



REVA
UNIVERSITY

Bengaluru, India



List of Courses having focus on Employability/ Entrepreneurship/ Skill Development

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Course Code	Name of the Course	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Link to the relevant document
2021-22				
M21SKS222	Cloud Based Analytics	2021-22	Employability : The students will learn the computer basics and networking communication to understand the bigdata	MoU SASI
M21SK0203	Advanced R And Python Programming	2021-22	Employability : The students will learn the programming language to support data analysis	MoU Indian Tech Keys
M20CA3010	Machine Learning Using Python	2021-22	Employability and Skill Development: Students learn the concepts and theories of Machine Learning, Formulate innovative ideas or techniques of machine learning for the real world problems, Apply Machine Learning algorithms for specific problems.	MoU Indian Tech Keys
M21SN0221	Machine Learning Using Python	2021-22	Employability and Skill development: Students will learn the basic concepts of python programming and explore the machine learning techniques required for data analysis	MoU Indian Tech Keys
M20CI0303	Python For Artificial Intelligence	2021-22	Employability, Skill Development: Students are trained to build real-world Artificial Intelligence applications with Python to intelligently interact with the world around you.	MoU Indian Tech Keys
B18EC7010	IoT and Cyber Physical System	2021-22	Employability: IoT Applications & its components in various real time applications	MoU Indian Tech keys
B19BS6023	Machine learning and AI on cloud	2021-22	Entrepreneurship Skill Development, Employability: Students learn to deploy live chatbot using Google cloud solutions, Perform image, video, text, speech labs using Amazon cloud ML solutions, Perform Azure ML studio labs and forecasting technique using Azure ML and AI solutions.	MoU Indian Tech keys
M21SOS211	Microbiology For Sustainable Environment	2021-22	Skill development : The course provides the skills to understand the mechanisms involved in the mutation of organism and also disease causing.	MoU PWS HR consultancy
M21SK0106	R And Python Programming	2021-22	Skill development : The students will learn the programming language to support data analysis	MoU Indian Tech Keys
M21SPM201	Lab View Introduction And Interfacing	2021-22	Skill Development and Employability: Students acquire the knowledge of various steps in Lab View introduction and interfacing, basic concepts in Lab View interfacing and also learn to write programs in Lab View introduction and interfacing.	MoU Indian Tech keys
M21SPM101	C And Python Program	2021-22	Skill Development and Employability: Students understand various steps and basic concepts in C and Python Program development and also learn to write programs in C and Python programs to solve problems.	MoU Indian Tech Keys
M21DG0203	Big Data With Nosql	2021-22	Skill Development, Employability, Entrepreneurship: Students learn the latest trends in databases, Learn various NoSql systems and their features, Compare NoSql databases with each other and relational systems, acquire knowledge in parallel, distributed databases and its applications.	MoU SASI
M21DG0201	Machine Learning Using Python	2021-22	Skill Development, Employability, Entrepreneurship: Students learn the basic components of Machine Learning with concepts of Python, Differentiate broad categories of Machine learning, Compare different types of algorithms used in Machine Learning domain with limitations, Examine the limitations of various machine learning algorithms and the way to evaluate performance of machine learning algorithms.	MoU Indian Tech Keys
M21DGS212	Image And Video Analytics	2021-22	Skill Development, Employability, Entrepreneurship: Students learn the fundamentals of digital image processing, image and video analysis, Understand different filtering techniques in image and video, Learn different Compression techniques in image and video analysis, Introduce the students to advanced object detection and recognition.	MoU SASI
M21DG0102	Programming With Python	2021-22	Skill Development, Employability, Entrepreneurship: Students learn to, demonstrate the usage of built-in objects in Python, Use a range of Python features for numerical analysis, Introduce numerical programming, data handling through NumPy and Pandas modules, Understand the data visualization using Matplotlib modules.	MoU Indian Tech Keys
M21DG0107	Python Lab	2021-22	Skill Development, Employability, Entrepreneurship: Students learn to, demonstrate the usage of built-in objects in Python, Use a range of Python features for numerical analysis, Introduce numerical programming, data handling through NumPy and Pandas modules, Understand the data visualization using Matplotlib modules.	MoU Indian Tech Keys
B19BS5062	Basics Of Data Analytics	2021-22	Skill Development, Employability: Students learn the principles and methods of statistical analysis, but will also put them into practice using a range of real-world data sets, provide a basic understanding of data analysis using statistics and to use computational tools on problems of applied nature.	MoU SASI
B20BS3080	Python Foundation Lab	2021-22	Skill Development, Employability: Students learn the implementation of python language, various features in python and the use of syntactical structures of python language. This enhances their employability skills in Data Analytics and Machine Learning.	MoU Indian Tech Keys
M20MS3021	Intelligent Systems	2021-22	Skill Development, Employability: Students learn the basic components of Machine Learning with concepts of Python, Differentiate broad categories of Machine learning, Compare different types of algorithms used in Machine Learning domain with limitations, Examine the limitations of various machine learning algorithms and the way to evaluate performance of machine learning algorithms.	MoU Indian Tech Keys
B19BS5030	Machine Learning Foundation With Python	2021-22	Skill Development, Employability: Students learn the basic concepts and techniques of Machine Learning, develop skills of using recent machine learning software for solving practical problems.	MoU Indian Tech Keys
B21CP0201	Programming In Python	2021-22	Skill development: Students will learn the concepts of python programming and able to develop python programs for simple problems	MoU Indian Tech Keys
B21CP0202	Programming In Python - Lab	2021-22	Skill development: Students will learn the concepts of python programming and able to develop python programs for simple problems	MoU Indian Tech Keys
B21ST0101	Basic Statistics And Introduction To Python Programming	2021-22	Skill development: Students will learn the concepts on statistical data and explore the statistical tools and techniques required for analysis	MoU Indian Tech Keys
B21ST0102	Basic Statistics And Introduction To Python Programming Lab	2021-22	Skill development: Students will learn the concepts on statistical data and explore the statistical tools and techniques required for analysis	MoU Indian Tech Keys
B21AHH101	Language – li: Hindi-I	2021-22	Skill Development: Students learn communication skills in Hindi, Translation skills, Social responsibility, moral values and the role of literature in life.	
B21AHH201	Language – li: Hindi-li	2021-22	Skill Development: Students learn communication skills in Hindi, Translation skills, Social responsibility, moral values and the role of literature in life.	
B21AHH101	Language – li: Kannada-I	2021-22	Skill Development: Students learn communication skills in Kannada, Translation skills, Social responsibility, moral values and the role of literature in life.	
B21AHH201	Language – li: Kannada-li	2021-22	Skill Development: Students learn communication skills in Kannada, Translation skills, Social responsibility, moral values and the role of literature in life.	
B21CP5311	Data Communication And Networks	2021-22	Skill development: students will Learning about computer network & network security	
B21HB0101	Human Anatomy- I	2021-22	An education in anatomy and physiology offers an array of careers in many different fields. While most people who hold degrees in anatomy and physiology go on to work in medicine, they receive a broad knowledge base that opens them up to opportunities like massage therapy, physical therapy and teaching.	
B21HB0106	Anatomy Laboratory	2021-22	An education in anatomy and physiology offers an array of careers in many different fields. While most people who hold degrees in anatomy and physiology go on to work in medicine, they receive a broad knowledge base that opens them up to opportunities like massage therapy, physical therapy and teaching.	
B21HB0407	Ct And Usg Imaging	2021-22	Biostatistics is the application of statistical techniques to scientific research in health-related fields, including medicine, biology, and public health, and the development of new tools to study these areas.	

B21AD0102	Introduction To Communication	2021-22	Content with direct bearing on Employability - The course introduces the students to the models and theories of communication which lays the foundation in designing communication strategies at work	
B21AD0201	Mass Communication Theories	2021-22	Content with direct bearing on Employability - The fundamental theories taught in this course enables the student to understand the history and formation of the Communication domain. The course also <u>helps the students in understanding the impacts of electronic media.</u>	
B21ADS111	Communication In Peace And Conflict Management	2021-22	Content with direct bearing on Employability Skills - The course is designed to make the students understand the role of journalists in peace and conflict processes. It prepares them to understand the <u>various tangents of conflict.</u>	
B21ADS112	Contemporary Politics & Challenges OF Globalization	2021-22	Employability Skills - The course exposes the student to the concept of Globalization and its challenges <u>in the news industry.</u>	
B20EK0402	Microprocessors And Interfacing	2021-22	Demonstration of specific microprocessor application through simulator. SD: exploration by Comparison: "Reduced Instruction Set Computer and Complex Instruction Set Computers": Each student to explore knowledge on the two different computer design through comparison and submit it as <u>assignment. (Skill Development)</u>	
B20EK0401	Device Driver Programming	2021-22	Device Driver in computing refers to a special kind of software program or a specific type of software application that controls a specific hardware device that enables different hardware devices to communicate with the computer's Operating System. A device driver communicates with the computer hardware by computer subsystem or computer bus connected to the hardware. (Employability)	
B21E00603	Automation System Design In Manufacturing	2021-22	Employability & Skill Development: a course on automation system design in manufacturing is designed with the primary focus on the design and development of automated systems in the manufacturing. Initially the course introduces various automated systems being used in the manufacturing industry. Analysis of automated flow lines: System aspects of designing and running the line; Average production time and production rate; Line efficiency; Analysis of transfer lines without storage – upper bound and lower bound approach; Partial automation.	
B21E00602	Computer Vision And Image Processing	2021-22	Employability & Skill Development: This course involves several practical sessions that can be achieved through some IDE (Integrated Development Environments) designed for that purpose. This course does not require any prior Machine Learning or Computer Vision experience. However, some knowledge in programming and especially Python programming language and high school math is necessary.	
B21E00404	Process Control Automation	2021-22	Employability & Skill Development: A process automation or automation system (PAS) automatically controls a process such as chemical, oil refineries, paper and pulp factories. The PAS often uses a network to interconnect sensors, controllers, operator terminals and actuators. A PAS is often based on open standards in contrast to a DCS (distributed control system), which is traditionally proprietary. However, in recent times the PAS is considered to be more associated with SCADA systems. Process automation involves using sensors, actuators, computer technology and software engineering to help power plants and factories in industries as diverse as paper, mining and cement operate more <u>efficiently and safely.</u>	
B20BC4412	Forex Management	2021-22	Employability & Skill Development: Students gain the knowledge of the working of international financial markets, mechanism of Forex market, measurement of foreign exchange risk and exposure. They develop the skills of forecasting foreign exchange rate and managing the risk exposure using appropriate hedging techniques to minimize the risk exposure in a foreign exchange transaction.	
B21E00601	Ros And Robot Programming	2021-22	Employability & Skill Development: The Robot Operating System (ROS) is a set of software libraries and tools that help you build robot applications. ROS has what you need for your next robotics project from drivers to state-of-the-art algorithms, and with powerful developer tools. ROS (Robot Operating System) is an open-source software development kit for robotics applications. ROS offers a standard software platform to developers across industries that will carry them from research and prototyping through to <u>deployment and production.</u>	
B21E00503	Hydraulics And Pneumatics	2021-22	Employability & Skill Development: This course gives an idea about the basic system working and applications of fluid power system. Fluid power has the highest power density of all conventional power-transmission technologies. Learn the benefits and limitations of fluid power, how to analyze fluid power components and circuits, and how to design and simulate fluid power circuits for applications. Students will learn the benefits and limitations of fluid power compared with other power transmission technologies; the operation, use, and symbols of common hydraulic components; how to formulate, analyze and maintain models of hydraulic components and circuits; and how to design and predict the performance of fluid power circuits.	
B21E00502	Ai And Ml For Robotics	2021-22	Employability & Skill Development: This course will introduce selected topics in Artificial Intelligence (AI) and Machine Learning (ML) with a focus on Robotics. The LAB component will allow the students to apply these AI & ML techniques to the problems relevant to robotics such as Path Planning, Localization and Mapping, and Motion Planning.	
M21SK5212	Advanced Web Based Technology	2021-22	Employability : The students will learn the computer basics and networking communication to <u>understand the bigdata</u>	
M21SK5322	Ai Based Tool Development	2021-22	Employability : The students will learn the computer basics and networking communication to <u>understand the bigdata</u>	
B21BT0502	Immunology Lab	2021-22	Employability : Acquire the knowledge and hands on experience of synthesis, mechanism, properties, separation and recrystallization of inorganic compounds and characterization of inorganic compounds <u>using different spectroscopic techniques.</u>	
M21SK0303	Computational Drug Discovery	2021-22	Employability : Students will learn how to develop a drug for the diseases and targets identification <u>using computational approach</u>	
M21SK0104	Fundamentals Of Biostatistics	2021-22	Employability : The students will learn the programming language to support data analysis	
M21SK5121	Fundamental Of Computer & Networking	2021-22	Employability : The students will learn the computer basics and networking communication to <u>understand the bigdata</u>	
B18ARX040	Sdl	2021-22	employability and entrepreneurship	
B19IP5010	Political Science -V (Public Administration And Core Concepts)	2021-22	Employability and Skill : Students will learn about various aspects administrative process like principles and theories of organization. They will learn about recruitment, promotion, and retirement process which is part of personnel administration. This will prepare them for civil service examination.	
B19JP6022	Political Science -Viii(B) (Personnel And Public Administration)	2021-22	Employability and Skill : Students will learn about various aspects administrative process like principles and theories of organization. They will learn about recruitment, promotion, and retirement process which is part of personnel administration. This will prepare them for civil service examination.	
M21S003207	Soil Microbiology Lab	2021-22	Employability and Skill development : The studnets will learn about the isolation and utilisation of soil microbes for the benefit of human beings and to increase the crop productivity	
B19JP5062	Economics –Vi (B) (Entrepreneurial Development- I)	2021-22	Employability and Skill Development and Entrepreneurship: Students learn the various levels of research in Economics fields and in their work place. They develop to analyze the research process and can give relevant policy suggestions.	
B21DD0102	Graphic Design Fundamentals	2021-22	Employability and Skill Development: Students learn to show exporting, creating, and printing Web graphics, discuss the fundamentals of canvas and brushes of a standard image editing software, List the <u>various tools and techniques of painting styles.</u>	
B21DD0206	Uj/Ux-li Lab	2021-22	Employability and Skill Development: Stdents learn site flow and user flow, demonstrate an understanding of information architecture, discuss the do's and don'ts of prototyping in detail.	

B21DD0101	Art & 2D Animation-I	2021-22	Employability and Skill Development: Students learn Human body Proportions and create basic Pose, the line of action, twisting and balance, discuss techniques and rules of storyboarding, model sheet and character development in films, Discuss the transition from traditional animation processes to computer animation processes.
B20BC4311	Banking Theory And Practices	2021-22	Employability and Skill Development: Gains knowledge on services offered by various categories of banks, and it also discuss about the bank marketing and study on banking relationships
B20BC3070	Open Elective –Principles Of Insurance	2021-22	Employability and Skill Development: Here student can become an Insurance Agent and can acquaint with various types of life and general insurance concepts.
B21DD0204	Seo & Analytics	2021-22	Employability and Skill Development: Stdens learn the importance of SEO, show how to set an account in Google analytics, discuss the factors that impact SEO and how to use Google Analytics to find and fix issues .
B21DD0201	Art & 2D Animation-ii	2021-22	Employability and Skill Development: Students acquire the skill to draw anatomy defined by the function of a pose, Understand concepts like scripting, storyboarding, character and production design, illuminate the pre-production process, Apply concepts of classic and modern literature for animation in different techniques, Identify the production process applied to different animation techniques like 2D animation, 3D computer animation and stop motion.
B20BJ4030	American Literature	2021-22	Employability and Skill Development: Students can enhance their art of creative non-fiction and can explore the structure and cultural function of language by composing persuasive prose and develop advanced critical thought. They can perform as facilitator, web content provider, information officer, Technical writer, Research Analyst and the role of teacher
B21DD0203	Ui/Ux-ii	2021-22	Employability and Skill Development: Students explain the User interaction and navigation methods, list and discuss different methods of usability testing, Explain mockups- Paper prototyping, wireframes.
B21DC0104	Programming Fundamentals Using C	2021-22	Employability and Skill Development: Students learn analytical and programming skills essential to workplace success and occupational situations and also develop skills essentials to logical thinking.
B21DC0105	C Lab	2021-22	Employability and Skill Development: Students learn analytical and programming skills essential to workplace success and occupational situations and also develop skills essentials to logical thinking.
B21DC0101	Mathematical Foundations For Computer Science	2021-22	Employability and Skill Development: Students learn analytical and reasoning skills essential to workplace success and occupational situations and also develop skills essentials to critical analysis.
B21AHA201	Language – ii: Additional English-ii	2021-22	Employability and Skill Development: Students learn explore the process of media packages and programme production for radio and television in their work place. They develop to anchoring and presentation skills.
B21DD0205	Web Designing Lab	2021-22	Employability and Skill Development: Students learn the functions of CSS3, Understand the uses of AngularJS.
B21DD0202	Web Designing	2021-22	Employability and Skill Development: Students learn the page structure used by HTML, Understand elements of design with regard to the web and discuss the importance of responsive website design, To Describe what is Angular JS.
M20JM3020	Public Relation & Corporate Communication	2021-22	Employability and Skill Development: Students learn the steps of organizing public relations campaign and understand corporate social responsibility of various organisations. They develop to analyze the marketing strategy of companies and implementing new methodologies for the marketization.
B20BJ4040	Psychology - Iv (Child Development)	2021-22	Employability and Skill Development: Students learn the various aspects of developmental Psychology from birth till death, usage of the developmental psychological concepts in their daily lives. The concepts they learn are basic psychological concepts which they can also apply at work place. They also can understand themselves in each stage of developmet
B19JP5070	Employability Skills – Iii	2021-22	Employability and Skill Development: Students learn the various aspects of the process of the recruitment in various companies. They develop the organizational skills through proper training.
B19JP6062	Economics-Viii(B) Application Of Economics To Managerial Issues	2021-22	Employability and Skill Development: Students learn the various levels of research in Economics fields and in their work place. They can solve managerial issues .
B19JP5050	Economics – V (Indian Economy -I)	2021-22	Employability and Skill Development: Students learn the various levels of research in Economics fields and in their work place. They develop to analyze the research process and can give relevant policy suggestions.
B19JP5061	Economics – Vi (A) (Mathematical Method For Economics)	2021-22	Employability and Skill Development: Students learn the various levels of research in Economics fields and in their work place. They develop to analyze the research process and can give relevant policy suggestions.
B19JP6050	Economics – Vii(Indian Economy -ii)	2021-22	Employability and Skill Development: Students learn the various levels of research in Economics fields and in their work place. They develop to analyze the research process and can give relevant policy suggestions.
B19JP6061	Economics Viii (A) Financial Economics	2021-22	Employability and Skill Development: Students learn the various levels of research in Economics fields and in their work place. They will develop the ability to analyse financial market.
B20JP4060	Economics - Iv (International Economics)	2021-22	Employability and Skill Development: Students learn the various levels of research in International Economics. They develop to analyze the process research from the topic selection to completion of the research
B19JP5030	Journalism-V (Media Laws & Ethics)	2021-22	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B19JP5041	Journalism Vi (A) (Advertising & Corporate Communication)	2021-22	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B19JP6030	Journalism -Vii (Media Management)	2021-22	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B19JP6041	Journalism -Viii (A) (New Media)	2021-22	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B19JP6042	Journalism - Viii (B) (Development Communication)	2021-22	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research

B20IP3050	Journalism - Iii (Audio-Visual Production)	2021-22	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B20JP3050(P)	Journalism - Iii (Audio-Visual Production) Practical	2021-22	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B20JP4050	Journalism – Iv (Fundamentals Of Media Research)	2021-22	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B20JP4050(P)	Journalism – Iv (Fundamentals Of Media Research) Practical	2021-22	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B21JN0102	Journalism Practical – I	2021-22	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B20IP3060	Economics - Iii (Economic Growth And Development)	2021-22	Employability and Skill Development: Students learn the various levels of research in the field of growth and development . They can develop the skills for giving suggestions for the growth and development of the country.
M21AG0105	Visual Communication	2021-22	Employability and Skill Development: Students learn the various levels of Television and film production techquines and use them in their work place. They develop to analyze the process of scripting, anchoring and editing aspects.
B19JP5042	Journalism -Vi (B) (Fundamentals Of Photography)	2021-22	Employability and Skill Development: Students learn the various technical and aesthetics aspects of photography and lighting and use them in their work place.
B20JP3040	Political Science - Iii (Indian Constitutions And Institutional Framework)	2021-22	Employability and Skill Development: Students learn to report the political beat reporting and procees and its application in their work place. Students acquire to assess the fairness and neutrality in the most important beat in the media.
B21AB0101	Political Science – I (Core Concepts Of Political Science)	2021-22	Employability and Skill Development: Students learn to report the political beat reporting and procees and its application in their work place. Students acquire to assess the fairness and neutrality in the most important beat in the media.
B21AB0201	Political Science – Ii (Understanding Political Theory)	2021-22	Employability and Skill Development: Students learn to report the political beat reporting and procees and its application in their work place. Students acquire to assess the fairness and neutrality in the most important beat in the media.
B21CC0103	Statistics For Business – I	2021-22	Employability and Skill Development: Students will be provided with the knowledge of statistical methods and their commercial application for effective decision making in business
B20BC3060	Business Statistics - Ii	2021-22	Employability and Skill Development: Students will be provided with the knowledge of statistical methods and their commercial application for effective decision making in business.They will learn to analyse and interpret the correlation between two variables and to understand the concept of regression in estimation of value of one variable from known set of data.
B21AB0103	Economics – I (Principles Of Micro Economics)	2021-22	Employability and Skill Development: Students will learn to utilise the available resources in the best possible way for the welfare purpose.
M21SO03214	Medical Biochemistry	2021-22	Employability and Skill development: The students will be able to explore and practice the clinical and medical aspects associated to human health
M21SO03217	Medical Biochemistry Lab	2021-22	Employability and Skill development: The students will be able to explore and practice the clinical and medical aspects associated to human health
M21SO03213	Clinical Microbiology	2021-22	Employability and Skill development: The students will be able to explore the clinical aspects related to human health
M21SO03216	Clinical Microbiology Lab	2021-22	Employability and Skill development: The students will be able to explore the clinical aspects related to human health
B20BC4020	Advanced Corporate Accounting	2021-22	Employability and Skill Development:enhances the students skills in analysising the various aspects of corpoate accounting and guides in the practical appicability of various methods in dealing with corporate accounting.
B19JP5021	Political Science -Vi (A) (International Relations)	2021-22	Employability and Skill: Students will learn various aspects of foreign policy of India as well as of other countries. They will learn about the importance of International Institutions. They will develop various strategic and practical skills which will help them in appearing various competitive examinations.
B19IP6021	Political Science -Viii (A) (International Institution And Foreign Policies)	2021-22	Employability and Skill: Students will learn various aspects of foreign policy of India as well as of other countries. They will learn about the importance of International Institutions. They will develop various strategic and practical skills which will help them in appearing various competitive examinations.
B21AD0204	Journalism Practical – Ii	2021-22	Employability Skills - The course is designed to produce multimedia content with the available resources.
B21AD0104	Computer Fundamentals	2021-22	Employability Skills - The course prepares the student to get acquainted with the technology and also use it as a reliable tool at work to carry out everyday businesses.
B21AD0203	Introduction To Av Media	2021-22	Employability Skills - The course trains the student to get acquainted with the audio visual softwares. It also prepares them exclusively for the electronic media.
B21AD0103	Reporting And Editing	2021-22	Employability Skills - The course trains the student to identify legitimate news sources, write journalistic stories and edit the copies according to the industry standards
B21AD0105	Journalism Practical – I	2021-22	Employability Skills - The course trains the student to identify legitimate news sources, write journalistic stories and edit the copies according to the industry standards
M19CS3011	Virtual And Augmented Reality	2021-22	Employability, Entrepreneurship: Students are trained on Virtual Reality technology that provides almost real and/or believable experiences in a synthetic or virtual way, also on Augmented Reality that enhances the real world by superimposing computer-generated information on top of it.
B20BC4050	Stock & Commodity Markets	2021-22	Employability, Entrepreneurship and Skill Development: Students will be acquainted with the basic concepts of the stock market and the process of registration and they can also trade in the stock markets.
B20CH4212	Finacial Derivatives	2021-22	Employability, Skill development : Students will Understand effect of financial leverage on firm value with corporate and personal taxes – trade of theory – effect of financial distresses.
B19CH5611	Technical Analysis	2021-22	Employability, Skill development : Students Understand the different types of the financial derivatives and factors contributing for the growth of the derivatives in India
B19CH5612	Derivative Market Operations	2021-22	Employability, Skill development : Students Understand the different types of the financial derivatives and factors contributing for the growth of the derivatives in India
M20MC4550	International Supply Chain Management And Management	2021-22	Employability, Skill development : Students will Understand effect of financial leverage on firm value with corporate and personal taxes – trade of theory – effect of financial distresses.
B21CC0104	Company Law & Secretarial Practice	2021-22	Employability, Skill Development: The course provides students an insight into various tools models for solving marketing problems related to industrial marketing and students also learn the skills of B2B marketing

M21SOS212	Microbial Food Processing	2021-22	Employability/ Skill development: The course provides the skills and employment in various food industries
M21SOZ304	Food Microbiology Lab	2021-22	Employability/ Skill development: The course provides the skills and employment in various research and industry related to food processing and food Packaging
M21SOZ302	Bioprocess Technology	2021-22	Employability/ Skill development: The course provides the skills and employment in various research and industry related to food processing and others required for Quality maintenance.
M21SOZ303	Food Chemistry And Processing	2021-22	Employability/ Skill development: The course provides the skills and employment in various research and industry related to food processing and others required for Quality maintenance.
M21SOZ305	Bioprocess Technology Lab	2021-22	Employability/ Skill development: The course provides the skills and employment in various research and industry related to food processing and others required for Quality maintenance.
M21SOZ306	Food Chemistry And Processing Lab	2021-22	Employability/ Skill development: The course provides the skills and employment in various research and industry related to food processing and others required for Quality maintenance.
M21SOS122	Microbial Metabolites	2021-22	Employability/ Skill development: The course provides the skills and employment in various research labs to explore the potentials of the lead molecules
M21SOS121	Cell Culture Technology	2021-22	Employability/ Skill development: The course provides the skills and employment in various research labs to explore the potentials of the lead molecules.
B21MI0602	Agricultural Microbiology Lab	2021-22	Employability/ Skill development: This course is helpful to gain experience in novel approaches to study the plant-microbes interactions, which helps mass multiplication the endangered species and prevention of extension of the plant.
B21BT0602	Plant Biotechnology Lab	2021-22	Employability/ Skill development: This course is helpful to gain experience in novel technologies in plant biotechnology, which helps mass multiplication the endangered species and prevention of extension of the plant.
B21BT0401	Molecular Biology & Genetic Engineering	2021-22	Employability/ Skill development: This course is helpful to gain understanding and development of novel technologies in molecular biology and genetic engineering, which provides clear idea about the transgenic animals and plastics.
B21CH0302	Eukaryotic Microbiology Lab	2021-22	Employability/ Skill development: This course is helpful to understand the benefits of eukarotic microorganism for extraction of antibiotics and at the same time the potential applications of microbes in various fields.
B21BC0102	General Biochemistry – I Lab	2021-22	Employability/ Skill development: This course is helpful to understand the benefits of Microorganism and biochemical process for increasing the properties of microbes towards producing proteins, enzymes and valuable substances
B21BC0202	Laboratory Course - ii	2021-22	Employability/ Skill development: This course is helpful to understand the benefits of Microorganism and biochemical process for increasing the properties of microbes towards producing proteins, enzymes and valuable substances
B21BC0302	Laboratory Course – iii (Biochemistry)	2021-22	Employability/ Skill development: This course is helpful to understand the benefits of Microorganism and biochemical process for increasing the properties of microbes towards producing proteins, enzymes and valuable substances
B21BC0402	Laboratory Course - iv (Biochemistry)	2021-22	Employability/ Skill development: This course is helpful to understand the benefits of Microorganism and biochemical process for increasing the properties of microbes towards producing proteins, enzymes and valuable substances
B21BC0402	Laboratory Course – Vi	2021-22	Employability/ Skill development: This course is helpful to understand the benefits of Microorganism and biochemical process for increasing the properties of microbes towards producing proteins, enzymes and valuable substances
B21BC0502	Laboratory Course – V (Biochemistry)	2021-22	Employability/ Skill development: This course is helpful to understand the benefits of Microorganism and biochemical process for increasing the properties of microbes towards producing proteins, enzymes and valuable substances
B21BCS312	Harmonial Biochemistry	2021-22	Employability/ Skill development: This course is helpful to understand the benefits of Microorganism and biochemical process for increasing the properties of microbes towards producing proteins, enzymes and valuable substances.
B21BT0202	General Microbiology Lab	2021-22	Employability/ Skill development: This course is helpful to understand the benefits of Microorganism for extraction of antibiotics and at the same time the potential applications of microbes in various fields.
B21BT0201	General Microbiology	2021-22	Employability/ Skill development: This course is helpful to understand the benefits of Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the potential applications of microbes in various fields.
B21CH0401	Chemistry-iv	2021-22	Employability/ Skill development: This course is helpful to understand various interactions in liquid mixtures and their effect on mixture properties, effect of temperature and fundamental concepts of chemical bonding. Ionic bonding. Covalent Bonding etc.
B21CH0501	Chemistry-V	2021-22	Employability/ Skill development: This course is helpful to understand various interactions in liquid mixtures and their effect on mixture properties, effect of temperature and fundamental concepts of chemical bonding. Ionic bonding. Covalent Bonding etc.
B21CH0601	Chemistry-Vi	2021-22	Employability/ Skill development: This course is helpful to understand various interactions in liquid mixtures and their effect on mixture properties, effect of temperature and fundamental concepts of chemical bonding. Ionic bonding. Covalent Bonding etc.
M21SKS211	Web Server & Database Development	2021-22	Employability: The students will learn the computer basics and networking communication to understand the bigdata
M21SKS311	Clinical & Pharmacogenomics	2021-22	Employability: Demand in Health care domain where there is in sample conditions and less subject experts in the field of genomics. There is demand for both entrepreneurship and employability
M19TCS4031	Robotic Process Automation Design & Development	2021-22	Employability: Students are familiarized with Blockchain technology that creates a viable, decentralised record of transactions – the distributed ledger – which allows the substitution of a single master database. It keeps an immutable record of all transactions, back to the originating point of a transaction.
M21AJS221	Community Psychology And Mental Health	2021-22	Employability: Students get an hands on experience to develop and execute community based projects, inturn enhances well-being.
M21SK0102	Introduction To R Programming	2021-22	Employability: The students will learn the programming language to support data analysis.
B20CH3070	Open Elective - Leadership & Team Development	2021-22	Employability: This course is designed to familiarize the overview of insurance company operations and regulation of the insurance industry.
B20CH3060	Indian Banking System	2021-22	Employability-Students get to know about the functioning of banks and the financial system of the country as well as the financial intermediaries, instruments and agencies that facilitate financing business.
B20CH4411	International Human Resource Management	2021-22	Employability - This course helps students to be more familiar with the advance HR functions. This course is designed to create symbiotic relationship between strategy and HR function of organization to accelerate performance improvements.
M21AJ0107	Practical – li (Computer Fundamental And Spss)	2021-22	Employability Skills: Students get opportunity to work in research consultancies
M21SK0201	Advanced Genomic Data Science	2021-22	Entrepreneurship: Demand in Health care and agriculture domain where there is in sample conditions and less subject experts in the field of genomics. There is demand for both entrepreneurship and employability
B18BS8012	Multimedia Systems	2021-22	Entrepreneurship Skill Development, Employability: Students learn the multimedia communications systems, application and basic principles, Analysis of the multimedia streaming, Performing and establishing multimedia communication terminals, Presentation of multimedia communications.

B21DD0104	Ui/Ux-I	2021-22	Entrepreneurship Skill Development, Employability: Students learn site flow and user flow, demonstrate an understanding of information architecture, discuss the do's and don'ts of prototyping in detail.
M21DG0101	Principles Of Data Science	2021-22	Entrepreneurship Skill Development, Employability: Students learn the core concepts in Data Science, provide strong foundation in application area related to Data science, provide a domain knowledge on the emerging technologies in data science, Understand the various techniques used in Data Science.
B21DD0105	Graphic Design Fundamentals Lab	2021-22	Entrepreneurship Skill Development, Employability: Students learn to illustrate graphic skills by learning paint tools and different effects available in a standard digital illustration software, Learn how to make, manipulate and arrange images to create compositions, discuss the fundamentals of canvas and brushes of a standard digital painting software.
B21AD0202	Online Journalism	2021-22	Entrepreneurship Skills - The course is designed to produce multimedia, independent journalists who can utilize the technological resources around them and start their own online news platforms.
B18CS7041	Augmented And Virtual Reality	2021-22	Entrepreneurship, Employability: Students are trained on Virtual Reality technology that provides almost real and/or believable experiences in a synthetic or virtual way, also on Augmented Reality that enhances the real world by superimposing computer-generated information on top of it.
M21SKS312	Nutrigenomics & Agri Genomics	2021-22	Entrepreneurship: Demand in Health and agriculture domain where there is in sample conditions and less subject experts in the field of genomics. There is demand for both entrepreneurship and employability.
M21SK0302	Integrated Omics	2021-22	Entrepreneurship: Demand in Health care and agriculture domain where there is in sample conditions and less subject experts in the field of genomics. There is demand for both entrepreneurship and employability.
M21SK0101	Introduction To Genomic Data Science	2021-22	Entrepreneurship: Demand in Health care and agriculture domain where there is in sample conditions and less subject experts in the field of genomics. There is demand for both entrepreneurship and employability.
M21SK0301	Artificial Intelligence & Deep Learning Techniques	2021-22	Entrepreneurship: Demand in Health care and agriculture domain where there is in sample conditions and less subject experts in the field of genomics. There is demand for both entrepreneurship and employability.
M21SKS321	Metagenomics	2021-22	Entrepreneurship: Demand in Health care and agriculture domain where there is in sample conditions and less subject experts in the field of genomics. There is demand for both entrepreneurship and employability.
M21SOS112	Entrepreneurship In Life Sciences	2021-22	Entrepreneurship: The courses focuses on the nurturing and implementation of innovative ideas for benefit of humans as an entrepreneur.
B20EK5S05	Storage Area Networks	2021-22	Skill development: Evolution of Storage Architecture Data Center Infrastructure Virtualization and Cloud Computing Components of an Intelligent Storage System, Storage Provisioning, Types of Intelligent Storage Systems(Employability)
B21HB0503	Patient Care	2021-22	Skill development: gain knowledge about handling of patient during CT, USG and MRI
B21HB0506	Mri Instrumentation	2021-22	Skill development: Gain knowledge about principle and instrumentation handling
B21HB0504	Medical Sociology, Law & Ethics	2021-22	Skill development; Gain the knowledge about ethics in handling instruments and patients
M21HDO202	Clinical Research	2021-22	Skill development: Get jobs in clinical labs, Hospitals and start their own diagnostic labs
B21HB0104	Health Care System	2021-22	Skill development: Health care system helps in the management of different types of diseases. It also has varieties of techniques and tools for the purpose of curing, analyzing, and detection. In addition, it helps the doctor to get detailed information about any structural changes in the disease. Early diagnosis helps to save lives and also enables doctors to diagnose and provide treatment for the disease.
B21AHE102	Communicative English	2021-22	Skill development: Helps in developing communication skills
B21HB0306	Ct And Usg Instrumentation And Physics	2021-22	Employability/ Entrepreneurship/ Skill development: Helps to gain knowledge about instrumentation and working principle
B21HC0106	Nutritional Biochemistry-I (Laboratory II)	2021-22	Employability/ Entrepreneurship/ Skill development: Helps to gain the knowledge of nutritional value of biochemical composition of food
B21HC0201	Human Nutrition & Family Meal Management	2021-22	Employability/ Entrepreneurship/ Skill development: Helps to gain the skill of meal planning in nutritional consultancy
B21HB0105	Human Nutrition	2021-22	Employability/ Entrepreneurship/ Skill development: Human Nutrition aims to provide the need of humans in different environment and across different stages of life cycles
B21HB0601	Advancements in Medical Imaging	2021-22	Skill development: Imaging training by CT, MRI
B21HB0505	Biostatistics And Research	2021-22	skill development: Interpretation of data
M21HDO109	Basics Of Microbiology And Nanoscience (Laboratory - Iv)	2021-22	Employability/ Entrepreneurship/ Skill development: knowledge can adapt in industries research labs, start their own labs
B21LHM201	Constitution Of India & Professional Ethics	2021-22	Employability: knowledge regarding the laws of constitution and amendments
B21HC0206	Human Nutrition & Family Meal Management (Laboratory V)	2021-22	Employability/ Entrepreneurship/ Skill development: Meal planning techniques helps for the role of nutritionist
B21HB0304	Physics & Instrumentation Of Usg	2021-22	Employability/ Entrepreneurship/ Skill development: Microbiology is the study of the biology of microscopic organisms - viruses, bacteria, algae, fungi, slime molds, and protozoa. The methods used to study and manipulate these minute and mostly unicellular organisms differ from those used in most other biological investigations.
B21HB0406	Radiation Protection And Safety In Radiology	2021-22	Employability/ Entrepreneurship/ Skill development: MRIs employ powerful magnets which produce a strong magnetic field that forces protons in the body to align with that field.
B21HB0501	Mri Physics And Instrumentation	2021-22	Employability/ Entrepreneurship/ Skill development: MRIs employ powerful magnets which produce a strong magnetic field that forces protons in the body to align with that field.
B21HB0405	Pharmacology	2021-22	Employability/ Entrepreneurship/ Skill development: MRIs employ powerful magnets which produce a strong magnetic field that forces protons in the body to align with that field. When a radiofrequency current is then pulsed through the patient, the protons are stimulated, and spin out of equilibrium, straining against the null of the magnetic field.
B21HB0305	Computer Basics & Basic Nursing Radiographic Positioning & Special Procedures	2021-22	Employability/ Entrepreneurship/ Skill development: Nuclear medicine is a specialized area of radiology that uses very small amounts of radioactive materials, or radiopharmaceuticals, to examine organ function and structure.
B21HB0402	Interventional Radiology & Nuclear Medicine	2021-22	Employability/ Entrepreneurship/ Skill development: Nuclear medicine procedures are used in diagnosing and treating certain illnesses. These procedures use radioactive materials called radionuclide.
B21HB0301	Physics & Instrumentation Of Ct	2021-22	Skill development: Open Electives refer to the subjects and topics that students can opt for in addition to their primary area of study. These offer students greater autonomy over their curriculum, giving them the opportunity to customise it to reflect their passions and interests.
B21HB0201	Human Anatomy- Ii	2021-22	Employability/ Entrepreneurship/ Skill development: Pathology is the study of disease. It is the bridge between science and medicine. It underpins every aspect of patient care, from diagnostic testing and treatment advice to using cutting-edge genetic technologies and preventing disease.
B21HB0502	Sequences And Clinical	2021-22	Employability/ Entrepreneurship/ Skill development: Patient care refers to the prevention, treatment, and management of illness and the preservation of physical and mental well-being through services offered by health professionals.
B21HB0403	Imaging Protocol In Usg And Ct	2021-22	Skill development: Pharmacology is a branch of medicine, biology, and pharmaceutical sciences concerned with drug or medication action, where a drug may be defined as any artificial, natural, or endogenous molecule which exerts a biochemical or physiological effect on the cell, tissue, organ, or organism.

B21HB0205	Radiation Physics & Instrumentation	2021-22	Employability/ Entrepreneurship/ Skill development; Plant phenotyping is the comprehensive assessment of complex plant traits such as growth, development, tolerance, resistance, architecture, physiology, ecology, yield, and the basic measurement of individual quantitative parameters that form the basis for more complex traits	
B21HB0206	Positioning	2021-22	Employability/ Entrepreneurship/ Skill development: Plant phenotyping is the comprehensive assessment of complex plant traits such as growth, development, tolerance, resistance, architecture, physiology, ecology, yield, and the basic measurement of individual quantitative parameters that form the basis for more complex traits	
B21HB0102	Human Physiology- I	2021-22	Radiation is energy that comes from a source and travels through space at the speed of light. This energy has an electric field and a magnetic field associated with it, and has wave-like properties. You could also call radiation "electromagnetic waves".	
B21HB0202	Human Physiology- II	2021-22	Employability/ Entrepreneurship/ Skill development: Radiation is energy that comes from a source and travels through space at the speed of light. This energy has an electric field and a magnetic field associated with it, and has wave-like properties. You could also call radiation "electromagnetic waves".	
B21HB0204	Pathology	2021-22	Employability/ Entrepreneurship/ Skill development: Radiographic positioning terminology is used routinely to describe the position of the patient for taking various radiographs. Standard nomenclature is employed with respect to the anatomic position.	
B21HB0302	Positioning & Techniques - II	2021-22	Employability/ Entrepreneurship/ Skill development: Radiologic Physics is the study of medical imaging components, technology, and parameters in an effort to produce optimal imaging results. The goal with studying radiologic physics is to ensure you get clear images while ensuring the patient is safe from radiation.	
B21HB0207	Clinical Postings -Radiographic Image Processing.	2021-22	Employability/ Entrepreneurship/ Skill development: Radiologic Physics is the study of medical imaging components, technology, and parameters in an effort to produce optimal imaging results. The goal with studying radiologic physics is to ensure you get clear images while ensuring the patient is safe from radiation.	
B21AR6070	Certification Course In Advanced Software	2021-22	Skill , entrepreneurship and employability ; teaches various digital skills	
B21AR8010	Practical Training	2021-22	Skill , entrepreneurship and employability : Trains students at site skills	
B21AR9010	Architectural Design -VII	2021-22	Skill , entrepreneurship and employability : students are trained to resolve major projects	
M21HD0107	Biochemical Techniques And Bio-Assays (Laboratory Cum Training- II)	2021-22	Skill development: Skill acquired from different techniques helps students to get jobs in different industries, research labs and clinical labs	
B21AR9051	Advanced Building Materials	2021-22	skill and employability : Teaches various simulation skills & digital software knowledge	
M21LM2120	Comparative Criminal Procedural Law	2021-22	Skill and employability: the course evaluates the different systems of Criminal Law. Understanding the diverse systems and models of criminal law. Design and Construct a parallel between the multiple systems of criminal law around the world.	
M21LM1140	Socio-Economic Offences And White-Collar Crimes	2021-22	Skill and employability: The course examines the multiple theories of deviance and socio-economic offences. Analyze the typical forms of deviance and their impact. Evaluate the Indian Legal Order designed to respond to such deviances.	
M21LM1130	International Criminal Justice System	2021-22	Skill and employability: the course is designed to evaluate the nature and forms of International Crime. Critique the various strategies for Prevention and Control of International Crimes. Appraisal about the contemporary challenges of International Criminal Justice System	
M21LM2130	Human Rights Law	2021-22	Skill and employability: the students are made aware the development of Human Rights around the world and India. Evaluate the International Instruments and Criminal Justice System. Analyzing the Rights of the Vulnerable Groups and relevant enforcement mechanism.	
M21LM1150	Criminology, Penology & Victimology	2021-22	Skill and employability: This course of Crime and Punishment would attempt to answer such queries of the human mind and afford explanations to criminal behavior and reactions to crime. It is an ongoing study with numerous researches and surveys been conducted all over the world to find the most suitable explanation of criminality and criminal behavior, nevertheless, there is no final answer, which will be examined	
B21AR9060	Certification Course On Entrepreneurship Development	2021-22	skill and entrepreneurship : teaches various digital skills	
B21CPS312	Multimedia Computing	2021-22	Skill development : students will learn Excellent visual communication skills to present ideas and information in a multimedia context combined with excellent IT and programming skills.	
B20JP4040	Political Science – IV (Western And Eastern Political Thought)	2021-22	Skill Development : Students will learn the theories and concepts given by eminent Western and Eastern Political Philosophers which will help them to understand ideologies and theories of Political science.	
M21SO0106	Bioanalytical Techniques Lab	2021-22	Skill development : The course provides the skills to extract the molecules which are necessary for the benefit of humans	
M21SO0103	Bioanalytical Techniques	2021-22	Skill development : The course provides the skills to extract the molecules which are necessary for the benefit of humans	
M21SO0101	Microbiological Methods	2021-22	Skill development : The course provides the skills to understand the mechanisms involved for isolation of organisms based on the colony characters and media	
M21SO0205	Microbial Diversity Lab	2021-22	Skill development : The course provides the skills to understand the mechanisms involved in identification of useful and harmful bacteria.	
M21SO0203	Bioinformatics And Biostatistics	2021-22	Skill development : The course provides the skills to understand the mechanisms involved in the mutation of organism and also disease causing through computational approach.	
M21SO0206	Bioinformatics & Biostatistics Lab	2021-22	Skill development : The course provides the skills to understand the mechanisms involved in the mutation of organism and also disease causing through computational approach.	
M21SO0105	Molecular Microbial Genetics Lab	2021-22	Skill development : The course provides the skills to understand the mechanisms involved in the mutation of organism and also disease causing.	
M21SO0201	Microbial Metabolism And Physiology	2021-22	Skill development : The course provides the skills to understand the mechanisms involved in the mutation of organism and also disease causing.	
M21SO0202	Microbial Diversity	2021-22	Skill development : The course provides the skills to understand the mechanisms involved in the mutation of organism and also disease causing.	
M21SO0204	Microbial Metabolism & Physiology Lab	2021-22	Skill development : The course provides the skills to understand the mechanisms involved in the mutation of organism and also disease causing.	
M21SO0102	Molecular Microbial Genetics	2021-22	Skill development : The course provides the skills to understand the mechanisms involved in the mutation of organism and also disease causing.	
M21SO03212	Biomass And Energy Systems Lab	2021-22	Skill development : The students will be able to develop the skills required for generation of green energy to save the world	
M21SOZ308	Plant Pathology	2021-22	Skill Development : the Students will learn about the identification and isolation of plant pathogens to improve the crop productivity	
M21SOZ311	Plant Pathology Lab	2021-22	Skill Development : the Students will learn about the identification and isolation of plant pathogens to improve the crop productivity	
M21SO03215	Pharmaceutical Microbiology	2021-22	Skill development : the Students will be able to learn and implement the new pharmaceutical molecules to cure various diseases.	
M21SO03218	Pharmaceutical Microbiology Lab	2021-22	Skill development : the Students will be able to learn and implement the new pharmaceutical molecules to cure various diseases.	
M21SL0102	Biostatistics And Research Methodology	2021-22	Skill development : this course will help to understand the role of biostatistics in biology as well as provide knowledge about the basics of research and experimental designs	
M21SK0306	Computational Drug Discovery Lab	2021-22	Skill development :The students will learn the drug discovery tools and techniques.	
M21SK0105	Fundamentals Of Genomic Data Science Lab	2021-22	Skill development :The students will learn the genomic data analysis tools and techniques and programs to develop algorithms.	

M21SK0205	Advanced Genome Data Science Lab	2021-22	Skill development :The students will learn the genomic data analysis tools and techniques and programs to develop algorithms.
M21SK0305	Artificial Intelligence & Omics Lab	2021-22	Skill development :The students will learn the genomic data analysis tools and techniques and programs to develop algorithms.
B21BT0402	Molecular Biology & Genetic Engineering Lab	2021-22	Skill development and employability : Acquire the knowledge and hands on experience of synthesis, mechanism, properties, separation and recrystallization of inorganic compounds and characterization of inorganic compounds using different spectroscopic techniques.
B21BT0302	Environmental Biotechnology Lab	2021-22	Skill development and employability : Acquire the knowledge and hands on experience on the microbiology and analytical techniques and provides awareness about the risk involved hazards and safety requirement in the laboratory.
B21GNS211	Analytical Techniques In Genetics	2021-22	Skill development and employability : Acquire the knowledge and hands on experience on the microbiology and analytical techniques and provides understanding about the principle, standard operation procedure of specific analytics techniques used in genetics studies.
B21GN0402	Developmental Genetics Lab	2021-22	Skill development and employability : Acquire the knowledge and understand the process of developmental phases of the cell cultures.
B21BT0102	Cell Biology Lab	2021-22	Skill development and employability : Acquire the knowledge and understand the process of developmental phases of the cell cultures.
B21MI0601	Agricultural Microbiology	2021-22	Skill development and employability : Acquire the knowledge of novel technologies in agricultural microbiology and to study the host-parasitic interaction or mutualistic interaction between the microbes and plant
B21BT0601	Plant Biotechnology	2021-22	Skill development and employability : Acquire the knowledge of research and hands on experience of instruments
B21MI0401	Environmental Microbiology	2021-22	Skill development and employability : This course is helpful to become familiar with scope environmental microbiology and advance in the field, It covers drivers' techniques and environmental model for remediating the environmental pollutions using microbes.
B22AS0207	Tree Plantation Vanamhotsava	2021-22	skill development hands-on training regarding plantation and growth
B21AR6020	Structural Systems And Building Construction-Vi	2021-22	Skill development- Students are trained in construction details and building material usage
B21PYS211	Interdisciplinary Elective 4- Skill Acquisition And Training	2021-22	Skill Development Students can articulate how humans tend to learn through perceptual processes and the importance of attention in acquiring skills and understand the dynamics of individual differences in skill acquisition and maintenance.
B21PSS212	Interdisciplinary Elective 5 –Global Perspectives Of Human Rights	2021-22	Skill Development Students can develop a better understanding of emerging trends in human rights issues at the international and national levels and focus on and identify the violation of human rights at the socio-economic, cultural, and political levels.
B21ENS213	Interdisciplinary Elective 6 – Popular Culture	2021-22	Skill Development Students can identify the sociocultural practices through the theories provided in the course and analyse the influence of Geopolitics on cultural practice
M21PAO305	Sanskrit (Oe)	2021-22	Skill Development- The course will help students to develop their skill in understanding ancient treatises
M21DG0204	Foundation Of Data Visualization	2021-22	Skill Development, Employability, Entrepreneurship: Students learn concepts and principles of data visualization particularly related to decision making, Investigate technologies and practices for visualizing data as part of a data management and analytics system, Apply user interface design principles and practices to develop interactive data visualizations, Design effective dashboard for decision making at various levels, Conduct research on relevant data visualization topics.
M21DG0205	Data Visualization Lab (Tools: Excel, Tableau)	2021-22	Skill Development, Employability, Entrepreneurship: Students learn concepts and principles of data visualization particularly related to decision making, Investigate technologies and practices for visualizing data as part of a data management and analytics system, Apply user interface design principles and practices to develop interactive data visualizations, Design effective dashboard for decision making at various levels, Conduct research on relevant data visualization topics.
M21DG0106	Data Mining With R Lab	2021-22	Skill Development, Employability, Entrepreneurship: Students learn data analysis techniques through Data Mining, Understand Data mining techniques and algorithms, Comprehend the data mining environments and application. Understand the process of Knowledge discovery
M21DG0202	Mathematical Foundations For Data Science-Ii	2021-22	Skill Development, Employability, Entrepreneurship: Students learn future courses having quantitative components, expose the students to the basics of probability, expose the students to the basics of random processes, recognize and compute the single and multi-sample tests for m descriptive and inferential statistics in many different fields.
M21DGS222	Natural Language Processing	2021-22	Skill Development, Employability, Entrepreneurship: Students learn the fundamental concepts and techniques of natural language processing, learn the basic concept of Regular expressions and semantics of English language for processing, Understand the concept of Parsing and Speech Phonetics. introduce NLP in real life example.
M21DGS221	Parallel And Distributed Systems	2021-22	Skill Development, Employability, Entrepreneurship: Students learn the knowledge of parallel and distributed computing techniques, Design, development, and performance analysis of parallel and distributed applications, Use the application of fundamental Computer Science methods and algorithms in the development of parallel applications, Explain the design, testing, and performance analysis of a software system, and to be able to communicate that design to others.
M21DG0104	Data Preparation And Information Retrieval	2021-22	Skill Development, Employability, Entrepreneurship: Students learn the need of storage and information retrieval, Discuss the indexing model to identify the similarity of query and document, Introduce the data warehouses for the information retrieval model, Provide comprehensive details of Data Mining Classification methods like Bayesian Classification, Rule based, and Neural Network etc. in IR.
M21DG0105	Mathematical Foundations For Data Science-I	2021-22	Skill Development, Employability, Entrepreneurship: Students learn to demonstrate basic concepts of vector spaces and interpret the concepts of linear transformations by using the matrices. Introduce Random variables and Probability distributions, develop methods of computing and using Eigen values and Eigen vectors, acquaint students with various statistical methods and cultivate statistical thinking among students, help students understand the basics of probability.
M20MS3031	Advanced Image Processing And Analysis	2021-22	Skill Development, Employability, Entrepreneurship: Students employ digital image fundamentals in spatial and frequency domain approaches, Demonstrate image degradation/ restoration model, Illustrate image segmentation and morphological operations.
B19CA5060	Open Elective - Fundamentals Of Computer Programming & Office Automation	2021-22	Skill Development, Employability: Students learn how to use software packages in day to day activities, Learn the essential and use of internet
B19BS5052	Cloud App Development	2021-22	Skill Development, Employability: Students gain knowledge of developing applications in the cloud
B19BS5061	Fundamentals Of Cloud Computing	2021-22	Skill Development, Employability: Students learn how to use Cloud services, implement Virtualization, implement Task Scheduling algorithms. Apply Map-Reduce concept to applications, build Private Cloud, Broadly educate to know the impact of engineering on legal and societal issues involved.
B19BS5043	Advanced Java For Micro-Services Architecture	2021-22	Skill Development, Employability: Students get familiarize with micro service and its build.
M20CA3031	Web Mining & Social Networking	2021-22	Skill Development, Employability: Students learn the methods of Web usage mining, learn various techniques to mine the Web and other information networks, social networks, and social media.,learn how to extract knowledge from web scale datasets by various techniques, gain knowledge from disciplines as diverse as sociology, mathematics, computer science, Understand the Online interactive demonstrations and hands-on analysis of real-world data sets.

B21DC0103	Operating System Using Linux	2021-22	Skill Development, Employability: Students learn the operation, implementation and performance of modern operating systems, and the relative merits and suitability of each for complex user applications, Compare, contrast, and evaluate the key trade-offs between multiple approaches to operating system design, and identify appropriate design choices when solving real-world problems, understand the design of the LINUX operating system., Execute various commands of the LINUX OS, learn the different types of filters used in LINUX	
M20CA3034	Ubiquitous And Pervasive Computing	2021-22	Skill Development, Employability: Students learn the ubiquitous computing, mobile computing, Study the ubiquitous computing in network based applications, study the pervasive computing and its applications, study the pervasive computing web based applications.	
B21DC0204	Data Communication And Networking	2021-22	Skill Development, Employability: Students learn to Propose efficient, cost effective, reliable and appropriate technology to establish communication links. Design an enterprise network employing the common LAN technologies and be able to evaluate the advantages and disadvantages. Configure a PC to work as a host in a TCP/IP network and to use the IP based command to facilitate the trouble shooting process. Describe the technical issues related to the Wide Area Networks and identify the common technologies available in establishing WAN infrastructure.	
B19BS5041	Pubic Cloud Networking & Security	2021-22	Skill Development, Employability: Students understand how networking and security is managed in Google cloud, Understand how networking and security is managed in AWS cloud.	
B19BS5053	Cloud Migration And Disaster Recovery	2021-22	Skill Development, Employability: Students understand the implementation and design Disaster recovery and business continuity in public clouds with on premise and within public cloud.	
B21DC0201	Information Systems And Data Base Management	2021-22	Skill Development, Employability: The course provides insight into data management skills which plays a vital role in employability. Students are familiarized with SQL, which enhances their querying abilities.	
B21DC0202	Information Security Management And Data Privacy	2021-22	Skill Development, Employability: The course provides insight into data privacy and Information security management skills which plays a vital role in employability.	
B18EC8014	Avionics	2021-22	Skill Development: Gain the knowledge of avionics environment, importance of Aircraft Instruments, Navigation Systems and Flight Control, Surveillance and Communications Systems	
B21BC0501	Metabolism – I	2021-22	Skill development: Acquire the knowledge and hands on experience of synthesis, mechanism, properties, separation and recrystallization of inorganic compounds and characterization of inorganic compounds using different spectroscopic techniques	
B21BC0601	Metabolism - li	2021-22	Skill development: Acquire the knowledge and hands on experience of synthesis, mechanism, properties, separation and recrystallization of inorganic compounds and characterization of inorganic compounds using different spectroscopic techniques	
B21MIS412	Immunity And Medical Microbiology	2021-22	Skill development: Acquire the knowledge and hands on experience of synthesis, mechanism, properties, separation and recrystallization of inorganic compounds and characterization of inorganic compounds using different spectroscopic techniques.	
B21CH0301	Eukaryotic Microbiology	2021-22	Skill development: Acquire the knowledge and understand about the information on the basis of eukaryotic microorganisms, biology of fungal kingdom, morphological and biological characteristics of algal kingdom as well as parasites and their disease related to protozoans.	
B21MI0502	Microbial Physiology Lab	2021-22	Skill development: Acquire the knowledge and understand about the various mechanisms that are involved various metabolic activity and metabolic pathways.	
B21CH0402	Chemistry-iv Lab	2021-22	Skill development: Acquire the knowledge and understand about the various mechanisms that are involved various organisms in studying their disorders and techniques to correct those disorders	
B21CH0602	Chemistry-V Lab	2021-22	Skill development: Acquire the knowledge and understand about the various mechanisms that are involved various organisms in studying their disorders and techniques to correct those disorders	
B21GN0202	Cytogenetics Lab	2021-22	Skill development: Acquire the knowledge and understand about the various mechanisms that are involved various organisms in studying their disorders and techniques to correct those disorders	
B21MI0302	Chemistry-iii Lab	2021-22	Skill development: Acquire the knowledge and understand about the various mechanisms that are involved various organisms in studying their disorders and techniques to correct those disorders	
B21MIS411	Aero Microbiology & Aquatic Microbiology	2021-22	Skill development: Acquire the knowledge and understand the microbial dynamics and their significance in the air samples, methods to study this, analyse the normal and polluted water micro flora and their significance, etc.	
B21GN0401	Developmental Genetics	2021-22	Skill development: Acquire the knowledge and understand the process of developmental phases of the cell cultures.	
B21GN0501	Human Genetics	2021-22	Skill development: Acquire the knowledge and understand the process of developmental phases, genomic structure and functions related to genetic diseases of human	
B21BT0101	Cell Biology	2021-22	Skill development: Acquire the knowledge of research and advances in the cell biology. Physiological and molecular functions of cell can be studied	
B20BC3011	Language: Kannada -iii	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B20BC3012	Language: Hindi –iii	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B20BC3013	Language: Additional English -iii	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B20BC4011	Language: Kannada -iv	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B20BC4012	Language: Hindi –iv	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B20BC4013	Language: Additional English -iv	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B20CH3011	Language –: Kannada –iii	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B20CH3012	Language –: Hindi-iii	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B20CH3013	Language –: Additional English -iii	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B20CH4011	Language –: Kannada-iv	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B20CH4012	Language –: Hindi-iv	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	

B20CH4013	Language –: Additional English-Iv	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.
B21AHK102	Language – li: Kannada	2021-22	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.
M21AJ0106	Practical – I (Experimental Psychology)	2021-22	Skill Development: Hands on experience of the theoretical cognitive psychology processes.
B20EF0402	Unix Operating System	2021-22	Skill Development: Students are familiarized on Linux operating systems, its functionalities and applications.
B21DC0102	Digital Logic And Computer Design	2021-22	Skill Development: Students are familiarized with the number systems, Boolean algebra and digital circuit design. They learn the working principles of various electronic circuits, transistor characteristics and its applications. They will compare different biasing methods of transistors and understand the working of amplifiers.
B20CH4112	Ifrs & Ind-As	2021-22	Skill Development: Students are made to be familiarised with concepts underlying accounting that enable to prepare book of accounts, annual reports and interpret them. They practically prepare journals, subsidiary books, 3 column cash book, ledgers and trial balance. They analysis companies cash flow.
BTC515F8100	Global Certification Program-1	2021-22	Skill Development: Students are trained and received the certifications on latest technologies that will help them in building their career.
BTC515F8200	Global Certification Program-2	2021-22	Skill Development: Students are trained and received the certifications on latest technologies that will help them in building their career.
B20JP3010	Rhetoric Of Language - I	2021-22	Skill Development: Students can develop professional skills at par with industry requirements and apply the acquired language skills to make a bearing mark in any relevant industry.
B20JP4010	Rhetoric Of Language - li	2021-22	Skill Development: Students can develop professional skills at par with industry requirements and apply the acquired language skills to make a bearing mark in any relevant industry.
B21ENS111	Interdisciplinary Elective 1 - Comic And Graphic Narratives	2021-22	Skill Development: Students can identify the socio-cultural practices that contribute to the making of comic and graphic narratives through the theories and Apply the illustration of cultural practices and their representations in texts to understanding societies.
B21JNS112	Interdisciplinary Elective 2 – Event Management	2021-22	Skill Development: Students develop a sense of responsibility for the multi-disciplinary nature of event management. Develop confidence and enjoyment from involvement in the dynamic industry of event management.
M21AJ0203	Practical – I (Assessment Of Individual Differences)	2021-22	Skill Development: Students develop the skills to construct their measure to assess and understand the behavior.
M21AJ0204	Practical – li (Test Construction)	2021-22	Skill Development: Students develop the skills to construct their measure to assess and understand the behavior.
B21TMS113	Interdisciplinary Elective 3 - Tourism Entrepreneurship	2021-22	Skill Development: Students develop the understanding of the fundamental knowledge about the business trends in Tourism. Acquaint about the types of entrepreneurship and tourism marketing planning in the context of tourism business.
M21SP0105	Solid State Physics	2021-22	Skill Development: Students get familiarised with structure, properties and behavior of materials and learn to synthesize different phases of materials.
B21PYS211	Interdisciplinary Elective 4- Skill Acquisition And Training	2021-22	Skill Development: Students learn the various aspects of the process of the recruitment in various companies. They develop the organizational skills through proper training.
M20EN4010	Critical Theories – li (From Liberal Humanism To The Present)	2021-22	Skill Development: Students learn to interpret, analyze and evaluate literary texts.
B21AC0201	Tourism – li (Tourism Products)	2021-22	Skill Development: Students learn various tourism products and destinations as well as presentation skills essential to industry requirement and occupational situations.
B19IP6010	Political Science -Vii(Major Constitutional Systems)	2021-22	Skill Development: Students will learn about constitutional developmental processes, acts, amendment procedures of various constitutions of different countries which will enable them to compare with Indian constitution.
B19JP5022	Political Science -Vi (B) (Comparative Government And Politics)	2021-22	Skill Development: Students will learn about different governments, their growth, development, different kind of war and treaties which will enable them to develop analytical and research skill.
B21CP0601	Data Mining And Data Warehousing	2021-22	Skill development: Students will learn the concepts on data analysis and explore the statistical tools and techniques required for analysis of data.
B21ASM201	Environmental Science	2021-22	Skill Development: The course focuses on Environmental health as a component of the public health system and is committed to protecting the health of the public and enhancing quality of life by assessing, correcting, controlling, and preventing those factors in the environment that can adversely affect human health.
B21AB0203	Economics – li (Principles Of Macro Economics)	2021-22	Skill Development: The role of prices in allocating scarce resources in market economies and explain the consequences of government policies in the form of price controls.
M21SOS311	Nano Biotechnology And Space Microbiology	2021-22	Skill development: the student will given skills and knowledge about the usage of Nanoparticles in food storage and processing.
M21SOZ309	Biomass And Energy Systems	2021-22	Skill development: The students will be able to develop the skills required fro generation of green energy to save the world.
B21GN0201	Cytogenetics	2021-22	Skill development: This course enriches the student understanding about the various mechanisms that are involved various organisms in studying their disorders and techniques to correct those disorders.
B21CHS612	Electro Analytical Chemistry	2021-22	Skill development: This course explains the fundamental concept, principles and laws of electrochemistry, types of electrodes and study of electrode reactions pathway, electrochemical sensor, electrochemical energy storage and conversion devices.
B21MIS112	Extremophiles	2021-22	Skill development: This course facilitates the students to understand microbes in extreme environments impart the knowledge of thermophilic microbes and their importance and utilize halophilic microbes and their applications.
B21GN0302	Microbial Genetics Lab	2021-22	Skill development: This course helps helpful to become familiar with gene interaction, crossing, and ethics to use various organisms required for the experiments.
B21GN0302	Molecular Genetics Lab	2021-22	Skill development: This course helps helpful to become familiar with gene interaction, crossing, and ethics to use various organisms required for the experiments.
B21GN0601	Evolutionary & Biometrical Genetics	2021-22	Skill development: This course helps helpful to become familiar with science concerned with the inheritance of quantitative traits and analytical methods of biometrical genetics.
B21GN0101	Classical Genetics	2021-22	Skill development: This course helps in understanding the gene interaction, crossing, and ethics to use various organisms required for the experiments.
B21ASO302	Open Elective – Health And Hygiene	2021-22	Skill development: this course helps to understand and develop the health consciousness based on food habits by keeping the hygienic environment.
B21ASO302	Health & Hygiene	2021-22	Skill development: this course helps to understand and develop the health consciousness based on food habits by keeping the hygienic environment.
B21MI0501	Microbial Physiology	2021-22	Skill development: this course helps to understand how microbial physiology works, from the molecular level to the organ function. It also provides knowledge of the physical, mechanical, and biochemical functions that determine the health and adaptation of microbes.
B21BC0401	Biochemical Techniques	2021-22	Skill development: this course helps to understand human body works, from the molecular level to the organ systems. It also provides knowledge of the physical, mechanical, and biochemical functions that determine the health and adaptation of humans.
M21SL5311	Clinical Data Science	2021-22	Skill development: This course is helpful to become familiar with scope and understanding of human diseases and treatment methods can be processed in a case study report and use the data to clinical studies.
B21CHS311	Hetero Cyclic Chemistry & Chemistry Of Natural Products	2021-22	Skill development: This course is helpful to become familiar with the fundamental concept of structure, bonding and properties in heterocyclic compound, structural elucidation of certain organic compounds and chemical route synthesis of some biomolecules (carbohydrates).

B21CH0102	Chemistry-I Lab	2021-22	Skill development: This course is helpful to gain expertise on the basic techniques in the organic laboratory for preparation, purification and Identification of organic compounds and provide scientific understanding of analytical techniques and detail interpretation of results.
B21GN0102	Classical Genetics Lab	2021-22	Skill development: This course is helpful to learn and implement the genetic modification tools to <u>modify the organisms for the benefit of human society</u>
B21GN0301	Molecular Genetics	2021-22	Skill development: This course is helpful to learn and implement the genetic modification tools to <u>modify the organisms for the benefit of human society</u>
B21GNS511	Medical Genetics	2021-22	Skill development: This course is helpful to learn and implement the genetic modification tools to <u>modify the organisms for the benefit of human society</u>
B21GNS512	Applicative Genetics	2021-22	Skill development: This course is helpful to learn and implement the genetic modification tools to <u>modify the organisms for the benefit of human society</u>
B21CHS611	Chemistry Of Bio Molecules	2021-22	Skill development: This course is helpful to learn and implement the role and functions of biological <u>macromolecules in human and animal</u>
B21BC0301	Human Physiology	2021-22	Skill development: This course is helpful to learn and implement the role and functions of biological <u>macromolecules in human and animal</u>
B21BCS612	Biochemistry Of Animal Sciences	2021-22	Skill development: This course is helpful to learn the latest science on the molecular mechanisms of animal life. This course also covers the basic principles of plant biology, such as photosynthesis, primary and secondary metabolism, etc.
B21BCS611	Biochemistry Of Plant Sciences	2021-22	Skill development: This course is helpful to learn the latest science on the molecular mechanisms of plant life. This course also covers the basic principles of plant biology, such as photosynthesis, primary and secondary metabolism, etc.
B21CHS312	Polymer Chemistry	2021-22	Skill development: This course is helpful to realize the importance of monomer concept in polymers, expertise basic concepts in Biopolymers and their fundamental importance, enhance the knowledge foundation concepts of synthesis of various polymeric compounds and understand reaction kinetics, <u>theory and relevant applications of the polymers</u>
B21BC0101	General Biochemistry - I	2021-22	Skill development: This course is helpful to understand the benefits of Microorganism and biochemical process for increasing the properties of microbes towards producing proteins, enzymes and valuable <u>substances</u>
B21CH0201	Chemistry-ii	2021-22	Skill development: This course is helpful to understand various interactions in liquid mixtures and their effect on mixture properties, effect of temperature and fundamental concepts of chemical bonding, <u>Ionic bonding, Covalent Bonding etc.</u>
B21MI0202	Bacteriology And Virology Lab	2021-22	Skill development: This course provides working skills to handle various techniques for isolation of bacteria and viruses, various enumeration methods for bacteria and phages and analyse different <u>biochemical techniques to identify bacteria</u> .
B21MI0201	Bacteriology And Virology	2021-22	Skill development: This course strengthens the knowledge of the morphological details and classification of bacteria, bacterial growth phases and kinetics and biology of virus, phage and their host <u>interactions</u> .
B21GN0602	Evolutionary & Biometrical Genetics Lab	2021-22	Skill development: This course will provide hands on experience on the analytical methods used to <u>identify the inheritance of quantitative traits</u> .
B20AL4060	Sociology Of Diaspora	2021-22	Skill development: To focus on basic concepts of sociology relevant for better understanding of Indian <u>Society</u> .
M21LM2140	Contemporary Challenges To Criminal Law	2021-22	Skill Development: Understand and appreciate broad classification of contemporary issues and their affects in society and the role of criminal law. Sketch the role of judicial institutions and investigating <u>authorities in this regard for preventing & control strategies</u> .
B18EC8024	Radar And Navigational Aids	2021-22	Skill Development: Understand principles of navigation, in addition to approach and landing aids as <u>related to navigation different navigation system</u> .
B20EN0305	Course Based Project On Linear Integrated Circuits	2021-22	Skill Development: Understand the knowledge and skills learnt from theory concepts to build projects, <u>to design solution to Engineering/real time problems</u>
B20EN0405	Course Based Project On Microcontroller And Applications	2021-22	Skill Development: Understand the knowledge and skills learnt from theory concepts to build projects, <u>to design solution to Engineering/real time problems</u>
B21AC0101	Tourism – I (Travel And Tourism Industry)	2021-22	Skill Development: Understanding of rich and diverse heritage of India through its history,culture and <u>traditions</u> .
B21AC0103	History – I (History Of Ancient India)	2021-22	Skill Development: Understanding of rich and diverse heritage of India through its history,culture and <u>traditions</u> .
B21AC0203	History – ii (History Of Medieval India)	2021-22	Skill Development: Understanding of rich and diverse heritage of India through its history,culture and <u>traditions</u> .
B21ST0201	Random Variable, Probability Distributions And Limit Theorems	2021-22	Skill development:Students will learn the concepts on statistical data and explore the statistical tools <u>and techniques required for analysis</u>
B21ST0301	Sampling Distributions, Estimation Theory And Simulation	2021-22	Skill development:Students will learn the concepts on statistical data and explore the statistical tools <u>and techniques required for analysis</u>
M21AI0102	Physiological Psychology	2021-22	Skills Development: Students get an insight on the <u>functions of their body and mind, helps them correlate and decipher the two</u> .
B21HB0208	Radiation Physics & Physics Of Diagnostic Radiology.	2021-22	Employability and Skill development: Special procedures are diagnostic or therapeutic procedures usually performed under local anesthesia with some form of imaging guidance by a surgical specialist or <u>a radiologist</u> .
B21HC0403	Bakery Science	2021-22	Employability and Skill development: The course analyse the requirements to be used in food service <u>systems</u>
B21HC0404	Food Packaging	2021-22	Employability and Skill development:The course analyse the requirements to be used in food service <u>systems</u>
B21HC0501	Nutrition For Sports And Exercise	2021-22	Employability/ Entrepreneurship/ Skill development: The course analyse the requirements to be used in <u>food service systems</u>
B21HC0401	Food Service Management	2021-22	Employability/ Entrepreneurship/ Skill development: The course enables the learning of baking skill
B21HC0406	Food Product Development (Laboratory Xi)	2021-22	Employability/ Entrepreneurship/ Skill development: The course enables the learning of baking skill
B21HC0306	Food Microbiology (Laboratory VII)	2021-22	Employability/ Skill development: The course enables the learning of menu planning for clinical <u>conditions</u>
B21HC0506	Assesment Of Food Quality (Laboratory Xiii)	2021-22	Employability/ Skill development: The course enables the learning of menu planning for clinical <u>conditions</u>
B21HS0401	Environmental Science And Health	2021-22	Employability/ Skill development: The course enables the learning of menu planning for clinical <u>conditions</u>
B21HC0103	Instrumentation And Food Analysis	2021-22	: Employability/ Skill developmentThe course gives the information regarding food quality
B21HC0101	Introduction To Food And Nutrition	2021-22	Employability/ Skill development: The course gives the knowledge of basic principles of Food Science <u>and Nutrition</u> .
B21HC0104	Fundamentals Of Food Science	2021-22	Employability/ Skill development: The course gives the knowledge of basic principles of Food Science.
B21HC0204	Food Sanitation	2021-22	Employability/ Skill development: The course gives the knowledge of GMP in Food manufacturing <u>industries</u>
B21HC0203	Human Physiology -ii	2021-22	Employability/ Skill development: The course gives the knowledge of Human organs related to the <u>clinical conditions</u> .
B21HC0502	Food Processing	2021-22	Employability/ Skill development: The course gives the knowledge of nutritional application for sports
B21HC0508	Nutrition For Sports And Exercise (Laboratory Xv)	2021-22	Employability/ Skill development: The course gives the knowledge of nutritional application for sports
B21HC0305	Clinical Nutrition -I	2021-22	Employability/ Skill development:The course gives the significance, symptoms and diagnosis of clinical <u>condition</u>

B21HC0307	Community And Public Health Nutrition (Laboratory Viii)	2021-22	Skill development: The course helps in gaining knowledge on application of microbiology in Food Science	
B21HC0405	Bakery Science (Laboratory X)	2021-22	Skill development: The course helps in gaining the knowledge of Packaging in food industry	
B21HC0205	Nutritional Biochemistry – li (Laboratory Iv)	2021-22	Skill development: The course helps to acquire the skill to learn the effect of nutrients on health	
B21HC0402	Food Product Development And Quality Control	2021-22	Employability/ Skill development: The course helps to apply the knowledge of food processing and nutrition in creation	
B21HC0407	Food Service Management (Laboratoryxii)	2021-22	Skill development: The course helps to apply the knowledge of food processing and nutrition in creation	
B21HC0601	Nutrition Counselling	2021-22	Employability/ Skill development: The course helps to develop the skill of nutrition counseling	
B21HC0504	Quality Food Service And Physical Facilities	2021-22	Employability/ Skill development: The course helps to equip technology application in nutrition	
B21HC0207	Food Sanitation (Laboratory Vi)	2021-22	Skill development: The course helps to gain experience in Food manufacturing industries	
B21HC0505	Clinical Nutrition - li	2021-22	Employability/ Skill development: The course helps to gain knowledge of protocol to be followed in Food Service.	
B21HC0308	Clinical Nutrition-I (Laboratory Ix)	2021-22	Skill development: The course helps to gain knowledge on the application of nutrition in community	
B21HC0105	Human Physiology –I (Laboratory I)	2021-22	Skill development: The course helps to gain the skill of handling biological samples.	
B21HC0303	Food Microbiology	2021-22	Employability/ Skill development: The course helps to know the basics of microbiology	
B21HC0202	Fundamentals Of Nutritional Biochemistry	2021-22	Employability/ Skill development: The course helps to learn the food nutrient analysis	
B21HC0503	Basics Of Bio Informatics	2021-22	Skill development: The course highlights different methods of processing food products	
B21HC0302	Nutraceutical And Functional Food	2021-22	Employability/ Skill development: The course highlights the importance of bioactive compounds	
B21HC0507	Clinical Nutrition – li (Laboratory Xiv)	2021-22	Skill development: The course highlights the importance of Food safety and Food Security	
B21HC0301	Nutrition And Health Education	2021-22	Employability/ Skill development; The course teaches the importance of nutrition education in community	
B21HC0304	Community And Public Health Nutrition	2021-22	Employability/ Skill development: The course teaches the importance of nutrition education in community	
M21HD0106	Molecular Biophysics And Bioorganic Preparations (Laboratory– I)	2021-22	Employability/ Skill development; The preparation of Different buffers and other reagents makes them to fit into industries. They can open their own industries.	
B21HB0404	Radiation Protection And Safety	2021-22	Employability/ Skill development: These procedures use radioactive materials called radiopharmaceuticals	
M21HDO201	Omics Logic Data Science	2021-22	Skill development: They can get jobs in different data centers	
B21HB0103	Biochemistry- I	2021-22	Employability/ Skill development: This energy has an electric field and a magnetic field associated with it, and has wave-like properties. You could also call radiation "electromagnetic waves".	
B21HB0203	Biochemistry - li	2021-22	Employability/ Skill development: This energy has an electric field and a magnetic field associated with it, and has wave-like properties. You could also call radiation "electromagnetic waves".	
B21HB0303	Special Procedures	2021-22	Employability/ Skill development: Ultrasounds have some limitations to the structures they can find, and this is usually limited to internal organs. Ultrasounds are not typically ordered for images of bony structures. In contrast, CT scans can provide detailed images of soft tissues, bones, and blood vessels	
M21RC0101	Environmental Design Studio-1	2021-22	Skill , entrepreneurship and employability :Teaches various simulation skills & digital software knowledge	
M21RC0105	Digital Tools & Simulation Software	2021-22	skill and employability :Teaches various simulation skills & digital software knowledge	
M21RC0201	Environmental Design Studio- li	2021-22	Skill , entrepreneurship and employability :Teaches various simulation skills & digital software knowledge	
M21RC0203	Research Methodology & Statistical Methods	2021-22	skill and employability : Teaches various simulation skills & digital software knowledge	
M21RCPE05	Geo Informatics	2021-22	skill and employability :Teaches various simulation skills & digital software knowledge	
M21RC0402	Environment And Energy Resource Economics	2021-22	Skill , entrepreneurship and employability : Teaches various simulation skills & digital software knowledge	
2020-21				
B18CH5412	HR Analytics	2020-21	Employability & Skill Development: Students gain the knowledge of basic concepts of information technology & systems required to be setup in organizations. Students develop required skills in understanding, maintaining & usage of applications of various information systems in business decisions	MoU SASI
B20CI0101	Introduction To Python Programming	2020-21	Employability- Python is a Programming Language that can be treated in a procedural way, an object-orientated way, or a functional way. It can be used on a server to create web applications, create workflows, connect to database systems, read, and modify files, handle big data and perform complex mathematics. It can implement object-oriented features and exception handling; it can parse the strings using regular expressions. It can be used for implementing the machine learning algorithms to develop solutions for interdisciplinary problems apart from any general problems leading to automation. Python is most popularly used scripting language, good good knowledge of this courses lead to direct	MoU Indian Tech Keys
B18EC6044	Machine Learning & Deep Learning	2020-21	Employability, Skill Development: This course is an introduction to Machine Learning & Deep Learning for students towards AI. To understand brain like structure of the algorithm, Neural networks and human intervention.	MoU Indian Tech keys
B20ME0102	Design Thinking	2020-21	Employability/ Skill development - Today, innovation is everyone's business. At every level, in every kind of organization, design thinking provides the tools that one needs to become an innovative thinker and uncover creative opportunities. For example, companies like Procter, Gamble and GE have incorporated Design Thinking into their strategy and marketing. The course draws on methods from engineering and design, and combines them with ideas from the arts, tools from the social sciences, and insights from the business world. In this course, students start in the field, where they discover the needs of the target audience. They then iterate ideas on teams to develop a range of promising possible solutions, create rough prototypes to take back out into the field, and learn to test with real people in the target audience.	Website (Sem 1, B Tech CSIT)
B18CS6010	Machine Learning For Data Analytics	2020-21	Employability: Students are trained on method of data analysis that automates analytical model building.	MoU SASI, MoU Indian Tech keys
M20CS0101	Advanced Machine Learning	2020-21	Employability: Students are trained on method of data analysis that automates analytical model building.	MoU Indian Tech keys
BTCIS15F6510	Intelligent Agents	2020-21	Employability: Students are trained on simulation of human intelligence processes by machines, especially computer systems.	MoU Indian Tech keys
B18CS6061	Mobile Application Development	2020-21	Entrepreneurship, Employability: Students are trained on creating software applications that run on a mobile device, and a typical mobile application.	Website (Sem 6, B Tech CSE)
B20ME0104	Entrepreneurship	2020-21	Entrepreneurship: Students will be trained on Application development and maintenance, Asset leverage solutions, Assurance services, Business process outsourcing, Consulting, Engineering and Industrial services. Enterprisse solutions and IT infrastructure	Website (Sem 3, B Tech CSIT)

BTCS15F7530	Programming With Python	2020-21	Entrepreneurship: Students will learn to use python interpreter for designing simple programs. Demonstrate usage of object oriented features, file and exception handling. Trained to apply the knowledge of python and use the language scripting elements and constructs and repository of standard library, to develop real world and web based applications.	MoU Indian Tech Keys
B20CI0505	Machine Learning Lab	2020-21	(Employability): Machine learning uses interdisciplinary techniques such as statistics, linear algebra, optimization, and computer science to create automated systems that can process through large volumes of data at high speed to make predictions or decisions without human intervention.	MoU Indian Tech keys
B20MGM301	Management Science	2020-21	(Entrepreneurship): Management science is the study of problem-solving and decision-making in organizations. You can think of it as applying the scientific method to management, enabling managers to make decisions for an organization and improve its performance. Management science is important because it helps organizations identify issues they need to solve, streamline management efforts, use resources more effectively, and develop roadmaps for achieving goals.	Website(Sem 3, B Tech CSE)
M20AI1030	Python for AI	2020-21	(Employability): On inducing fuzzy logic into real time application, Assignment: on search techniques and knowledge representation in AI, Journal review on advanced Artificial intelligence SD: Quiz : NLP, and Role Play: DFS, BFS Group discussion: on Syntactic & Semantic Analysis.	MoU Indian Tech Keys
M20AI2060	Predictive Analytics Using R	2020-21	(Skill Development): Predictive analysis in R Language is a branch of analysis which uses statistics operations to analyze historical facts to make predict future events. It is a common term used in data mining and machine learning. Methods like time series analysis, non-linear least square, etc. are used in predictive analysis.	MoU SASI
B20CI0801	Capstone-Project Phase-2	2020-21	(Employability): Resource formulation of different research methodologies Booster survey/experiment Snap short surveys and social experiments to facilitate researcher jobs in various sectors Experience in Survey and Report writing help the student to start own NGO/ research	Website (Sem 7, B Tech CSE)
B18BS5052	Data Science Using Tableau	2020-21	Skill Development, Employability, Entrepreneurship: Students learn the fundamental concepts of big data analytics, applications using MapReduce Concepts, use various techniques for mining data stream, various search methods and visualization techniques.	MoU SASI
B18CA6011	Data Analytics Using R	2020-21	Skill Development, Employability, Entrepreneurship: Students learn, the basics of Big Data and Big Data Analytics, Equip the students with the concepts of storing Big Data using Hadoop Distributed File System. To provide the students with the foundation of Big Data analysis using Map Reduce, expose students to data analytics features using R	MoU SASI
B20EC0101	IoT and Applications	2020-21	Skill Development, Employability: Students are trained on how to work on IoT devices and that can be created to be specific to almost every industry.	MoU Indian Tech keys
B18BS5090	Programming With Python Lab	2020-21	Skill Development, Employability: Students learn the implementation of python language, various features in python and the use of syntactical structures of python language. This enhances their employability skills in Data Analytics and Machine Learning.	MoU SASI
B19BS3050	Python Foundation	2020-21	Skill Development, Employability: Students learn the implementation of python language, various features in python and the use of syntactical structures of python language. This enhances their employability skills in Data Analytics and Machine Learning.	MoU SASI
B19BS4053	The Internet Of Things	2020-21	Skill Development, Employability: Students learn the basics of things in IoT Identify different IoT applications and their application areas, Explain the emerging field of wireless sensor networks, which consist of many tiny, low-power devices equipped with sensing, computation, and wireless communication capabilities, Describe operating systems, radio communication, networking protocols.	MoU Indian Tech keys
M20TBS231	Applications Of Iot In Civil Engineering	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.	MoU Indian Tech keys
B20EA0604	Big Data Analytics Lab	2020-21	The Big Data Analytics Lab (BDaL), is an interdisciplinary research laboratory, that focuses on large-scale data analytics problems that arise in different application domains and disciplines. One of the primary focus of our lab is to investigate an alternative computational paradigm that involves "humans-in-the-loop" for large-scale analytics problems. These problems arise at different stages in a traditional data science pipeline (e.g., data cleaning, query answering, ad-hoc data exploration, or predictive modeling), as well as from emerging applications.(Entrepreneurship)	MoU SASI
B20CI0304	Agile Software Development And Devops	2020-21	The student will be able to Understand the importance of planning and create work break down structure for a software project. Analyze different estimation techniques – story points, velocity estimates and planning, time boxing and Gantt charts. Understand iterations plans, various task dependencies and create CPM charts and PERT charts for a software product. Assess & plan for project risks and identify anti patterns.(Employability)	Website(Sem 3, B Tech CSE)
B19BJ3051	Media Studies**	2020-21	Skill Development: Students learn to be successful and to aspire and prepare for work that is stimulating and rewarding.	
M20PH3010	Astrophysics	2020-21	Skill Development: Students learn fundamental concepts in astrophysics that will equip them to better understand new scientific discoveries made in the coming years and decades and also learn about origin and evolution of life and the search for life beyond the Earth.	
B20BH4050	Total Quality Management	2020-21	Skill development: All Business Management students requires the ability to deal with quality aspects of the business. This course introduces students to the quality requirements . It also provides them with experience in understanding the designing processes which leads to total quality management.. This course reinforces the experience gained in their study of various quality parameters, quality checking techniques, tools and quality control requirements.	
B20EJ0501	Web Technologies And Applications	2020-21	Carve your career: Group Mini web development application projects enables them to work in real time web applications in IT and ITES companies. Design & Develop a website : Enables the student entrepreneurs to design and launch webs ites by imparting future oriented learning skills. Select & Connect: Online Assignments based on different types of database connectivity improves the critical thinking skill in selecting the relevant databases for the front end application(Skill Development).	
M20AI2021	Data Security And Privacy	2020-21	Data security is the practice of protecting digital information from unauthorized access, corruption, or theft throughout its entire lifecycle. It's a concept that encompasses every aspect of information security from the physical security of hardware and storage devices to administrative and access controls, as well as the logical security of software applications. It also includes organizational policies and procedures.(Skill Development)	
M20AI2013	Mobile App Development	2020-21	Defining enterprise app development is fairly straightforward: it's the process of creating applications for enterprise-sized businesses, specifically customized to meet their business needs. Once complete, these apps can then be deployed to the necessary platforms and devices.(Entrepreneurship)	
M20THS122	Programmable Networks - SDN, NFV	2020-21	Employability - This course covers the topic areas of software defined infrastructure (SDI) network functions virtualization (NFV), software-defined networking (SDN) and beyond. The Network Academy includes a broad collection of online content and technical training aimed to assist technical professionals in the network industry to improve their knowledge of key technologies, industry trends, and technical aspects of NFV deployments.	
B20AH0301	Communication Skill	2020-21	Employability - This course is aimed to develop basic communication skills in English in the learners, to prioritize listening and reading skills among learners, to simplify writing skills needed for academic as well as workplace context, to examine that the learners use the electronic media such as internet and supplement the learning materials used in the classroom.	

B20BH3070	Export And Import Management	2020-21	Employability & Entrepreneurship: The course aims to inculcate the Legal frame work of import and export as well as procedure, and also course aims to understand the key organization and foreign trade environment for promoting Export and import trade in India, the students can gain the knowledge in terms of export product selection and pricing the export goods. Understand the Federation of Indian Export Organization and its role in export and import. Gain the knowledge about how to identify and select the export product
B20BB3030	Financial Management	2020-21	Employability & Skill Development: Financial Management is an introductory finance course designed to make students understand the basic finance concepts. The course involves studies on decision-making utilizing financial resources available to the firm from the perspective of the manager. This course enable students to synthesize related information and evaluate options for most logical and operational solutions such that they would be able to predict and control Debt Equity incurrence and improve results.
B18BC5311	Laws Related To Banking And Insurance	2020-21	Employability & Skill Development: Students gain the knowledge various theories related to banking institutions development and make business decisions.
B20BB4412	Foreign Exchange Management	2020-21	Employability & Skill Development: This course concentrate in changing of the forex market scenario, how the foreign exchange market operates and techniques that can be used to reduce the risk. This program will help the students to gain a comprehensive knowledge regarding the foreign exchange management.
B20BB2060	Organizational Behaviour	2020-21	Employability & Skill Development: This course provides the detailed knowledge about the human behavior in the organizational context. It highlights the significance of Challenges and Opportunities of OB, perception, attribution, learning, organizational change, organizational culture, motivation and leadership. And it is illustrating and paraphrase the concept of Perception and Interpersonal Skills.
B18BC5512	Advertising And Media Management	2020-21	Employability , Entrepreneurship: The students get exposed to concept of brands and various theories of branding. It helps them to develop an understanding towards how to make something into an experience so customers develop a favourable attitude towards compnay's offering.
B18BH5512	Rural Marketing	2020-21	Employability , Entrepreneurship: To familiarize students with the decisions involved in running a retail firm and the concepts and principles for making those decisions. While the course focuses on the retail industry including retailers of consumer services, the content of the course is useful for students interested in working for companies that interface with retailers such as manufacturers of consumer products or for students with a general management or entrepreneurial interest
M20TJ5211	FPGA Application	2020-21	Employability and skill development: It will help the students to work in automation industries.
M20TK0202	Pavement Evaluation & Management System	2020-21	Employability and skill development: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
B20BC2060	Business Statistics – I	2020-21	Employability and Skill Development: it is based on the acquired knowledge to interpret the calculated statistical indicators, apply knowledge to solve simple tasks using computer (MS Excel), choose a statistical method for solving practical problems (for Data Analysis)
B18BC5010	Tax Law And Practices-I	2020-21	Employability and Skill Development: students can be well worsed in Direct taxes like Income tax & its various provisions. On learning of this courses, student can become tax consultant
B18BC6010	Tax Law And Practices-II	2020-21	Employability and Skill Development: students can be well worsed in Direct taxes like Income tax & its various provisions. On learning of this courses, student can become tax consultant
B18BJ6030	Introduction To Critical Theory	2020-21	Employability and Skill Development: Students can enhance their art of creative non-fiction and can explore the structure and cultural function of language by composing persuasive prose and develop advanced critical thought. They can perform as facilitator, web content provider, information officer, Technical writer, Research Analyst and the role of teacher
B19BJ4030	American Literature	2020-21	Employability and Skill Development: Students can enhance their art of creative non-fiction and can explore the structure and cultural function of language by composing persuasive prose and develop advanced critical thought. They can perform as facilitator, web content provider, information officer, Technical writer, Research Analyst and the role of teacher
B18BJ6021	Journalism -VIII (A)(New Media)	2020-21	Employability and Skill Development: Students learn explore the process of communication and study the various models of communication and use them in their work place. They develop to analyze the process, models and levels of communication and assess the various types of mass media.
M18CA4061	NOSQL	2020-21	Employability and Skill Development: Students learn NoSQL Databases, Compare the four types of NoSQL Databases (Document oriented, Key Value Pairs, Column oriented and Graph), Explain the need of NoSQL databases in handling Big data, Distinguish between the types of NOSQL databases, Demonstrate the data models in these databases, Apply appropriate Data model for any application, Design and write queries in NOSQL Databases, Evaluate NoSQL database development tools and programming languages, Applythe principles behind Distributed storage models.
B20JP1050	Journalism - I (Introduction To Media & Communication)	2020-21	Employability and Skill Development: Students learn the basic aspects of communication and media. It help them to understand the better way of perceiving information.
M20JM1040	Theories Of Mass Communication	2020-21	Employability and Skill Development: Students learn the various aspects of Communication theory and application levelin the media houses. They develop to analyze the ethical aspects of communication and entire media system.
B19BJ4040	Psychology - Iv (Developmental Psychology)	2020-21	Employability and Skill Development: Students learn the various aspects of developmental Psychology from birth till death, usage of the developmental psychological concepts in their daily lives. The concepts they learn are basic psychological concepts which they can also apply at work place. They also can understand themselves in each stage of developmet
B20BJ1060	Psychology - I (Basic Psychological Process-I)	2020-21	Employability and Skill Development: Students learn the various aspects of developmental Psychology from birth till death, usage of the developmental psychological concepts in their daily lives. The concepts they learn are basic psychological concepts which they can also apply at work place. They also can understand themselves in each stage of developmet
M20JM2020	Media Laws And Management	2020-21	Employability and Skill Development: Students learn the various aspects of ownership patterns and managerial functions of mass media. They develop skill to analyze the business and management aspects of the media.
B20BJ2060	Psychology - II (Basic Psychological Process-II)	2020-21	Employability and Skill Development: Students learn the various aspects of Psychology, usage of the psychological concepts in their daily lives. The concepts they learn are basic psychological concepts which they can also apply at work place
B18BJ5070	Employability Skills - Iii	2020-21	Employability and Skill Development: Students learn the various aspects of the process of the recruitment in various companies. They develop the organizational skills through proper training.
B19BJ3052	Guidance And Counseling**	2020-21	Employability and Skill Development: Students learn the various aspects of the process of the recruitment in various companies. They develop the organizational skills through proper training.
M19EN4050	Employability Skills	2020-21	Employability and Skill Development: Students learn the various aspects of the process of the recruitment in various companies. They develop the organizational skills through proper training.

B19JP3020	Journalism - III (Audio-Visual Production)	2020-21	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B19JP4030	Journalism – IV (Fundamentals of Media Research)	2020-21	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B20JP2050	Journalism - II (Reporting & Editing)	2020-21	Employability and Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B19JP3030	Economics - Iii (Economic Growth And Development)	2020-21	Employability and Skill Development: Students learn the various levels of research in the field of growth and development . They can develop the skills for giving suggestions for the growth and development of the country.
B19JP3013	Political Science - III (Indian Constitutions and Institutional framework)	2020-21	Employability and Skill Development: Students learn to report the political beat reporting and procees and its application in their work place. Students acquire to assess the fairness and neutrality in the most important beat in the media.
B20JP1040	Political Science - I Core Concepts of Political science	2020-21	Employability and Skill Development: Students learn to report the political beat reporting and procees and its application in their work place. Students acquire to assess the fairness and neutrality in the most important beat in the media.
B20JP2040	Political Science- II (Understanding Political Theory)	2020-21	Employability and Skill Development: Students learn to report the political beat reporting and procees and its application in their work place. Students acquire to assess the fairness and neutrality in the most important beat in the media.
B20BT2060	Tourism II [Tourism Products]	2020-21	Employability and Skill Development: Students learn various tourism products and destinations as well as presentation skills essential to industry requirement and occupational situations.
B20CH1050	Statistics For Business - I	2020-21	Employability and Skill Development: Students will be provided with the knowledge of statistical methods and their commercial application for effective decision making in business
B20CH2050	Statistics For Business – Ii	2020-21	Employability and Skill Development: Students will be provided with the knowledge of statistical methods and their commercial application for effective decision making in business.They will learn to analyse and interpret the correlation between two variables and to understand the concept of regression in estimation of value of one variable from known set of data.
B18BC5040	E-Commerce And Tally	2020-21	Employability Entrepreneurship and Skill Development: It helps to impart latest knowledge on emerging areas of E-Commerce to the students and also enable them to gain knowledge about e-commerce and its various components involved in it. Students can start there own business through online. Tally helps them to get employed as an office accountant.
B20BA1054	Practical-1-Fundamentals Of Dance Odissi	2020-21	Employability- learning this course will help students to get great opportunities in teaching field
B20BA1055	Practical-1-Fundamentals Of Dance Kathak	2020-21	Employability- learning this course will help students to get great opportunities in teaching field
B21IAS227	Practical-2 Hindustani	2020-21	Employability- learning this course will help students to get great opportunities in teaching field
M20PA1035	Practical -1-Kathak	2020-21	Employability- learning this course will help students to get great opportunities in teaching field
M20PA2050	Natya Sastra Practical	2020-21	Employability- learning this course will help students to get great opportunities in teaching field
B20BT2050	Journalism - Ii[Reporting & Editing]	2020-21	Employability Skills - The course trains the student to identify legitimate news sources, write journalistic stories and edit the copies according to the industry standards
B18CH6040	International Operations Management	2020-21	Employability, Entrepreneurship and Skill Development: forex markets, international Parity conditions, forex risks, currency derivatives and hedging issues, issues with currency investment strategies, issues with cross border financing decisions and cross border investment decisions. student can also become stock broker
M20TK0107	Traffic & Pavement Engineering Laboratory	2020-21	Employability, Entrepreneurship and skill development: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M20TKS221	Geometric Design Of Highways	2020-21	Employability, Entrepreneurship and skill development: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M20TKS232	Land Use And Transportation Planning.	2020-21	Employability, Entrepreneurship and skill development: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M20TKS241	Environmental Impact Of Transportation	2020-21	Employability, Entrepreneurship and skill development: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M20TKS242	Highway Economics And Finance	2020-21	Employability, Entrepreneurship and skill development: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M20MC2060	Entrepreneurship Development	2020-21	Employability, Entrepreneurship and Skill Development: The course provides a detailed information regarding developing an entreprise and skills that has to be incorporated in an entrepreneur.
BTC517F7310	Big Data And Hadoop	2020-21	Employability, Entrepreneurship: Students will know to Explain Big Data concepts and managing big data. Generalize Hadoop Architecture. Develop Complex MapReduce programs. Trained to Apply data analytics using Pig, Hive.
B20BB4411	International Trade And Policy Framework	2020-21	Employability, Skill Development & entrepreneurship: This course concentrate olicy incentives help exporters increase their profitability through foreign sales. Trade policy refers to the complete framework of laws, regulations, international agreements, and negotiating stances adopted by a government to achieve legally binding market access for domestic firms.
B19CH4611	Marketing Of Financial Services	2020-21	Employability, Skill development : Students Understand the different types of the financial derivatives and factors contributing for the growth of the derivatives in India
B19CH4612	Fundamental Analysis	2020-21	Employability, Skill development : Students Understand the different types of the financial derivatives and factors contributing for the growth of the derivatives in India
B19BC4112	Goods And Services Tax-I	2020-21	Employability, Skill development: Students will understood the basic principles underlying the Indirect Taxation Statutes (with reference to GST Act, Customs Act), to equip students with the principles and provisions of Goods and Services Tax (GST).
M20TK0104	Traffic Engineering	2020-21	Employability,Skill Development: Employability/ Entrepreneurship/ Skill development: Students gets the exposure on working principle of various microphones and loudspeakers, magnetic and optical recording process, monochrome and color televisions and the operation of various home/office appliances
B18EC6X10	Moocs / Swayam/Nptel/Edx/Coursera/Mini Project	2020-21	Employability,Skill Development: It offers various advance courses that helps in building technical development skills.

B20ER0704	Engineering Economics And Financial Management	2020-21	Employability/ Entrepreneurship/ Skill development - This course explores the importance of economics in the industries. Engineering economics is an interdisciplinary subject in which financial aspect of the industrial product and investment interest rates are discussed. The course emphasis on evaluation of different interest rates, comparison of different alternatives using PW, AW, FW and Internal rate of return. This subject also deals with evaluation of selling price and depreciation, financial aspects such as book keeping, ratios and budgeting.
M20TK0105	Transportation Data Analysis	2020-21	Employability/ Entrepreneurship/ Skill development: Students will get to know the fundamentals of networks and network programming, Learn different approaches to the design of a network application, protocol and advanced application design, Learn practical approach: by learning various methods of securing a network application, programming with the Open SSL toolkit, and authentication.
M20PS3042(P)	Assessment In Organization- Practical-I	2020-21	Employability: Hands on experience to train and assess employees. Students understand the functioning of organizations and helps them to function effectively in organizational setting.
M20PS4042(P)	Organizational Training And Development—Practicals-I	2020-21	Employability: Hands on experience to train and develop the Skills of the employees. Students understand the behavior across life from different perspectives.
M20EN2061	Dalit Literature And Aesthetics	2020-21	Employability: Students appraise the importance of Subaltern voices and its significance for human dignity and to condemn all sorts of discrimination and Develop a sensitivity towards the backwards classes and their experiences and to educate others to bring a change in society
BTC515F6430	Digital Image Processing	2020-21	Employability: Students are familiarized with digital image processing that has many advantages over analog image processing. It allows a much wider range of algorithms to be applied to the input data and can avoid problems such as the build-up of noise and distortion during processing.
BTC515F7540	Cloud Security	2020-21	Employability: Students are familiarized with Cloud security that is important for both business and personal users. Everyone wants to know that their information is safe and secure and businesses have legal obligations to keep client data secure, with certain sectors having more stringent rules about data storage.
BTC515F7320	High Performance Computing	2020-21	Employability: Students are familiarized with High Performance Computing that is important because the researchers and makers who have problems to solve that will not fit in a simple computer or be solved in a timely manner by a simple computer are generally modelling really big problems and testing for potential solutions to those problems.
B20BJ1050	English Literature (Chaucer – Pope) & Language – I	2020-21	Employability: Students are familiarized with the British intellectual tradition and are able to assess the creative responses to political, societal, religious and cultural changes that take place from the Middle English period to the Augustan era.
B19BJ3030	English Literature (Victorian & Modern Ages) & Aspects Of Language – Iii	2020-21	Employability: Students are familiarized with the British intellectual tradition and are able to assess the creative responses to political, societal, religious and cultural changes that take place from the pre-Romantic era to the Modern era.
B20BJ2050	English Literature (The Romantic Age) & Language – Ii	2020-21	Employability: Students are familiarized with the British intellectual tradition and are able to assess the creative responses to political, societal, religious and cultural changes that take place from the pre-Romantic era to the Modern era.
BTC515F7100	Machine Learning And Applications	2020-21	Employability: Students are trained on method of data analysis that automates analytical model building which is related to various domains and Applications
M20PS4010	Counseling Psychology	2020-21	Employability: Students develop counselling skills and will be able get employed in various counselling setting.
M20PS3022	Consumer Psychology	2020-21	Employability: Students develop the skills to create, analyse and understand various advertisements. Tactics to enhance sales of a product and analyze the situation to come up with specific techniques.
B18BC5312	Customer Relationship Management In Banking And Insurance.	2020-21	Employability: Students learn about Industrial relations and the various approaches of IR. They become aware about the industrial disputes, their causes and the statutory machinery to resolve industrial disputes. Students learn about the quality of worklife and the process of collective bargaining. This knowledge makes them employable as they understand and know how to deal with industrial disputes and maintain good industrial relations in their organisation.
M20PS3012	Organizational Behavior –I	2020-21	Employability: Students understand the functioning of organizations and helps them to function effectively in organizational setting.
M20PS4022	Organizational Behavior-Ii	2020-21	Employability: Students will acquire the advanced skills to run the organizations and helps them to process the system in organizational setting.
M20PS4032	Organizational Training And Development	2020-21	Employability: Students understand the functioning of organizations and will be train develop tools for employees.
B20BH3050	International Business Management	2020-21	Employability: The course enables students to understand and analyse the various processes of International Business. It also enables students to understand the global business requirements. Understand the impact of regional integration on various aspects of International Trade and the role of International trade organizations in international business. Understand the flows of funds from different countries and its impact on the global trade. Basic understanding of Business concepts and Globalization trends.
B18CH6020	Legal Aspects Of Business	2020-21	Employability: The course introduces the student to Law and legal institutions in society, emphasizing areas of law relevant to business operations, general legal, and social environment with emphasis on business ethics; role of contracts in business; and employment obligations.
B18CH5111	Accounting Theory And Standards	2020-21	Employability: This course acquaints the students and makes them familiar with the process and preparation of accounts of different types of organizations.
B18CH5312	International Financial Institutions And Markets	2020-21	Employability: This course covers current practices in corporate financial reporting and fundamental issues relating to asset valuation and income determination. The emphasis is on financial statement analysis and interpretation of financial disclosures to help improve risk assessment, forecasting, and decision-making.
B18CH5010	Income Tax And Practice –I	2020-21	Employability: This course provides an introduction to taxation in India. It helps to gain knowledge about the Indian Taxation System.
M20TK0103	Railways, Airways And Harbour Engineering	2020-21	Employability: understand government regulations, standardization bodies, link budgets, the design of a wireless communication standard and principles of spread-spectrum communications. They will have understanding of IEEE 802.11 networks, Architecture of 802.11, the 802.11 MAC protocol, the different physical layers of 802.11, the Security and Qos protocols used in 802.11, and the throughput of 802.11.
M20PS3031	Rehabilitation Psychology	2020-21	Employability: Will be able to get employed in various rehabilitation setting as they learn and understand various areas of rehabilitation and techniques to enhance well-being.
M20PS3032	Human Resource Management And Development	2020-21	Employability: Examine current issues, trends, practices, and processes in HRM. Contribute to employee performance management and organizational effectiveness. Problem-solve human resource challenges.
B20AR5010	Architectural Design - Iv	2020-21	Employability- students are trained in design of community or group housing projects
B18CH5411	Talent Management	2020-21	Employability - This course helps students to be more familiar with the advance HR functions. This course is designed to create symbiotic relationship between talent and organization to accelerate performance improvements by instituting talent management system that ensures identification, management, development of talent portfolio.

M20PS1040	Educational Psychology	2020-21	Employability Skills: Students get opportunity to work in school setting and develop teaching tools. Helps to explore cognitive, behavioural, emotional influences on the learning Process.
M20PS1070(P)	Computer Fundamental And Spss- Practical-Ii	2020-21	Employability Skills: Students get opportunity to work in research consultancies and have the knowledge of using SPSS Software.
B19BS4010	Public Cloud –Aws,Azure And Google	2020-21	Entrepreneurship Skill Development, Employability: Students have hands on knowledge on Amazon cloud, Hands on knowledge on Azure cloud, Hands-on knowledge on Google cloud
B19BS4090	Public Cloud –Aws,Azure And Google Lab	2020-21	Entrepreneurship Skill Development, Employability: Students have hands on knowledge on Amazon cloud, Hands on knowledge on Azure cloud, Hands-on knowledge on Google cloud
B19BS4100	Cloud Developer Tools And Ecosystem Lab	2020-21	Entrepreneurship Skill Development, Employability: Students have hands on knowledge on cloud development tools and its eco-system.
B18BS6051	Wireless Sensor Networks	2020-21	Entrepreneurship Skill Development, Employability: Students learn the basics of things in IoT, identify different IoT applications and their application areas, explain the emerging field of wireless sensor networks, which consist of many tiny, low-power devices equipped, with sensing, computation, and wireless communication capabilities., describe operating systems, radio communication, networking protocols
B19BS3090	Object Oriented Programming With Java Lab	2020-21	Entrepreneurship Skill Development, Employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of different data types, operators and control flows in Java Programming, classes, objects, inheritance and applets. Students are familiarized with string handlings, exception handling, packages and interfaces.
M20CA2020	Object Oriented Programming Using Java	2020-21	Entrepreneurship Skill Development, Employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of different data types, operators and control flows in Java Programming, classes, objects, inheritance and applets. Students are familiarized with string handlings, exception handling, packages and interfaces
B20BA6033	Practical-6- Mohiniyattam	2020-21	Entrepreneurship- the course also prepare the students to deal with the industry directly this aids the needs of budding entrepreneurs.
B20BA6034	Practical –6 Odissi	2020-21	Entrepreneurship- the course also prepare the students to deal with the industry directly this aids the needs of budding entrepreneurs.
B20BA6035	Practical –6 Kathak	2020-21	Entrepreneurship- the course also prepare the students to deal with the industry directly this aids the needs of budding entrepreneurs.
B20BA6037	Practical-6-Hindustani	2020-21	Entrepreneurship- the course also prepare the students to deal with the industry directly this aids the needs of budding entrepreneurs.
B18EC5040	Entrepreneurship And Innovator Skills	2020-21	Entrepreneurship: The students are gaining the knowledge on government polices available to start up a new business enterprise and Institutional support. Develop a working knowledge of managerial fundamentals. Facilitate decision making process for setting up new enterprise.Understand the meaning, identification, selection of project and also preparation and errors in project reports.
B20CH2060	Investing In Stock Markets	2020-21	Entrepreneurship, Employability and Skill Development: This course is to familiarize the students with the activities in a modern office. Smooth functioning of any organization depends upon the way various activities are organized, facilities provided to the staff working in the office, the working environment and the tools and the equipment used in office
M20BC2070	Protein Chemistry (Laboratory-V)	2020-21	Skill development: Get jobs in clinical labs, Hospitals and start their own diagnostic labs
B20EJS610	Natural Language Processing In Ai	2020-21	(Employability): On inducing fuzzy logic into real time application, Assignment: on search techniques and knowledge representation in Ai, Journal review on advanced Artificial intelligence SD: Quiz : NLP, and Role Play: DFS ,BFS Group discussion: on Syntactic & Semantic Analysis.
B20CI0702	Project Phase-I	2020-21	(Employability): Resource formulation of different research methodologies Booster survey/experiment Snap short surveys and social experiments to facilitate researcher jobs in various sectors Experience in Survey and Report writing help the student to start own NGO/ research
M20AI2032	Robotic Process Automation	2020-21	(Entrepreneurship): RPA is a form of business process automation that allows anyone to define a set of instructions for a robot or 'bot' to perform," says Aaron Bultman, director of product at Nintex. "RPA bots are capable of mimicking most human-computer interactions to carry out a ton of error-free tasks, at high volume and speed
M20BC1070	Clinical Biochemistry (Laboratory Cum Training- Ii)	2020-21	Skill development : acquired from different techniques helps students to get jobs in different industries, research labs and clinical labs
B20CS0101	Introduction To Data Science	2020-21	Skill development - Data Science is an interdisciplinary, problem-solving oriented subject that is used to apply scientific techniques to practical problems. The course orients on preparation of datasets and programming of data analysis tasks. This course covers the topics: Set Theory, Probability theory, Tools for data science, ML algorithms and demonstration of experiments by using MS-Excel/ Python/R.
M20THS114	Engineering Innovation And Design	2020-21	Skill Development - Innovation Engineering is defined as a method for solving technology and business problems for organizations who want to innovate, adapt, and/or enter new markets using expertise in emerging technologies (e.g., data, AI, system architecture, block chain), technology business models, innovation culture, and high-performing networks. Learn to produce great designs, be a more effective engineer, and communicate with high emotional and intellectual impact. This course gives students the ability to understand, contextualize, and analyse engineering designs and systems. By learning and applying design thinking, students will more effectively solve problems in any domain. Lectures focus on teaching a tested, iterative design process as well as techniques to sharpen creative analysis. Guest lectures from all disciplines illustrate different approaches to design thinking. This course develops students' skills to conceive, organize, lead, implement, and evaluate successful projects in any engineering discipline. Additionally, students learn how to give compelling in-person presentations. Open to all majors, all years
B20ER0606	Technical Documentation	2020-21	Skill development - This course describes the method used to document the procedures and tools used in testing or research and aims to describe the primary purpose of preparing an Engineering technical report. Also helps in preparing report that describes the progress, process, or results of scientific or technological research. It also covers how to prepare and include some recommendations and conclusions in report.
M20MS1061	Advanced Operating Systems Using Linux	2020-21	Skill Development : Students learn the overview of operating system, process description and its control, Study Threads, SMP, and micro kernel and virtual memory concepts, Provide systematic and comprehensive treatment of operating system; Provide a strong foundation in distributed resource management components .viz .the algorithms for implementation of distributed shared memory, recovery and commit protocols.
B19JP4020	Political Science – Iv (Western And Eastern Political Thought)	2020-21	Skill Development : Students will learn the theories and concepts given by eminent Western and Eastern Political Philosophers which will help them to understand ideologies and theories of Political science.
M20CH4043	Analytical Chemistry Lab-Iv.3	2020-21	Skill development and employability: Acquire knowledge and hands-on experience in synthesis, mechanism, properties, separation, and recrystallization of inorganic compounds and characterization of inorganic compounds using different spectroscopic techniques.
M20PH3020	Nano-Science And Nanotechnology	2020-21	Skill Development and Employability: Students learn to demonstrate and apply nano fabrication method and to prepare nano materials. Students also evaluate the processing conditions for functional nano materials.
B20AR5020	Structural Systems And Building Construction-V	2020-21	Skill development- Students are trained in construction details and building material usage
M20PA4045	Practical 11-Kathak	2020-21	Skill Development- The course will help students to gain and sharpen their skills in Performing Arts

M20TK0101	Artificial Intelligence In Transportation Engineering	2020-21	Skill Development- The Internet of Things is transforming our physical world into a complex and dynamic system of connected devices on an unprecedented scale. Advances in technology are making possible a more widespread adoption of IoT, from pill-shaped micro-cameras that can pinpoint thousands of images within the body, to smart sensors that can assess crop conditions on a farm, to the smart home devices that are becoming increasingly popular. But what are the building blocks of IoT? And what are the underlying technologies that drive the IoT revolution? This course is designed to give you the technical knowledge and skills to build Internet of Things (IoT) systems.	
M20MC1030	Operations Research And Quantitative	2020-21	Skill development, Employability - Students shall employ the various measures of central tendency, measures of skewness and dispersion and learn about Operations research and Linear programming.	
B20ED0401	Building Planning And Drawing With Autocad	2020-21	Skill development, Employability and Entrepreneur: the Student can learn and implement the application of building planning rules and laws	
M20CA2054	Advanced Linux Programming	2020-21	Skill Development, Employability, Entrepreneurship: Students learn Unix/Linux Kernel programming techniques, advanced C systems programming and debugging techniques in a Unix/Linux environment, Review basic concepts covered in the core Operating Systems course prerequisite as they are realized in the Linux platform, Discuss correct synchronization techniques for both application programs and kernel code running on Unix process as well as multiprocessor platforms, Review basic concepts covered in the core Operating systems course.	
B18CA5090	Web Technology Lab	2020-21	Skill Development, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.	
BTC515F7800	Project Work Phase-1	2020-21	Skill Development, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.	
B18CA6022	Digital Marketing	2020-21	Skill Development, Employability, Entrepreneurship: Students Develop industry background knowledge to knowledgeably navigate Internet Marketing topics including online advertising, search, social media, and online privacy, Evaluate an experiment quantitatively and qualitatively to measure the effectiveness of business decisions and online advertising effectiveness in particular, Design and implement an experiment., Apply best practices for social media marketing	
B18CA5042	Computer Animation	2020-21	Skill Development, Employability, Entrepreneurship: Students gain knowledge in Animation, Recognize, locate and navigate through all aspects of the Photoshop user interface, Create, manipulate, and edit text and graphics to obtain desired graphical outcomes, Design, create, edit, and manipulate animation using several animation tools and techniques	
M18CA5051	Deep Learning Concepts & Techniques	2020-21	Skill Development, Employability, Entrepreneurship: Students learn foundation of neural networks and deep learning, Formulate deep networks for different applications, demonstrate different deep learning architectures, Validate deep learning techniques in object recognition and computer vision.	
M18CA5030	J2Ee & J2Me Using Design Patterns	2020-21	Skill Development, Employability, Entrepreneurship: Students learn the advanced topics in various advanced J2EE and J2ME patterns used in Software Industry, the major Software Design Patterns available in J2EE and J2ME framework to meet demanding Software Engineering problems encountered in various Industries, get hands on experience working with the various J2EE and J2ME patterns, understand the J2EE Specifications to produce well designed, effective web applications using JSP and supporting technologies	
M20CA2063	Optimization Techniques	2020-21	Skill Development, Employability, Entrepreneurship: Students learn the concept and an understanding of basic concepts in Operations Research Techniques for Analysis and Modeling in Computer Applications, understand develop and solve mathematical model of linear programming problems, understand develop and solve mathematical model of Transport and assignment problems, understand network modeling for planning and scheduling the project activities.	
M18CA6010	Internship / Global Certification	2020-21	Skill Development, Employability, Entrepreneurship: Students take up either internship or one Global Certification course	
B18BS6052	Cyber Security & Big Data Security	2020-21	Skill Development, Employability: Students learn significance of privacy, ethics in big data environment, Analyzing the steps to secure big data.	
B18BS6061	Advanced Web Programming Using Ruby	2020-21	Skill Development, Employability: Students provide Storage foundational knowledge of Software programming using Ruby, learn the basic syntax and semantics of the ruby language and programming environment, ruby on rails.	
B19BS4061	Programming With Ruby & Golang	2020-21	Skill Development, Employability: Provide Storage foundational knowledge of Software programming using Ruby, learn the basic syntax and semantics of the ruby language and programming environment, ruby on rails interactive with databases.	
B18CS5062	Advanced Dbms	2020-21	Skill Development, Employability: Students are familiarized with applying the knowledge to design database schemas. Design ER diagrams for given data models. Use database concepts and relational models for building database applications. Trained to develop database applications for industrial projects and demonstrate skills as a database administrator to control both data and application programs	
B18CS6062	Advanced Computer Networks	2020-21	Skill Development, Employability: Students are familiarized with principles, architectures, and protocols used in modern networked systems, such as the Internet itself, wireless and mobile networks, high performance networks and data center networks	
BTC515F6550	Programming With Java	2020-21	Skill Development, Employability: Students are trained on advanced technology or advance version of Java specially designed to develop web-based, network-centric.	
B19BS4052	Cyber Physical Systems	2020-21	Skill Development, Employability: Students develop an understanding of the underlying principles behind integration of computation (software), networking and physical processes to design useful engineering systems, deals with effective orchestration of software and physical processes.	
B19BS3061	Advanced Virtualization Concepts	2020-21	Skill Development, Employability: Students get understanding of Advanced virtualization concepts, Hands-on knowledge on advanced virtualization	
B18BS5041	Mobile Networks & Computing	2020-21	Skill Development, Employability: Students learn basics of the wireless communication systems, various aspects of mobile computing techniques, the basic concepts of mobile computing, network protocol stack and gain knowledge about different mobile platforms and application development .	
M20MS1080	Data Mining Lab	2020-21	Skill Development, Employability: Students learn data analysis techniques through Data Mining Programming, Understand Data mining techniques and algorithms with Programs, Comprehend the data mining environments and applications, Understand the process of Knowledge discovery program.	
M18CA5090	J2Ee & J2Me Using Design Patterns Lab	2020-21	Skill Development, Employability: Students learn the major Software Design Patterns available in J2EE and J2ME framework to meet demanding Software Engineering problems encountered in various Industries, get hands on experience working with the various J2EE and J2ME patterns.	
M20CA1030	Operating Systems Using Linux	2020-21	Skill Development, Employability: Students learn the operation, implementation and performance of modern operating systems, and the relative merits and suitability of each for complex user applications, Compare, contrast, and evaluate the key trade-offs between multiple approaches to operating system design, and identify appropriate design choices when solving real-world problems, understand the design of the LINUX operating system., Execute various commands of the LINUX OS, learn the different types of filters used in LINUX	

B19BS4040	Nosql Databases	2020-21	Skill Development, Employability: Students learn to classify the latest trends in databases, summarize the features of NoSQL systems., distinguish NoSQL databases with each other and relational systems, compare the various NoSQL Data models, acquire knowledge in parallel, distributed databases and its applications, understand the usage of advanced data models, learn emerging databases like MongoDB, HBase etc
B18CA5052	Network Administration	2020-21	Skill Development, Employability: Students learn to Develop and Applying technology in an environment, Describe the working of local area network (LAN) technologies for wired and wireless networks as well as analyze the working of virtual LANs and different networking devices, Network administration models, Network management technologies, Construct and use routing tables for datagram forwarding and study the different categories of Internet routing protocols, Describe the responsibilities of the different layers of TCP/IP protocol stack as well as the use of different fields in the packet headers corresponding to these layers, Explain the different classes of IP addresses, Setting up the DNS name service, Setting up a WWW server, E-mail configuration
B18CA5010	Ooad Using Uml	2020-21	Skill Development, Employability: Students learn to implement the basic concepts to identify state & behavior of real world objects, implement various object oriented methodologies ,apply the concept of analysis and design to develop a document for a given project and to implement analysis and design phases in developing a software project. This will enhance their employability skills.
B20EDS721	Environmental Impact Assessment And Life Cycle Analysis	2020-21	Skill Development, Entrepreneurship & Employability: To learn about environmental impact assesment rules and procedure in the country
B20ED0602	Design Of Pre-Stressed And Prefabricated Structures	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.
B20ED0603	Design Of Steel Structures	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.
B20ED0701	Analysis And Design Of Bridges	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.
B20ED0703	Structural Design, Drawing And Detailing (Rcc & Steel)	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.
M20TB0102	Advanced Design Of Rc Structures	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.
M20TB0104	Computational Structural Dynamics	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.
M20TB0107	Structural Engineering Laboratory-I (Concrete Laboratory)	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.
M20TBS211	Advanced Structural Analysis With Matlab	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.
M20TBS212	Design Of Bridges	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.
M20TBS221	Design Of Tall Structures	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.
M20TBS232	Design Of Earthquake Resistant Structures	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.
M20TBS242	Reliability Analysis And Design Of Structures	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections.
B20ED0606	Project Management Lab	2020-21	Skill Development, Entrepreneurship & Employability: To learn about the construction planning and management by PERT and CPM
B20ED0702	Estimation , Costing And Valuation, Project Report	2020-21	Skill Development, Entrepreneurship & Employability: To provide basic knowledge about Estimation of quantities and materials used in construction for a economical design
B20ED0604	Financial And Construction Management	2020-21	Skill Development, Entrepreneurship & Employability: To provide basic knowledge about management of financial resources and construction techniques
B20EDS504	Pavement Materials And Construction	2020-21	Skill Development, Entrepreneurship & Employability: To provide basic knowledge about materials used in construction of pavement layers
B20ED0303	Surveying And Geomatics	2020-21	Skill Development, Entrepreneurship & Employability: To provide basic knowledge about principles of surveying for location, design and construction of engineering projects, To develop skills for using surveying instruments including chain, measuring tapes, levelling instruments, plane table, theodolite etc.
M20CH4042	Advanced Inorganic Chemistry Lab-Iv.2	2020-21	Skill development: Acquire knowledge and hands-on experience in synthesis, mechanism, properties, separation, and recrystallization of inorganic compounds and characterization of inorganic compounds using different spectroscopic techniques.
M20CH4041	Advanced Organic Chemistry Lab-Iv.1	2020-21	Skill development: Acquire knowledge and hands-on experience in synthesis, mechanism, properties, separation, and recrystallization of organic compounds and characterization of organic compounds using different spectroscopic techniques.
M20CH3083	Analytical Chemistry –Iii.2	2020-21	Skill development: Acquire knowledge and hands-on experience in synthesis, metal oxides, inorganic complexes and characterization using different spectroscopic techniques.
M20CH3082	Advanced Organic Chemistry Practicals- Iii.2	2020-21	Skill development: Acquire the knowledge and hands on experience of synthesis, mechanism, properties, separation and recrystallization of organic compounds and characterization of organic compounds using different spectroscopic techniques.
B20BC1023	Language – Ii: Additional English	2020-21	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.
B20CH2021	Language – Ii: Kannada –Ii	2020-21	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.
B20CH2022	Language – Ii: Hindi- Ii	2020-21	Skill Development: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.
B18EC6055	Component Engineering	2020-21	Skill Development: Gain the knowledge about selecting, managing, documenting and approving components abd other materials used in the production of semiconductors, microprocessors and related electrical products.
M20PS1060(P)	Experimental Psychology-Practical-I	2020-21	Skill Development: Hands on experience of the theoretical cognitive psychology processes.
M20PS2060(P)	Assessment Of Individual Differences- Practicals -I	2020-21	Skill Development: Hands on experience to assess and understand various psychological processes
M20PS1050	Psychological Measurement	2020-21	Skill Development: Helps student analyze develop their measuring tools for various psychological concepts.

M20TK0106	Urban Transport Planning	2020-21	Skill development: Radio's operating functions implementation through modifiable software or firmware operating on programmable processing technologies. used in application specific programmable processors. this allows new wireless features and capabilities to be added to existing radio systems <u>without requiring new hardware</u>
M20PS3041(P)	Clinical Assessment - Practical-I	2020-21	Skill Development: Students analyze and get trained to use various tools and measurements for clinical assessment and intervention.
M20PS4041(P)	Clinical Assessment And Intervention-Practical-I	2020-21	Skill Development: Students analyze and get trained to use various tools and measurements for clinical assessment and intervention.
B20CS0102	Programming For Problem Solving	2020-21	Skill Development: Students are familiarized on list of instructions or program statements composed in such a way as to enable a computer to solve a problem.
B19BS3080	Cloud Computing Architecture And Design Lab	2020-21	Skill Development: Students are familiarized with the number systems, Boolean algebra and digital circuit design. They learn the working principles of various electronic circuits, transistor characteristics and its applications. They will compare different biasing methods of transistors and understand the working of amplifiers.
M20PS2010	Indigenous Psychology	2020-21	Skill Development: Students are involved in studying the Indian perspective to the study of behavior.
MTDE17F3500	One Global Certification	2020-21	Skill Development: Students are trained and receive the certifications on latest technologies that will help them in building their career.
BTCIS15F7520	Wireless And Mobile Networks	2020-21	Skill Development: Students are trained in Wireless mobile networks that allow mobile users to access real-time information so they can roam around your company's space without getting disconnected from the network.
B18CS5063	Introduction To Robotics	2020-21	Skill Development: Students are trained on Robotics that involves design, construction, operation, and use of robots.
M20PS3051(P)	Clinical Psychology Qualitative Research	2020-21	Skill Development: Students can analyze and construct their research in clinical setting.
M20PS3052(P)	Organizational Psychology Qualitative Research	2020-21	Skill Development: Students can analyze and construct their research in organizational setting.
M20PS1030	Quantitative Research Methods	2020-21	Skill Development: Students can analyze and construct their research and use statistical data to find the results.
M20PS2030	Qualitative Research Methods	2020-21	Skill Development: Students can interpret and construct the primary and secondary data for their research.
M20PS4031	Psychological Intervention Techniques	2020-21	Skill Development: Students develop the skills to assess and provide treatment for various psychological issues.
M20PS2070(P)	Test Construction-Practical-ii	2020-21	Skill Development: Students develop the skills to construct their measure to assess and understand the behavior.
M20PS4021	Adult Psychopathology	2020-21	Skill Development: Students develop the skills to diagnosis and deep understanding of adult psychological disorders.
M20PS3011	Child And Adolescent Psychopathology	2020-21	Skill Development: Students develop the skills to diagnosis and deep understanding of child and adolescent psychological disorders.
B18BC6020	Legal System In Business	2020-21	Skill Development: Students get an awareness of the process of business research, tools and techniques of research and generation of reports. They further clearly identify, analyse business problems and identify appropriate and effective ways to answer those problems, understand and apply the major types of research designs, formulate clearly defined research questions. Understand the ethical issues associated with the conduct of research. Be able to formulate and present effective research reports.
M20PS1010	Cognitive Psychology	2020-21	Skill Development: Students learn about the cognitive processes and develop skills to analyze models related cognition.
M20PS3070	Open Elective- Psychology For Self-Enhancement	2020-21	Skill Development: Students learn the importance of self which help them identify different dimensions of their personality.
M20MS2080	Nosql Lab	2020-21	Skill Development: Students learn the latest trends in databases, learn various NoSql systems and their features, Compare NoSql databases with each other and relational systems, learn emerging databases like MongoDB, HBase.
B20BT1050	Journalism - I[Introduction To Media & Communication]	2020-21	Skill Development: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B18BJ5030	Literary Criticism	2020-21	Skill Development: Students learn to analyse the philosophical discussion and evaluate literary texts
M19EN3020	Critical Theories – I(From Classical To Victorian Age)	2020-21	Skill Development: Students learn to interpret, analyze and evaluate the classical to victorian age in literary texts
M19EN4010	Critical Theories – II(From Liberal Humanism To The Present)	2020-21	Skill Development: Students learn to interpret, analyze and evaluate the Liberal Humanism to the present literary texts based on its relation to particular society.
M20PS2040	Life-Span Development	2020-21	Skill Development: Students understand the behavior across life from different perspectives.
M20MT3042	Regression Analysis	2020-21	Skill development: Students will be able to develop a clear understanding of various regression techniques and their applications.
B18BC5112	International Financial Reporting Standards And Ind-As	2020-21	Skill Development: Students will be able to know the need of adopting an uniform accounting standards which are acceptable through out the world.
M20PS2020	Theories Of Personality	2020-21	Skill Development: The course facilitates different approaches to the study of personality and helps them define and understand the various perspectives to its development.
M20PS2050	Positive Psychology	2020-21	Skill Development: The course provides a positive view to the study of behavior by teaching them about the good life.
B19JP4040	Economics - Iv	2020-21	Skill Development: The role of prices in allocating scarce resources in market economies and explain the consequences of government policies in the form of price controls.
B20JP1060	Economics - I (Principles Of Micro Economics)	2020-21	Skill Development: Examine the Principles of Micro Economics and the role of prices in allocating scarce resources in market economies and explain the consequences of government policies in the form of price controls.
B20JP2060	Economics – ii (Principles Of Macro Economics)	2020-21	Skill Development: Analyse the Principles of Macro Economics and explain the consequences of government policies in the form of price controls.
M20PH2053	Photonics-I	2020-21	Skill development: This course introduces the concepts of Laser systems, principles and its applications and explains basic principles of Laser induced Nonlinear optical phenomenon, modern optics tools and applications.
M20PH3053	Photonics-ii	2020-21	Skill Development: This course makes the students to understand optical fibers and applications , basic components integrated optics, ex: optoelectronic devices, modelling of photonics crystals and they also demonstrate different tools and fundamental concepts in signal processing
M20TK0102	Pavement Materials, Analysis And Design	2020-21	Skill Development: To equip students with the fundamental concept of information theory and entropy. Understand various source coding techniques. To familiarize with the reliability of data transmission using error-control coding techniques. To build procedures for designing efficient coding schemes for controlling various types of errors in digital communication system.
B20ED0201	Building Materials And Construction	2020-21	Skill Development: To learn different types of foundations provided for civil engineering structures, different types of masonry used in building construction.
B20BT1060	Tourism I [Travel & Tourism Industry]	2020-21	Skill Development: Understanding of rich and diverse heritage of India through its history, culture and traditions and acquiring tourism theories and characteristics of tourism industry.

B20BJ1040	History I [History Of Ancient India]	2020-21	Skill Development: Understanding of rich and diverse heritage of India through its history,culture and traditions.	
B20BT2040	History II [History Of Medieval India]	2020-21	Skill Development: Understanding of rich and diverse heritage of India through its history,culture and traditions.	
M20PH3060	Astrobiology And Extraterrestrial Life	2020-21	Skill Development:In this course students learn about astrophysical universe, ranging from solar system objects through stars, to galaxies and the structure of the universe as a whole,principles and methods of modern astrophysics.	
M20PH3043	Photonics-II	2020-21	Skill Development:This course provides the knowledge about lasers and laser amplifiers used in Industry and research ,basic laser radiation properties and switching mechanism different technics of light modulation and they also analyse and apply the knowledge of optoelectronic devices in research.	
B20ED0601	Advanced Geotechnical Engineering	2020-21	Skill Development:To learn about Soil strength and estimating the haracteristics of soil and its properties	
M20T80101	Advanced Design Of Foundations	2020-21	Skill Development:To learn about Soil strength and estimating the haracteristics of soil and its properties	
M20PH3083	Photonics Lab	2020-21	Skill development:To provide knowledge about lasers and laser amplifiers used in Industry and research, basic laser radiation properties and switching mechanism , demonstrate different analyse and apply the knowledge of optoelectronic devices in research techniques of light modulation	
M19EN3061	Biographies Of Great Personalities (For Students Of Non-M.A. English Programmes)	2020-21	Students will learn about the famous personalities and broaden their general knowledge. They will learn to connect biographical texts to their historical and cultural contexts. They will be able to relate their own struggles and gain inspiration from the famous personalities.	
B20BH4112	Financial Market And Services	2020-21	Skill Development: The course aims to instruct about financial market role in the business as well as familiarize the students with regards to stock market functions and features. The course aims to understand the key role of money market, capital market and banking role with regards to financial services. Students can welfare from this course concerning of monetary and non-monetary financial services which is available and more suitable for the business.	
M20BC1060	Biophysical Chemistry (Laboratory– I)	2020-21	The preparation of Different buffers and other reagents makes them to fit into industries. They can open their own industries.	
B20EJ0504	Web Technologies And Applications Lab	2020-21	The student will be able to Understand the principles of web designing and hosting. Create static web pages using HTML, CSS and HTML5. Create attractive web interfaces with client side technologies. Create, parse and validate XML documents (Employability)	
B20EA0605	Neural Networks And Deep Learning Lab	2020-21	This class introduces the concepts and practices of deep learning. The course consists of three parts. In the first part, we give a quick introduction to classical machine learning and review some key concepts required to understand deep learning. In the second part, we discuss how deep learning differs from classical machine learning and explain why it is effective in dealing with complex problems such as image and natural language processing. Various CNN and RNN models will be covered. In the third part, we introduce deep reinforcement learning and its applications. (Skill Development)	
B20BH4060	Banking And Insurance	2020-21	Entrepreneurship/ Skill development: This course aims at providing the students the basic understanding of the Banking system functioning in India. The course covers the basic understanding of all concepts related to insurance, its various types and Govt. regulations.	
B20EJ5703	Soft Computing Systems	2020-21	This course covers basic concepts of soft computing concepts, neural network architectures, back propagation, fuzzy logic, fuzzy membership and rules. (Skill Development)	
B20BH3060	Supply Chain Management	2020-21	Employability/ Skill development: This course focuses on understanding of fundamental concepts of supply chain and functional areas of supply chain. It will be valuable for students who would like to pursue a career in consulting or take a position in operations, marketing or finance functions in a manufacturing or distribution firm	
B20EQ0603	Modern Databases	2020-21	This course will provide students with a general overview of databases, introducing you to database history, modern database systems, the different models used to design a database, and Structured Query Language (SQL), which is the standard language used to access and manipulate databases. Effective collection, analysis, and maintenance of data is key to achieve rapid progress in almost all disciplines of science and engineering. (Entrepreneurship)	
M19BC3010	Molecular Physiology	2020-21	Employability and skill development: Understand the mechanism of metabolic pathways	
B20AL1040	Essentials Of Sociology	2020-21	Skill Development: law is like knowledge, an essential and all pervasive fact of the social condition society is directly related to sociology and in this matter, every society follows certain law.its highly important to know basic phenomenon of the society to understand the spirit of law.	
2019-20				
B19BE6031	Managing Growth and Diversification	2019-20	Skill Development: This course on Managing Growth and Diversification focuses on understanding and managing the growth of the organization from a small scale startup to a big conglomerate. Students will learn about the strategies of growth and details regarding rate, direction and different methods of growth of the organization. The course also will sensitize towards the operational issues and cultural issues in various types of growth option the organization pursues.	EDII - MoU
B19BE1050	Management and Entrepreneurship	2019-20	Employability , Entrepreneurship: To familiarize students with the decisions involved in running a firm and the concepts & principles for making those decisions to make it go further.	EDII - MoU
B19EL5010	Data science with Python programming	2019-20	Employability and Skill development: Data Science is an interdisciplinary, problem-solving oriented subject that is used to apply scientific techniques to practical problems. The course orients on preparation of datasets and programming of data analysis tasks. This course covers the topics: Set Theory, Probability theory, Tools for data science, ML algorithms and demonstration of experiments by using MS-Excel	MoU Indian Tech keys
B19EL5063	Embedded Systems & IOT	2019-20	Employability and Skill development: The Internet of Things, abbreviated IoT, expands access to the world-wide web from Computers, smartphones, and other typical devices to create a vast network of appliances, toys, apparel, and other goods that are capable of connecting to the Internet. This introductory course focuses on IoT architecture, its domains and communication protocols. The course is supported with hands on sessions that incorporates different types sensors interfaced with IoT board to build IoT projects to solve real time problems. The case study of deployment of IOT in various applications are provided	MoU Indian Tech keys
B19EL7056	Artificial Intelligence & Machine Learning Techniques	2019-20	Employability and skill development:The course helps in getting placements in software and automation companies	MoU Indian Tech keys
B19EE6045	Big Data Analytics and Cloud Computing	2019-20	Employability and skill development:The course helps in getting placements in software and automation companies	MoU SASI
M18MC3030	Soft Skill	2019-20	Employability, Skill development - Students will undergo Skill Development course being conducted by Training and Placement cell of the University.	MoU MECHAM, PWS HR consultancy
B19MT4050	Soft Skill Training (Computer Basics)	2019-20	Employability, Skill Development: basic knowledge of computers	MoU MECHAM, PWS HR consultancy
M19TCS2031	Python for Data Analysis	2019-20	Employability: Students are familiarized with Python for data analytics that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.	MoU SASI, MoU Indian Tech keys

B19BE3040	Entrepreneurial Lab	2019-20	Entrepreneurship & Skill development: Lab course curriculum provides business skill development to accelerate venture creation through the use of interactive exercises and business readings. Throughout the course, participants will explore lessons from understanding how startups are facing various challenges and involve in working with them to understand how the problems are solved and challenges are addressed	EDII - MoU
BSCB16F8210/ BS17CB812	Wireless Sensor Networks and Internet of Things	2019-20	Entrepreneurship Skill Development, Employability: Students learn the basics of things in IoT, identify different IoT applications and their application areas, explain the emerging field of wireless sensor networks, which consist of many tiny, low-power devices equipped, with sensing, computation, and wireless communication capabilities., describe operating systems, radio communication, networking protocols	MoU Indian Tech keys
B19BE5051	Project Feasibility Analysis	2019-20	Skill development: Project feasibility study is used to determine the viability of a project. It tells us whether a project is worth the investment by its promoters. Generation of ideas is not enough; the business ideas must stand the scrutiny from techno-economic, financial and legal perspectives. Feasibility literally means whether there exists a sizeable market for the proposed product/service, what would be the investment requirements and where to get the funding from, whether and wherefrom the necessary technical know-how to convert the idea into a tangible product may be available and so on.	EDII - MoU
B19EE5044	Python Programming	2019-20	Skill Development and Employability: It can implement object oriented features and exception handling, It can parse the strings using regular expressions. It can be used for implementing the machine learning algorithms to develop solutions for interdisciplinary problems apart from any general problems leading to automation and with the good knowledge of this course one can work in Software Industry	MoU Indian Tech keys
B19EL1040	Computer Concepts & Programming Language C++	2019-20	Skill Development and Employability: The knowledge of C and C++ concepts provides placements in software industries.	MoU Indian Tech keys
B19EL2040	Data Structure using C++	2019-20	Skill Development and Employability: The knowledge of C and C++ concepts provides placements in software industries.	MoU Indian Tech keys
B19EL2090	Data Structure Lab using C++	2019-20	Skill Development and Employability: The knowledge of C and C++ concepts provides placements in software industries.	MoU Indian Tech keys
BSCB16F5800/ BS17CB506	Programming with Ruby & Python lab	2019-20	Skill Development, Employability: Students will learn the implementation of python language, identify various features in python, solve the given problem using the syntactical structures of python language.	MoU Indian Tech keys
B18CA4090	Python Programming Lab	2019-20	Skill Development, Employability: Students learn the implementation of python language, various features in python and the use of syntactical structures of python language. This enhances their employability skills in Data Analytics and Machine Learning	MoU SASI, MoU Indian Tech keys
M18CA4040	Big Data Analytics Using R	2019-20	Skill Development, Employability: Students learn the scale of big data and its progression in time, relative to diverse data domains, primarily e-science and social science, Analyze need and structure of scalable data architectures, and their applications to large-scale scientific and social data processing, Analyze the structure of selected data mining algorithms and their implementation on data-parallel architectures, with special emphasis on strategies to promote strategies for collective intelligence. This will enhance their employability skills.	MoU SASI
B19AR5030	Energy efficiency in Buildings	2019-20	Skill, Employability, Entrepreneurship: Students are trained to utilize passive design strategies. Students get an overview of green building rating systems and their significance. Students are trained to apply the techniques learnt through software.	MoU SASI
B19IT5040	Machine Learning	2019-20	Student will understand the basic concepts and techniques of machine learning. Understand Genetic and Neural network algorithms. Analyze various learning algorithms to retrieve knowledge Understand the learning algorithms for finding regularities in data(Employability).	MoU Indian Tech keys
B19BE5062	Succession Planning in Family Business	2019-20	Entrepreneurship: This 3 credit course familiarizes the learner with the fundamentals of the succession process in the family business. The course includes topics related to leadership management in the family business and role of the governing board in the context of the family business. It also helps the students to understand the various issues associated with succession planning and strategies for succession.	EDII - MoU
B19BE3030	Understanding Business Opportunities	2019-20	Skill development: This course demonstrate and present successful work, collaboration and division of tasks in a multidisciplinary and multicultural team. And demonstrate understanding and application of the tools necessary to create sustainable and viable businesses	EDII - MoU
B19BE5010	Corporate Entrepreneurship	2019-20	Entrepreneurship: This course familiarises the students about the concept of corporate governance and its best practices in family business. It enables the students to gain knowledge and expertise in understanding the components to family governance in family owned enterprises. The course provides indepth knowledge on concepts like elements of corporate governance, directing the task of corporate governance in family businesses, family institutions and board of directors in implementing corporate governance, Structures and Plans to Govern a Family Business System, Relationships Among Governance Structures, and measures and tactics for conflict resolution in family business. Students get an experiential learning through the interesting case studies related to the Indian family businesses.	EDII - MoU
M18MB4313	Financial Modeling Using Excel	2019-20	skill development and employability, Employability, Entrepreneurship: Students will do hands on Excel to do Financial Modelling	
M18MB4614	International Shipping And Trade Opration	2019-20	skill development and employability, Entrepreneurship: Students will get understanding of international shipping, different sear routs, basic characteristics of bulk carriers, sizes of vessel in each class in making shipping decisions.	
M18CA4090	.Net Lab	2019-20	skill development and employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of Graphical User interface with Windows Forms. Students are familiarized with Event handling control properties, ADO.NET and Creating Connection string	
M19CS1070	Adbms Lab	2019-20	skill development and employability: Students are familiarized with applying the knowledge to design database schemas. Design ER diagrams for given data models. Use database concepts and relational models for building database applications. Trained to develop database applications for industrial projects and demonstrate skills as a database administrator to control both data and application programs	
M19DS1070	Adbms Lab	2019-20	skill development and employability: Students are familiarized with applying the knowledge to design database schemas. Design ER diagrams for given data models. Use database concepts and relational models for building database applications. Trained to develop database applications for industrial projects and demonstrate skills as a database administrator to control both data and application programs	
M19TCS1040	Adbms Lab	2019-20	skill development and employability, Employability: Students are familiarized with applying the knowledge to design database schemas. Design ER diagrams for given data models. Use database concepts and relational models for building database applications. Trained to develop database applications for industrial projects and demonstrate skills as a database administrator to control both data and application programs	
B18BA4013	Additional English	2019-20	skill development and employability as this subject teaches the students the basic functional use of the language in context and also explore issues related to the society and ethics. The student develops a genuine habit of reading and writing leading to effective and efficeint communication.	
B18MC4013	Additional English	2019-20	skill development and employability and employability : The student will be acquainted with good communication skills and vocabulary required for the student face the interviews.	

B18SM4013	Additional English	2019-20	skill development and employability: Help the learners gain competency in language and literature by exposing them to a larger variety of literary genres and themes to encourage their interests in critical social and cultural issues within literary as well as non-literary domains. Employability: Introduce the students to the multiplicity of literature from all over the world, contribute in the emotional and social development of the students and develop in the students an ability to appreciate cultural and social diversity.
B19BG2013	Additional English	2019-20	skill development and employability and employability : The student will be acquainted with good communication skills and vocabulary required for the student face the interviews.
B19MC2013	Additional English	2019-20	skill development and employability and employability : The student will be acquainted with good communication skills and vocabulary required for the student face the interviews.
B19PC2013	Additional English	2019-20	skill development and employability: Help the learners gain competency in language and literature by exposing them to a larger variety of literary genres and themes to encourage their interests in critical social and cultural issues within literary as well as non-literary domains. Employability: Introduce the students to the multiplicity of literature from all over the world, contribute in the emotional and social development of the students and develop in the students an ability to appreciate cultural and social diversity.
B19SM2013	Additional English	2019-20	skill development and employability: Help the student understand the multiple values of the society, develop a cultural understanding in the student to sharpen his/her social skills and ensure a gradual development of literary interest in the student. Employability: Demonstrate a deep understanding of the society and its values, develop a constructive understanding of the cultural dimensions of the human world and make use of his understanding to become a responsible global citizen of tomorrow.
B18AL4050	Administrative Law	2019-20	Employability : The course provides students an insight into legislative and judicial functions of administration, constitutional imperatives and exercise of discretion and the importance of judicial interpretations in unravelling the dynamics of administrative governance in our country. The students also learn the functions of administrative tribunals and the contemporary debates surrounding administrative governance like Lokpal.
B18BL4050	Administrative Law	2019-20	Employability : The course provides students an insight into legislative and judicial functions of administration, constitutional imperatives and exercise of discretion and the importance of judicial interpretations in unravelling the dynamics of administrative governance in our country. The students also learn the functions of administrative tribunals and the contemporary debates surrounding administrative governance like Lokpal.
M19CS1030	Advanced Algorithms	2019-20	skill development and employability: Students are familiarized to prove the correctness and analyze the running time of the basic algorithms for classic problems in various domains. To design algorithms using the dynamic programming, greedy method, backtracking.
M18MC3180	Advanced Auditing	2019-20	Employability, Entrepreneurship and skill development and employability: This course is a conceptual theory wherein auditing and corporate governance mechanism are discussed and practical examples of auditing techniques and work programs and also real time corporate governance failures are used to illustrate the application of the theory to students.
M18CA4062	Advanced Computer Networks Using Linux	2019-20	skill development and employability: Students learn the fundamentals of data communications and networks by gaining knowledge of data transmission concepts, Analyze the computer network with suitable network protocols and routing algorithms, Analyze different routing protocols and traffic engineering methods deployed in networking.
B18BS4051	Advanced Computer Networks	2019-20	skill development and employability: Students learn the basics of Big Data, the role and use of Big Data in various relevant industries, various tools and techniques used with big data, various types of Big Data Analytics, variety of data analysis tools, data aggregations using pivot tables, Represent data visually using pivot charts.
M18CA3052	Advanced Database Systems	2019-20	skill development and employability, Employability: Students will learn to Select the appropriate high performance database like parallel and distributed database , learn the basics of query evaluation techniques and query optimization, Design a semantic based database to meaningful data access, Embed the rule set in the database to implement intelligent databases, Represent the data using XML database for better interoperability, Model and represent the real world data using object oriented database, Solve the issues related to the data storage and retrieval
M19CT1030	Advanced Design Of Prestressed And Precast Structures	2019-20	Entrepreneurship, Employability and skill development and employability: develop skills in the analysis and design of pre-stressed concrete beams, columns and slabs design anchorage zones and composite pre-stressed concrete members.
M18CH4042	Advanced Inorganic Chemistry Lab-Iv.2	2019-20	Skill development and employability : Acquire the knowledge and hands on experience of synthesis, mechanism, properties, separation and recrystallization of inorganic compounds and characterization of inorganic compounds using different spectroscopic techniques.
B18ME4042	Advanced Materials	2019-20	Employability & Entrepreneurship: Understand how materials are classified based on atomic arrangement and behavior of materials in elastic and plastic regions. Identify the type of failures and also to perform fatigue test, different phases of iron and apply required heat treatment process for the industrial purposes.
M18BC3070	Advanced Molecular Techniques	2019-20	skill development and employability ,Employability & Entrepreneurship: Handle standard laboratory equipment, modern instrumentation & classical techniques to carry out experiments. Incorporates various techniques of molecular biology. Apply the principles and techniques of molecular biology for further education and/or employment in teaching, basic research, or the health professions.
BTCE16F7410	Advanced Prestressed Concrete	2019-20	Entrepreneurship, Employability and skill development and employability: To familiarize with the concept of prestressing application of prestressing techniques to different structural applications.
M19DS1052	Advanced Web Technologies	2019-20	Employability: Students are trained in advanced Web technology that is the establishment and use of mechanism that make it possible for different computers to communicate. You can also share resources or the building blocks of an effective computer networking system.
M19CS1080	Advanced Web Technologies Lab	2019-20	Employability: Students are trained in advanced Web technology that is the establishment and use of mechanism that make it possible for different computers to communicate. You can also share resources or the building blocks of an effective computer networking system.
M18CA3051	Advanced Web Technology	2019-20	skill development and employability, Employability: Students are provided with conceptual and practical knowledge to design a server side webpage by using perl scripting, design a server side webpage by using PHP, to use AJAX objects over normal HTML objects, to design a server side scripting by using SOAP architecture. This will enhance their employability skills.
M18PA3010	Aesthetics In Dance, Astanayika & Navarasa	2019-20	Employability, skill development and employability and entrepreneurship. This subject enables the students to gain knowledge in the aesthetics, art appreciation, Ashtanayikas and Navarasas. This would further enable them to choreograph their own pieces of dance.
M19DS2062	Agile Software Development	2019-20	Entrepreneurship: Student will learn about agile software development for Practice, Professional and ethical responsibilities in software engineering practices. Use knowledge in developing critical systems (such as missile guidance, tracking etc.,). Also employ various software process models in developing computational systems. Develop software requirements documentation for a given problem and use rapid software development strategies in developing software products.
BBBL15F9520	Air & Space Law	2019-20	Employability : This course traces the evolution of the air and space regulatory regime, its linkages with public international law and the various components of the regime. The students will develop an understanding of the major conventions, laws, legal rules and sources of the aviation sector.
B18CE4063	Alternative Building Materials	2019-20	skill development and employability, Entrepreneurship & Employability: To learn about the Different types of construction materials used in civil engineering. Different types of masonry used in building construction.

B18BJ4030	American Literature And Aspects Of Language	2019-20	Employability and skill development and employability: Students can enhance their art of creative non-fiction and can explore the structure and cultural function of language by composing persuasive prose and develop advanced critical thought. They can perform as facilitator, web content provider, information officer, Technical writer, Research Analyst and the role of teacher
B18EE3070	Analog Electronic & Digital Circuit Design Lab	2019-20	Employability and Skill Development: Knowledge of Analog circuit design helps to work as design engineer . The knowledge of designing of counters make the students employable in electronic circuit design industries.
B18EE3040	Analog Electronic & Digital Electronic Circuit Design	2019-20	Employability : Knowledge of Analog and digital circuit design helps to work as design engineer.
B18CS3020	Analog Electronic Circuits	2019-20	skill development and employability, Employability: Studenta are trained on Analog electronics are used at the edge of the digital world and deal with messy problems like converting light, sound and motion to and from digital signals.
B19EC2030	Analog Electronics	2019-20	Employability,skill development and employability:This course covers the design, construction, and debugging of analog electronic circuits. The main contents are: the basic principles of operation, terminal characteristics, and equivalent circuit models for diodes, transistors, and op-amps. Design and analysis of multistage analog amplifiers.
B19EM2030	Analog Electronics	2019-20	skill development and employability:This course will familiarize the students with the diode theory, Transistor biasing, design and analysis of amplifiers.
B19EM2080	Analog Electronics Lab	2019-20	Employability,skill development and employability: Students are performing the experiments for the theoretical concepts which are discussed in lectures
B19MT1020	Applied Chemistry	2019-20	skill development and employability: The concepts of chemistry with respect to Electrochemical cells, fuel cells, mechanism of corrosion inculcate confidence in students to examine practical aspects for furtherance. Acquire knowledge on industrially significant advanced engineering materials. Differentiate materials to make it most suitably to an application. Ascertain material selection for different engineering applications.
B19MT1080	Applied Chemistry Lab	2019-20	skill development and employability: Demonstrate the use of different types of instruments for analysis of materials for better accuracy and precision. Interpolate different types of titrations for quantitative estimations of materials.
B19MT2020	Applied Physics	2019-20	skill development and employability: Apply concept of Physics to analyze various physical phenomena used in wide range of engineering applications, fluid mechanics and its applications in real life problems.
B19MT2080	Applied Physics Lab	2019-20	skill development and employability: Extend skills to apply practical knowledge of Physics in real time solution. Interpret the most appropriate measuring instruments for evaluation of various parameters. Apply laws of hydrostatics in co relevance to practical considerations. Determine various properties of different materials to authenticate the accuracy of evaluation technique.
M19DS1040	Applied Statistics	2019-20	skill development and employability: Students are trained on applied Statistics that are the sets of mathematical equations that we used to analyze the things.
B18AR3010	Architectural Design - Ii	2019-20	Skill, Employability, Entrepreneurship: students are trained to Design a simple building for public activity.Students learn to work together in group as they conduct case studies and emphasize the relation between site, building and user requirements.
B18AR4010	Architectural Design -Iii	2019-20	Skill, Employability: students are trained to Design a simple building for public activity.Students learn to work together in group as they conduct case studies and emphasize the relation between site , building and user requirements.
BRAR15FX100	Architectural Design Thesis	2019-20	Skill, employability, entreneurship: students propose an architectural design project, conceive its requirements as per site and context after analysis and propose design solutions for the same. Individual choice of thesis topics along with research based special studies equip the students to independently handle design projects in future as architects.
B18CS4070	Arm Microcontroller And Iot Lab	2019-20	Employability: Students are trained to explain the basics of ARM Controllers, using of IoT components and Design and Develop of Internet-of-Things based applications.
B18CA4053	Artificial Intelligence	2019-20	skill development and employability, Employability: Students will learn to Apply knowledge of computing and mathematics appropriate to the discipline, Analyze a problem, identify and define the computing requirements appropriate to its solution, To design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs , Design efficient algorithm to achieve optimized solution in complex situation, Apply heuristic methodologies in state-space problems , Characterize various ways to represent the environmental knowledge and to infer from it, Design the adaptive mechanism in case of uncertainty , Implement learning algorithms to apply and resolve in real world problems.
M18CA3040	Artificial Intelligence	2019-20	skill development and employability, Employability: Students will learn to Apply knowledge of computing and mathematics appropriate to the discipline, Analyze a problem, identify and define the computing requirements appropriate to its solution, To design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs , Design efficient algorithm to achieve optimized solution in complex situation, Apply heuristic methodologies in state-space problems , Characterize various ways to represent the environmental knowledge and to infer from it, Design the adaptive mechanism in case of uncertainty , Implement learning algorithms to apply and resolve in real world problems.
M19DS2010	Artificial Intelligence	2019-20	Entrepreneurship, Employability: Students are familiarized to explain the basics of AI concepts. Trained to impement machine learning algoirhtms for intelligent applications. Also to perform evaluation of learning algorithms and model selection.
M18VP3032	Asic Design And Verification With System Verilog	2019-20	skill development and employability: To equip students with the fundamental concept of ASIC Design. Understand the various concepts such as full custom, semicustom ASIC Design styles. Knowledge of design cell library, back annotation will also be covered.
B18BC3030	Auditing & Corporate Governance	2019-20	Employability, Entrepreneursip and skill development and employability: This course is a conceptual theory wherein auditing and corporate governance mechanism are discussed and practical examples of auditing techniques and work programs and also real time corporate governance failures are used to illustrate the application of the theory to students.
BS17CB501	Aws And Azure Public Cloud	2019-20	skill development and employability, Employability: Students will learn have hands on knowledge on Amazon cloud, have hands on knowledge on Azure cloud
BS17CB505	Aws And Azure Public Cloud Lab	2019-20	skill development and employability, Employability: Students will learn have hands on knowledge on Amazon cloud, have hands on knowledge on Azure cloud
M18MB3412	Bank Management And Retail Banking Operations	2019-20	Employability , Entrepreneurship, skill development and employability: The students learn how tomanage the retail branch and management of banking. This will ensure a better functing of banks in coming days.
M18MB3414	Banking Related Laws And Practices	2019-20	Employability , Entrepreneurship, skill development and employability: students will be able to know the legal framework regulation that regulates the banking operations.
M19PA2042	Bharatanatyam Practical -5 (P5)	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.

B19BA2043	Bharathanatyam Practical-2	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18CA4040	Big Data Analytics Using R	2019-20	skill development and employability: Students learn to apply linear, integer programming to solve operational problem with constraints, transportation and assignment models to find optimal solution in warehousing and Travelling, prepare project scheduling using PERT and CPM, optimize concepts in real world problems.
M19CS2020	Big Data And Analytics	2019-20	Employability: Students are familiarized with data analytics that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
M19TCS2020	Big Data And Analytics	2019-20	Employability: Students are familiarized with data analytics that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
B5CB16F7200	Big Data Technologies On Google Cloud	2019-20	Entrepreneurship skill development and employability, Employability: Students learn and discover the Google Cloud Platform, learn the various aspects of Google cloud
M19DS2020	Bigdata & Analytics	2019-20	Employability: Students are familiarized with Big data analytics that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
M19CS2070	Bigdata & Analytics Lab	2019-20	Employability: Students are familiarized with data analytics that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
M19DS2070	Bigdata & Analytics Lab	2019-20	Employability: Students are familiarized with data analytics that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
M19TCS2040	Bigdata & Analytics Lab	2019-20	Employability: Students are familiarized with data analytics that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
B19BG2050	Biochemical Techniques	2019-20	Employability and skill development and employability: The student will learn hands on experience on using the various instrumentation to carry out the assays of biomolecules.
B19MC2030	Biochemistry & Microbiology	2019-20	Employability and skill development and employability: The student will understand the basic structures of carbohydrates, proteins, lipids, vitamins and diseases associated with them and also learn the basic tools in microbiology
B19MC2080	Biochemistry & Microbiology Lab	2019-20	Employability and skill development and employability: The student will get hands on experience on the basic tests of carbohydrates, proteins, lipids, vitamins and diseases associated with them and also learn the basic tools in microbiology
B19MT3060	Biochemistry_I_Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT4060	Biochemistry_II Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT3010	Biochemistry_III	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT5050	Biochemistry_III_Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT4010	Biochemistry_IV	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT6040	Biochemistry_IV_Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT5010	Biochemistry_V	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT6010	Biochemistry_VI	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT1040'	Biochemistry-I	2019-20	skill development and employability: Acquire basic concepts of chemistry, handling equipment, calculating molar concentrations, Safety rules in the practice of medical laboratory research, Ascertain collection and processing of biological specimen
B19MT2040'	Biochemistry-II	2019-20	skill development and employability: To acquire knowledge of biomolecules like carbohydrates, proteins, lipids, nucleic acids and vitamins and to understand their physical, chemical and biological properties
B18MC3030	Bioinformatics & Biostatistics	2019-20	Employability, Entrepreneurship, skill development and employability: The students will learn and cater services to the pharmaceutical industry. They can also start their own labs to cater the services to the society cater the drug design and development services and also can take up the higher studies
B18MC3090	Bioinformatics & Biostatistics Lab	2019-20	Employability, Entrepreneurship, skill development and employability: The students will learn and cater services to the pharmaceutical industry. They can also start their own labs to cater the services to the society cater the drug design and development services and also can take up the higher studies
M19BC20X0	Bioinformatics(Laboratory-VIII)	2019-20	skill development and employability: Analyze and solve biological problems, drug design using different soft wares, designing new softwares in the areas of Biotechnology, Pharmaceuticals and software fields. Draw the structures of complex molecules of chemical and biological origin. Employability: many opportunity is there in bioinformatics company, drug company and many
B18MC4030	Bioperl & Biopython	2019-20	Employability, Entrepreneurship, skill development and employability: The students will learn and cater services to the pharmaceutical industry. They can also start their own labs to cater the services to the society cater the drug design and development services and also can take up the higher studies
B18MC4070	Bioperl & Biopython Lab	2019-20	Employability, Entrepreneurship, skill development and employability: The students will learn and cater services to the pharmaceutical industry. They can also start their own labs to cater the services to the society cater the drug design and development services and also can take up the higher studies
B18MC3040	Biostatistics	2019-20	Employability and skill development and employability: The students will be acquainted with skill for the analysing the data by implementing various mathematical tools
B18MC4040	Biostatistics - II	2019-20	Employability and skill development and employability: The students will be acquainted with skill for the analysing the data by implementing various mathematical tools
M18BT3042	Biostatistics And Research And Methodology	2019-20	Employability, Skill development and Higher studies: the student will be employed various industries to make the statistical analysis of various parameters in the company. The student will also learn the systematic experimentation, Execution of the method, analysis of data and interpretation of data
M19CS2062	Block Chain Technology	2019-20	Employability: Students are familiarized with Blockchain technology that creates a viable, decentralised record of transactions – the distributed ledger – which allows the substitution of a single master database. It keeps an immutable record of all transactions, back to the originating point of a transaction.

M19DS2051	Block Chain Technology	2019-20	Employability: Students are familiarized with Blockchain technology that creates a viable, decentralised record of transactions – the distributed ledger – which allows the substitution of a single master database. It keeps an immutable record of all transactions, back to the originating point of a transaction.
M19CT1052	Bridge Engineering	2019-20	Skill, Employability: students are trained in designing of foundations for different type of foundations
B18CE4080	Building Drawing With Sketch Book And Through Cadd	2019-20	skill development and employability, Entrepreneurship & Employability: To learn about AUTOCAD drawing tools, drawing of 2D and 3D views.
M19CT1010	Building Planning And Design	2019-20	skill development and employability, Entrepreneurship & Employability: Preparation of drawings of building components Functional design of buildings (residential, public and industrial)
M19CT2030	Building Services	2019-20	Skill, Employability: students are trained in plumbing, sanitation and sewerage systems for use in architectural design
B19MT2030	C Programming	2019-20	skill development and employability: Explore basic aspects of computer programming, different Unix commands, their usage and their syntax; Interpret, compile and debug programs in C language.
B18MC1090	C Programming Lab	2019-20	Employability and skill development and employability : the student will learn the programming languages required to design the various drug molecules to identify the targets for binding the biomolecules.
B18SM1090	C Programming Lab	2019-20	skill development and employability: Understand various features in C language. Employability: Write, compile and debug programs in C language and design programs involving decision structures, loops and functions.
B19MT2090	C Programming Lab	2019-20	skill development and employability: Interpret the presentation of numbers, alphabets and other characters in the memory of computer System. Apply Software Development Tools, like Algorithms, Pseudo Codes and Programming Structures. Analyze, Integrate, Classify, Compare and Apply simple Data Structures, Pointers, Memory. Employability: Determine engineering solutions to simple (moderate) mathematical and logical problems using 'C' programming language. Analyze and Categorize the logical structure of a Computer Program, and apply different programming constructs to develop a computer program.
B19PS1090	C Programming Lab	2019-20	Employability and skill development and employability: Students learn analytical and programming skills essential to workplace success and occupational situations and also develop skills essentials to logical thinking.
B19MT1010	Calculus	2019-20	skill development and employability: Determine and solve first order ordinary differential equation. Elaborate the evaluation policy of some special functions like beta and gamma functions and their relation which is helpful to evaluate some definite integral arising in various branch of engineering.
B18BB3060	Career Planning & Development(Oe)	2019-20	Employability , Entrepreneurship: The students develop an operational understanding of the components involved in career development programs. The students acquire knowledge and understanding of the major career development theories and career decision-making models. The students become acquainted with the major career assessment instruments and techniques. This helps them to achieve better employability skills and develop entrepreneurial attitude as well.
B19BA2041	Carnatic Vocal Practical-2	2019-20	skill development and employability. The students who are going to major in Music will be taught the fundamentals of Music and their aspects.
B18BA5092	Carnatic Vocal(Oe)	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B18ME3180	Casting And Forging Lab	2019-20	Skill development and Employability: Illustrate the influence of Grain fineness of the silica sand used in the preparation of the mold. Determine the compression, shear, tensile strength & permeability of a molding sand for different proportion of clay. Create the sand mold cavity using cope & drag box with pattern or without pattern. Demonstrate the upsetting, drawing & bending operation in preparing the forged model.
B19BG1030	Cell Biology	2019-20	Employability, skill development and employability : The student will gain the knowledge, understanding about the basics of cells an implement the skills to maintain and observe the behaviour of cells.
B19BG1070	Cell Biology Lab	2019-20	Employability, skill development and employability : The student will gain the knowledge, understanding about the basics of cells an implement the skills to maintain and observe the behaviour of cells.
B19IT1020	Chemistry	2019-20	skill development and employability: The importance of electrodes and materials in designing a battery Corrosion phenomenon and precautions to be taken in the selection of materials in controlling corrosion Fabrication of PCB, an important component for electronic industries Properties of polymers and their applications in various field, also that of composite materials in sports, aviation etc.,
B18PC1040	Chemistry - I	2019-20	skill development and employability & Employability: To learn about atomic structure, basics of quantum chemistry and its applications. Theories of chemical bonding and molecular structure.
B18PC4040	Chemistry - Iv	2019-20	skill development and employability and Employability: Importance of noble gases and organometallic compounds. Functional groups in organic compounds. Kinetics of the reaction.
B19EC2090	Chemistry Lab	2019-20	Skill development and Employability: Students are performing the experiments for the theoretical concepts which are discussed in lectures
B19EM2090	Chemistry Lab	2019-20	Employability, skill development and employability: Students are performing the experiments for the theoretical concepts which are discussed in lectures
B19IT1080	Chemistry Lab	2019-20	skill development and employability: The importance of electrodes and materials in designing a battery Corrosion phenomenon and precautions to be taken in the selection of materials in controlling corrosion Fabrication of PCB, an important component for electronic industries Properties of polymers and their applications in various field, also that of composite materials in sports, aviation etc.,
B19EL2080	Chemistry Laboratory	2019-20	Skill development and employability: Knowledge of different analysis Methods
B18PC4080	Chemistry Practical - Iv	2019-20	skill development and employability and employability: This course help the students to acquire skills on various experiments like electrochemistry, chemical kinetics and thermometry.
B18PC1080	Chemistry Practical-I	2019-20	skill development and employability and employability: basic analytical skills with an emphasis on volumetric analysis. It also emphasizes the importance of organized and systematic approach in carrying out experiments
B19PC2090	Chemistry Practical-ii	2019-20	skill development and employability and employability: This course will help the students to analyze the functional group present in organic compound. Develop the skill of handling chemicals, glasswares, performing experiments.
B18PC3X10	Chemistry Practical-iii	2019-20	skill development and employability and employability: This course is intended to provide basic skills in qualitative analysis at the semi micro scale. It also emphasizes the importance of organized and systematic approach in carrying out experiments.
B19PC2040	Chemistry-ii	2019-20	skill development and employability: To help the students to understand the concepts of chemical bonding, aromaticity, stereochemistry of organic molecules, concept of liquid mixtures, Raoult's law and also helps in acquiring some skills like assigning R and S configuration etc..

B18PC3040	Chemistry-iii	2019-20	skill development and employability: nature of bonding in metal carbonyls, boron, halogens and its properties. Chemistry of non-metals. Stereochemistry, Basics of thermodynamics. Employability: Indicators, types of indicators, theories of indicators. Analysis of salt mixture. Identification and conformation of anions and cations.
M19EN2062	Childrens Literature	2019-20	skill development and employability: Understanding of rich heritage of India through Children literature in English and literature in English acquiring a character of its own with strong sense of nationalism, refines communication through literature and informational literacy too.
BBBL15F9100	Civil Procedure Code And Limitation Act	2019-20	Employability : The students learn to make reasoned choices in relation to the court where the suit is to be filed, the essential forms and procedure for institution of suit, the documents in support and against etc. The course also helps the students to interpret the statute of limitation that fixes a period within which a case has to be filed in addition to mastering the rules of pleading and trial.
M18PA3081	Classical Dance(Bharat Natyam)(Oe)	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BG1040	Classical Genetics	2019-20	Employability, skill development and employability : The student will gain the knowledge, understanding about the basics of cells an implement the skills to maintain, observe the behaviour of cells. study the inheritance patterns and the genetic diseases associated.
B19BG1080	Classical Genetics Lab	2019-20	Employability, skill development and employability : The student will gain the knowledge, understanding about the basics of cells an implement the skills to maintain and observe the behaviour of cells.
B18SM3060/B18PC3080/B18MC3070/B18PS3062	Classical Optimization(Oe)	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
BA.LB167400	Client Interviewing Counseling & Advocacy Skills	2019-20	skill development and employability : The course is designed to hone advocacy skills in the students with special focus on the skills of client interviewing. The course requires the students to bserve interviewing sessions of clients at the lawyer's office and record the proceedings and to further observe the preparation of documents and court papers by the advocate and the procedure for the filing of the suit or petition.
M18BC3042	Clinical Biochemistry And Diagnostics	2019-20	skill development and employability:The students can able to analyze and the handling of various biological samples like Whole Blood,plasma, Urine,Separation procedure and prrservation procedure..
B19MT2090'	Clinical Posting-ii	2019-20	skill development and employability, Employability and Entrepreneurship: Aquire knowledge on clinical diagnostics, Diagnostic laboratories in various departments in hospitals
B19MT1080'	Clinical Postings -I	2019-20	skill development and employability, Employability and Entrepreneurship: Aquire knowledge on clinical diagnostics, Diagnostic laboratories in various departments in hospitals
M18CA3061	Cloud Computing	2019-20	skill development and employability, Employability: Students learn to Compare the strengths and limitations of cloud computing, Identify the architecture, infrastructure and delivery models of cloud computing, Apply suitable virtualization concept, Choose the appropriate cloud player, Programming Models and approach.Address the core issues of cloud computing such as security, privacy and interoperability.
M19DS2043	Cloud Computing	2019-20	Employability: Students will get familiar with Cloud Computing concepts that facilitates the access of applications and data from any location worldwide and from any device with an internet connection.
B18BS4010	Cloud Computing Architecture & Design	2019-20	skill development and employability: Students are familiarized with the number systems, Boolean algebra and digital circuit design. They learn the working principles of various electronic circuits, transistor characteristics and its applications. They will compare different biasing methods of transistors and understand the working of amplifiers.
B18BS4080	Cloud Computing Architecture And Design Lab	2019-20	skill development and employability: Students are familiarized with the number systems, Boolean algebra and digital circuit design. They learn the working principles of various electronic circuits, transistor characteristics and its applications. They will compare different biasing methods of transistors and understand the working of amplifiers.
BSCB16F8110	Cloud Storage Using Open Stack Swift	2019-20	Entrepreneurship skill development and employability, Employability: Students learn the next generation storage i.e. Object based storage using OpenStack swift, Swift's concepts for organizing, distributing, and serving data, explore basic and advanced features of the Swift RESTful API, delve into Swift's many client libraries, including useful Python features, write middleware to customize and simplify your storage system, understand requirements for planning a Swift deployment—including your specific use case, learn options for coaxing the best performance from your cluster, get best practices for daily operations, such as monitoring and planning capacity additions
M18CA3090	Cn Lab Using Ns2	2019-20	skill development and employability, Employability: Students learn to Estimate the functionalities needed for data communication into layers , Understand the working principles of various application protocols
M18MB3614	Communicative Design & Writing	2019-20	skill development and employability, Employability, Entrepreneurship: Creativity in communication
B19BB1010	Communicative English	2019-20	skill development and employability: Students are made to be familised with concepts of wide scope of use and application to life, it also helps to construct effective written message in various formats and styles and inculcate the habit of reading and writing.
B19BB2010	Communicative English	2019-20	skill development and employability: Students are made to be familised with concepts of wide scope of use and application to life, it also helps to construct effective written message in various formats and styles and inculcate the habit of reading and writing.
B19BC1010	Communicative English	2019-20	skill development and employability: Students are made to be familised with concepts of wide scope of use and application to life, it also helps to construct effective written message in various formats and styles and inculcate the habit of reading and writing.
B19BH1010	Communicative English	2019-20	skill development and employability: Students are made to be familised with concepts of wide scope of use and application to life, it also helps to construct effective written message in various formats and styles and inculcate the habit of reading and writing.
B19CH1010	Communicative English	2019-20	Employability and skill development and employability: Students learn reading, writing, listening and presentation skills essential to workplace success and occupational situations and also develop skills essentials to informational literacy and critical analysis.
B19JP1011	Communicative English	2019-20	skill development and employability: Students learn efficient writing skills and grammar that would inturn help them in better conversations and presentation skills
B19BA1020	Communicative English - I	2019-20	skill development and employability . This subject delivers formal and nformal oral presentations and also would enable the students to construct effective written messages in various formats and styles.
B19CA1020	Communicative English - I	2019-20	skill development and employability: Students develop English language skills.
B18MC4020	Communicative English li	2019-20	skill development and employability and employability : The student will be acquainted with good communication skills and vocabulary required for the student face the interviews.
B19CA2020	Communicative English li	2019-20	skill development and employability: Students develop language skills.
B19CH2010	Communicative English li	2019-20	skill development and employability,Entrepreneurship & Employability: Students are expected to prepare simple solids and sectional views drawings using Auto CAD software. Students are expected to prepare isometric projections, 3D models and 2D multi-view drawings from 3-D model using Auto CAD software.

B18PC4020	Communicative English - II	2019-20	skill development and employability : Develop basic communication skills in English for the learners of Bachelor of Science, prioritize listening and reading skills among the learners and simplify writing skills needed for academic as well as workplace context. Employeeability: Interpret audio files and comprehend different spoken discourses/ excerpts in different accents (Listening Skills) and demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills).
B18SM4020	Communicative English - II	2019-20	skill development and employability: Prepare the students to become successful professionals by enhancing their communicative skills, develop the grammatical base of the students which would serve them in the long run and equip the students to form a strong command over vocabulary. Employeeability: Develop professional communicative skills, apply their acquired grammatical knowledge in broader spheres of linguistic usage and Utilize their communicative skills in multiple area as of practical existence.
B18PS4020	Communicative English -II	2019-20	skill development and employability and employability : The student will be acquainted with good communication skills and vocabulary required for the student face the interviews.
B18MC3020	Communicative English-I	2019-20	skill development and employability and employability : The student will be acquainted with good communication skills and vocabulary required for the student face the interviews.
B18PC3020	Communicative English-I	2019-20	skill development and employability : Develop basic communication skills in English for the learners of Bachelor of Science, prioritize listening and reading skills among the learners and simplify writing skills needed for academic as well as workplace context. Employeeability: Interpret audio files and comprehend different spoken discourses/ excerpts in different accents (Listening Skills) and demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills).
B18PS3020	Communicative English-I	2019-20	skill development and employability and employability : The student will be acquainted with good communication skills and vocabulary required for the student face the interviews.
B18SM3020	Communicative English-I	2019-20	skill development and employability: Acquire a functional use of language in context, equip students to deliver formal and informal oral presentations to a variety of audiences in multiple contexts and enable students to construct effective written message in various formats and styles. Inculcate the habit of reading and writing leading to effective and efficient communication. Employeeability: Demonstrate ethical and political responsibilities in taking cognizance of issues relating to society, environment and media. Develop a process oriented approach to writing. Make use of grammatical skills developed during the course aptly. Utilize the target language effectively to focus on interpersonal skills and develop a good command over the language.
B19BJ1020	Communicative English-I	2019-20	skill development and employability: Students learn efficient writing skills and grammar that would <u>inturn help them in better conversations and presentation skills</u>
B19BA2020	Communicative English-II	2019-20	skill development and employability . This subject delivers formal and nformal oral presentations and also would enable the students to construct effective written messages in various formats and styles.
B19BJ2020	Communicative English-II	2019-20	skill development and employability: Students learn efficient writing skills and grammar that would <u>inturn help them in better conversations and presentation skills</u>
B19JP2011	Communicative English-II	2019-20	skill development and employability: Students learn efficient writing skills and grammar that would <u>inturn help them in better conversations and presentation skills</u>
B18BB4212	Compensation Management	2019-20	Employability: Students learn the concepts, process and methods of performance appraisal and compensation management. They understand the process of payroll fixing and administration, approaches of compensation management and the challenges faced in effective performance appraisal and compensation management. and the context of compensation practices followed in the Organization. The students develop employability skills in performance and compensation management.
B18BC4412	Compensation Management	2019-20	Employability and skill development and employability: A project management report is a summary overview of the current status of the project. It is a formal record of the state of a project at a given time. Depending on the size and complexity of your project, the project management report may be required weekly or monthly. It is provided to all project stakeholders to help keep them up to date on the progress of the project and any pressing challenges the project may be facing. It helps students in <u>getting employed</u>
M18MC4340	Compensation Management And Employee Welfare Laws	2019-20	Employability and skill development and employability: A project management report is a summary overview of the current status of the project. It is a formal record of the state of a project at a given time. Depending on the size and complexity of your project, the project management report may be required weekly or monthly. It is provided to all project stakeholders to help keep them up to date on the progress of the project and any pressing challenges the project may be facing. It helps students in <u>getting employed</u>
M19CT2020	Composite Materials	2019-20	Entrepreneurship, Employability and skill development and employability: To learn about composite materials its classification and applications. To learn about anisotropic elasticity and laminates
B19EM2070	Computer Aided Engineering Drawing	2019-20	Employability/ Entrepreneurship/ skill development and employability: This course is designed to introduce the student to the basic concepts and standard practices necessary for the graphical communication of technical data which includes the reading, interpretation and creation of engineering drawings, technical sketching and introduction to computer-aided drafting
B19MT1040	Computer Aided Engineering Drawing	2019-20	skill development and employability: Express component descriptions as per the commonly practiced standards. Explain the difference of 2D and simple 3D drawings. Employability: Review industry specific drawings. Classify through computer aided drawing any Objects/tools/instruments /elements/ structures belonging to the entire engineering field. Explore simple clear and illustrative drawings as per <u>existing standards conversations</u>
B19IT2060	Computer Aided Engineering Drawing Lab	2019-20	skill development and employability: Express component descriptions as per the commonly practiced standards. Explain the difference of 2D and simple 3D drawings. Employability: Review industry specific drawings. Classify through computer aided drawing any Objects/tools/instruments /elements/ structures belonging to the entire engineering field. Explore simple clear and illustrative drawings as per <u>existing standards conversations</u>
B19EC2070	Computer Aided Engineering Drawing(I)	2019-20	Employability/ Entrepreneurship/ skill development and employability: This course is designed to introduce the student to the basic concepts and standard practices necessary for the graphical communication of technical data which includes the reading, interpretation and creation of engineering drawings, technical sketching and introduction to computer-aided drafting
B18AR3070	Computer Applications In Architectural Design - I	2019-20	Skill, Employability: Students are equipped with a range of digital tools and techniques in drafting, 3D modeling
B18AR4070	Computer Applications In Architectural Design - II	2019-20	Skill, Employability: Students are equipped with a range of digital tools and techniques in drafting, 3D modeling
B18BC3050	Computer Applications In Business	2019-20	skill development and employability: Students are familiarized with the number systems, Boolean algebra and digital circuit design. They learn the working principles of various electronic circuits, transistor characteristics and its applications. They will compare different biasing methods of transistors <u>and understand the working of amplifiers.</u>
B18CH3060	Computer Applications In Business	2019-20	skill development and employability: Students are familiarized with the number systems, Boolean algebra and digital circuit design. They learn the working principles of various electronic circuits, transistor characteristics and its applications. They will compare different biasing methods of transistors <u>and understand the working of amplifiers.</u>

B19BB2060	Computer Applications In Business	2019-20	Employability, skill development and employability,Entrepreneurship: The students will apply basic computer knowledge in their day to day activity.
B18EC3062	Computer Architecture	2019-20	skill development and employability:This course familiarises the students to concepts of computer system architecture. The course also expose the students interface I/O devices and hierarchical memory system.
B19EL1040	Computer Concepts & Programming Language C++	2019-20	Skill development and Employability: The knowledge of C and C++ concepts provides placements in software industries.
B19EM1050	Computer Concepts And C Programming	2019-20	Employability/ Entrepreneurship/ skill development and employability:This course covers the use of major portions of the C programming language: variables, expressions, and statements; program modularization through functions, macros, and blocks; control structures; representation of numeric and textual data using scalar and structured data types; and operating system interfaces to files and other services.
B18CA3020	Computer Networks	2019-20	skill development and employability, Employability: Students learn to Propose efficient, cost effective, reliable and appropriate technology to establish communication links. Design an enterprise network employing the common LAN technologies and be able to evaluate the advantages and disadvantages. Configure a PC to work as a host in a TCP/IP network and to use the IP based command to facilitate the trouble shooting process. Describe the technical issues related to the Wide Area Networks and identify the common technologies available in establishing WAN infrastructure.
M18CA3020	Computer Networks	2019-20	skill development and employability, Employability: Students learn to Propose efficient, cost effective, reliable and appropriate technology to establish communication links. Design an enterprise network employing the common LAN technologies and be able to evaluate the advantages and disadvantages. Configure a PC to work as a host in a TCP/IP network and to use the IP based command to facilitate the trouble shooting process. Describe the technical issues related to the Wide Area Networks and identify the common technologies available in establishing WAN infrastructure.
M19DS2030	Computer Vision	2019-20	skill development and employability, Employability: Students are trained on Computer Vision that comprehends the natural world through images, image sequences, and films and reconstructs its properties, such as shape, illumination, and color distributions.
M19DS2080	Computer Vision Lab	2019-20	skill development and employability, Employability: Students are trained on Computer Vision that comprehends the natural world through images, image sequences, and films and reconstructs its properties, such as shape, illumination, and color distributions.
M19CT1040	Concrete Construction Technology	2019-20	Skill: students are Introduced to drafting, techniques of graphic representations, basic building elements, materials
B18CE3050	Concrete Technology	2019-20	skill development and employability,Entrepreneurship & Employability: To learns about properties, manufacture and tests on concrete, to learn about durability of concrete
M18PH3082	Condensed Matter Physics Lab	2019-20	skill development and employability: This course exposes the students to use experimental probes to try to discover new properties of materials and helps the students to conduct research related to this field
M18PH2030	Condensed Matter Physics(General)	2019-20	skill development and employability: Students will be familiarized with crystals, Photoluminescence, Electroluminescence Mechanisms and are able to design semiconductor devices.
M18PH2052	Condensed Matter Physics-I	2019-20	skill development and employability: Students will be familiarized with crystals, Photoluminescence, Electroluminescence Mechanisms and are able to design semiconductor devices.
BR17AR5082	Conservation	2019-20	Skill, employability: Students are trained in the basic concepts and issues related to conservation. They develop an Understanding and appreciation of conservation in terms of issues, case studies and innovative solutions
B19BG1060	Constitution Of India	2019-20	skill development and employability : student will learn about the constitution and the power and rights of a good citizen and also explore various avenues where the skills can be implemented
B18AL4040	Constitutional Law - ii	2019-20	Employability, Entrepreneurship : The course is a study in the fundamentals of Constitutionalism, the branches of government, Constitutional Institutions and their interrelationships and the importance of judicial interpretations in unravelling the dynamics of institutional interrelationship in our country. It seeks to develop a range of appropriate legal skills for budding lawyers and introduce students to a range of intellectual perspectives, ideas and traditions that have influenced the development of Constitutionalism in India.
B18BL4040	Constitutional Law -ii	2019-20	Employability, Entrepreneurship : The course is a study in the fundamentals of Constitutionalism, the branches of government, Constitutional Institutions and their interrelationships and the importance of judicial interpretations in unravelling the dynamics of institutional interrelationship in our country. It seeks to develop a range of appropriate legal skills for budding lawyers and introduce students to a range of intellectual perspectives, ideas and traditions that have influenced the development of Constitutionalism in India.
M19CT1020	Construction Methods And Equipment	2019-20	Skill: students are Introduced to drafting, techniques of graphic representations, basic building elements, materials
BTCE16F7320	Construction Chemicals And Special Concretes	2019-20	skill development, Entrepreneurship & Employability: To learns about properties, manufacture and tests on concrete, to learn about durability of concrete
M19CT2010	Construction Costing And Financial Management	2019-20	Employability - It will prvide provide an understanding of the international economic and financial environment. It helps them to evaluate international projects and capital budgeting
BTCE16F7540	Construction Equipments	2019-20	Employability and skill development: List various equipments using in construction technologies.
BRAR15FX200	Construction Management	2019-20	Skill, employability, entrepreneurship: students are introduced to basics of construction project management, network analysis, PERT and CPM. This knowledge equips them to carry out construction projects in a timely and efficient manner.
M19CT1070	Construction Materials Lab	2019-20	skill development and employability,Entrepreneurship & Employability: Tests on cement: Normal Consistency, Setting time, Specific gravity of cement, Soundness by Autoclave method, Air permeability test for fineness. Tests on fresh concrete: Workability by Slump, Compaction factor and VeeBee tests.
M19CT2051	Construction Planning And Control	2019-20	Skill, Employability: students are trained in planning and design of structures.
B18CE4061	Construction Project Management	2019-20	skill development and employability,Entrepreneurship & Employability: To learn about the construction planning and management by PERT and CPM
M19CT2070	Construction Software Lab	2019-20	Entrepreneurship, skill development and employability: To learn to handle construction management requirements effectively
B18BC4512	Consumer Behavior	2019-20	Entrepreneurship, Employability - It will familiarize the students about the different aspects of Consumer behaviour prospects
B18BB4312	Consumer Behaviour	2019-20	Employability , Entrepreneurship: The students get exposed to concept of brands and various theories of branding. It helps them to develop an understanding towards how to make something into an experience so customers develop a favourable attitude towards coompay's offering.
B18BA5090	Contemporary Dance(Oe)	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B18EC4050	Control Systems(I)	2019-20	skill development and employability:This course introduces the students to system modeling, system response, time domain and frequency domain behavior of a system

B19CH2040	Corporate Accounting -I	2019-20	Employability and skill development and employability: This course covers the characteristics of the accounting environment and its financial reporting requirements for companies, and expands on advanced financial accounting issues, such as, accounting for liabilities and owners' equity, and provides a comprehensive coverage of consolidation issues.
B18BC3020	Corporate Accounting II	2019-20	Employability and skill development and employability:enhances the students skills in analysing the various aspects of corporate accounting and guides in the practical applicability of various methods in <u>dealing with corporate accounting</u> .
B18CH3010	Corporate Accounting II	2019-20	Employability and Entrepreneurship: This course examines the concepts and procedures underlying the development of a cost accounting system for managerial decisions, control, and performance reporting.
B18BB4111	Corporate Financial Policy	2019-20	Employability: The course provides a strong foundation for corporate finance. The students learn about the decisions that the firm takes on investment, financing and dividend distribution
B18BC4211	Corporate Financial Policy	2019-20	Employability and skill development and employability: which helps the students in analysing the cost of capital and the need for corporate financial policies and practices and the ways to adopt it in the <u>business</u> .
B18BB3010	Cost Accounting	2019-20	Employability : It enable the students to understand cost accounting concept and objectives, and in depth a study of cost accounting systems and accumulation procedures and search into the elements of materials labour and factory over head cost. It also helps to analysis basic cash flow model and able <u>assign costs in a job cost system</u> .
B18BC3010	Cost Accounting	2019-20	Employability and skill development and employability:enable the students to grasp the fundamentals of cost accounting and the tools Material Cost and Labour cost, Process cost help the students if they <u>are placed in any factory as an cost accountant</u> .
B18BH4010	Cost Accounting	2019-20	Employability : It enable the students to understand cost accounting concept and objectives, and in depth a study of cost accounting systems and accumulation procedures and search into the elements of materials labour and factory over head cost. It also helps to analysis basic cash flow model and able <u>assign costs in a job cost system</u> .
B18CH3020	Cost Accounting	2019-20	Employability and Entrepreneurship: This course examines the concepts and procedures underlying the development of a cost accounting system for managerial decisions, control, and performance reporting.
MPA17F3910	Creative Expressions- Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance <u>the personal pressure and workpressure</u> .
BBHO16F5E11	Creativity Innovation And Entrepreneurship	2019-20	Employability , Entrepreneurship: To familiarize students with the decisions involved in running a firm and the concepts & principles for making those decisions to make it go further.
BBBL15F9540	Criminology	2019-20	Employability : The students get to familiarise themselves with the core issues in criminology and additionally, students are provided specialist understanding of criminal policies including theories of punishment, their supposed philosophical and sociological justifications and the problem of exercise of <u>discretion in sentencing</u> .
M18EN4010	Critical Theories II	2019-20	skill development and employability: Students learn to interpret, analyze and evaluate literary texts
M18MB4111	Customer Relationship Management	2019-20	skill development and employability, Employability, Entrepreneurship: Students will learn the strategies of CRM
M18CA4052	Cyber Law And It Security	2019-20	skill development and employability, Employability: Sudents learn the basics of Big Data, the role and use of Big Data in various relevant industries, various tools and techniques used with big data, various types of Big Data Analytics, variety of data analysis tools, data aggregations using pivot tables, <u>Represent data visually using pivot charts</u> .
M19CS2080	Cyber Security Lab	2019-20	Employability: Students are familiarized with Cybersecurity that is important because it encompasses everything that pertains to protecting our sensitive data, personally identifiable information (PII), protected health information (PHI), personal information, intellectual property, data, and governmental and industry information systems from theft and damage attempted
B19BG2040	Cytogenetics	2019-20	Employability, skill development and employability : The student will gain the knowledge, understanding about the basics of cells and implement the skills to check the cells at chromosomal level, observe the behaviour of cells, study the inheritance patterns and the genetic diseases associated.
B19BG2090	Cytogenetics Lab	2019-20	Employability, skill development and employability : The student will gain the knowledge, understanding about the basics of cells and implement the skills to check the cells at chromosomal level, observe the behaviour of cells, study the inheritance patterns and the genetic diseases associated.
M19EN2061	Dalit Literature And Aesthetics	2019-20	Employability: Students are familiarized with the core concepts underlying the interdisciplinary field of Dalit Literature and Aesthetics, introducing the ways in which the study social categories changes or shapes our understanding and addressing the culture, history and society.
B18AL3060	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance <u>the personal pressure and workpressure</u> .
B18BL3060	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance <u>the personal pressure and workpressure</u> .
B18CE4100	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance <u>the personal pressure and workpressure</u> .
B18EC3X10	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance <u>the personal pressure and workpressure</u> .
B18EE4X10	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance <u>the personal pressure and workpressure</u> .
B19BB1080	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance <u>the personal pressure and workpressure</u> .
B19BC1080	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance <u>the personal pressure and workpressure</u> .
B19BG2070	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance <u>the personal pressure and workpressure</u> .
B19BH1080	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance <u>the personal pressure and workpressure</u> .
B19BJ2070	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance <u>the personal pressure and workpressure</u> .
B19BS1070	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance <u>the personal pressure and workpressure</u> .

B19CA2070	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19CH1080	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19IT2120	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19JP2050	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19MC2070	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19MT2070	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19MT2X10	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19PC2070	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19PS2070	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19SM2070	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M18DC3400	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M18PH2060	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M18VL3040	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M19CA1070	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M19MS1070	Dance	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M18PA4010	Dance And Music In Temples	2019-20	Employability, skill development and employability and entrepreneurship. This subject will teach the students the nuances of dance and music in temples of india. The student will also learn the history of the evolution of dance and music through tenoles
B18BS3040	Data Mining & Data Warehousing	2019-20	skill development and employability, Employability: Students learn the various concepts behind data warehousing, business intelligence and Data mining principles. They also study various Data Mining techniques like Association, Classification and Clustering. This enhances their employability skills.
B18CA4010	Data Mining & Data Warehousing	2019-20	skill development and employability, Employability: Students learn the various concepts behind data warehousing, business intelligence and Data mining principles. They also study various Data Mining techniques like Association, Classification and Clustering. This enhances their employability skills.
M18CA3010	Data Mining And Data Warehousing	2019-20	skill development and employability, Employability: Students learn the various concepts behind data warehousing, business intelligence and Data mining principles. They also study various Data Mining techniques like Association, Classification and Clustering. This enhances their employability skills.
M19DS1061	Data Privacy	2019-20	Employability: Students will be familiarized on the Data privacy that has always been a important role in everyone's life. A single company may possess the personal information of millions of customers—data that it needs to keep private so that customers' identities stay as safe and protected as possible and the company's reputation remains untarnished.
M19CS1061	Data Science Using R	2019-20	Employability: Students are familiarized with data science using R that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
M19DS1030	Data Science Using R	2019-20	Employability: Students are familiarized with data science using R that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
M19DS1080	Data Science Using R Lab	2019-20	Employability: Students are familiarized with data science using R that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
B19CA2040	Data Structures Using C	2019-20	skill development and employability, Employability: The course provides insight into data storage and structures which plays a vital role in employability. Students are familiarized with the syntax and semantics of memory management in C. They are also introduced with the fundamental concepts of primitive data structures in C, like queues, stacks, linked lists and binary trees.
B19EL2090	Data Structure Lab Using C++	2019-20	skill development and employability and Employability: The knowledge of C and C++ concepts provides placements in software industries.
B19EL2040	Data Structure Using C++	2019-20	skill development and employability and Employability: The knowledge of C and C++ concepts provides placements in software industries.
B18CS3040	Data Structures	2019-20	skill development and employability: Students are trained to design or select an appropriate data structures and algorithm for a particular problem. Also to measure the performance behavior of various programs.
B19MC2X10	Data Structures Lab	2019-20	Employability and skill development and employability : the student will learn the programming languages required to design the various drug molecules to identify the targets for binding the biomolecules.
B19PS2X10	Data Structures Lab	2019-20	skill development and employability, Employability: The course provides insight into data programming skills which deals with storage and structures which plays a vital role in employability. Students learn to handle data structures like queues, stacks, linked lists and binary trees using C programming.
B19SM2X10	Data Structures Lab	2019-20	skill development and employability: Write programs using function-oriented design principles and solve problems using data structures such as linear lists, stacks, queues, trees. Employability: Write efficient program to implement any data structure.
B19MC2050	Data Structures Using C	2019-20	Employability and skill development and employability : the student will learn the programming languages required to design the various drug molecules to identify the targets for binding the biomolecules.

B19PS2050	Data Structures Using C	2019-20	Employability and skill development and employability : the student will learn the programming languages required to design the various drug molecules to identify the targets for binding the biomolecules.
B19SM2050	Data Structures Using C	2019-20	Employability and skill development and employability : the student will learn the programming languages required to design the various drug molecules to identify the targets for binding the biomolecules.
M19CA2070	Data Structures Using C/C++ Lab	2019-20	skill development and employability, Employability: The course provides insight in the C++ programming language . They are introduced with the fundamental concepts of Classes, Objects and Inheritance, polymorphism in C++.
B18EC4062	Data Structures Using C++	2019-20	Skill development and employability:This course introduces the students to provide insights into the basic concepts of data structures and algorithms, stacks, queues, lists, and Trees.
B18CS4060	Database Management System Lab	2019-20	skill development and employability, Employability: Students are acquired knowledge to design database schemas. To design ER diagrams for given data models. To develop database applications for industrial projects.
M18MS3022	Deep Learning Techniques	2019-20	skill development and employability, Employability: Students learn the foundation of neural networks and deep learning, Formulate deep networks for different applications, Demonstrate different deep learning architectures, Validate deep learning techniques in object recognition and computer vision.
BSCB16F7100	Deployment & Management Of Private Cloud	2019-20	Entrepreneurship skill development and employability, Employability: Students learn to deploy a OpenStack private cloud with high availability, install and configure a Private cloud using Microsoft System Centre Product using Microsoft Hyper-v 2012 server virtualization backend, implement and manage open stack.
BSCB16F7700	Deployment & Management Of Private Cloud Lab	2019-20	Entrepreneurship skill development and employability, Employability: Students learn to deploy a OpenStack private cloud with high availability, install and configure a Private cloud using Microsoft System Centre Product using Microsoft Hyper-v 2012 server virtualization backend, implement and manage open stack.
M18PA3030	Desi Traditions Medieval Texts On Dance	2019-20	Employability, skill development and employability and entrepreneurship. This subject will teach the students the evolution of indian classical dances from the marga and the desi. It will also teach the students the rich repository of textual traditions in dance and also give a hands on experience through assignments.
B18BS4030	Design & Analysis Of Algorithms	2019-20	skill development and employability, Employability: Students learn the following skills which enhances their employability opportunities. Understand the fundamental principles underlying algorithm analysis and design and be able to apply them in specific instances. Understand Asymptotic notations and apply them to simple methods, including methods that utilize complex loops and recursion; Analyze run-time execution of previous learned sorting methods, including selection and merge sort; Implement and analyze insertion sort and Quick sort . Understand essential algorithm design techniques such as divide-and conquer, dynamic programming and the greedy methods and many of its applications.
B18CA3010	Design & Analysis Of Algorithms	2019-20	skill development and employability, Employability: Students learn the following skills which enhances their employability opportunities. Understand the fundamental principles underlying algorithm analysis and design and be able to apply them in specific instances. Understand Asymptotic notations and apply them to simple methods, including methods that utilize complex loops and recursion; Analyze run-time execution of previous learned sorting methods, including selection and merge sort; Implement and analyze insertion sort and Quick sort . Understand essential algorithm design techniques such as divide-and conquer, dynamic programming and the greedy methods and many of its applications.
M18CA4010	Design And Analysis Of Algorithms	2019-20	skill development and employability, Employability: Students learn the following skills which enhances their employability opportunities. Understand the fundamental principles underlying algorithm analysis and design and be able to apply them in specific instances. Understand Asymptotic notations and apply them to simple methods, including methods that utilize complex loops and recursion; Analyze run-time execution of previous learned sorting methods, including selection and merge sort; Implement and analyze insertion sort and Quick sort . Understand essential algorithm design techniques such as divide-and conquer, dynamic programming and the greedy methods and many of its applications.
BTCE16F8210	Design Of Bridges	2019-20	skill development and employability:To learn about the various types and components of bridges, IRC standards. To perform hydraulic design and structural design of substructures and foundations
BTCE16F5510	Design Of Earth Quak Resistant Structures	2019-20	Skill development and employability: To familiarize with causes of earthquake and its history to understand the principles of seismic design.
BTCE16F7310	Design Of Industrial Structures	2019-20	Entrepreneurship, Employability and skill development and employability: Is able to analyze and design the components of industrial buildings and is able to analyze and design transmission line towers for lateral load.
B18BA4050	Development Psychology	2019-20	Employability, skill development and employability and entrepreneurship. This subject will teach the students the importance of studying life span development and discuss the nature of development and distinguish between the biological processes, cognitive processes and social emotional processes.
BSCB16F7300	Devops	2019-20	Entrepreneurship skill development and employability, Employability: Students learn the DevOps culture and implement DevOps complete CI/CD pipeline, its principles and complete 360 degree picture on source control to code analysis to deployment, work on containerization , deploy and configure Jenkins
BSCB16F7800	Devops Lab	2019-20	Entrepreneurship skill development and employability, Employability: Students learn the DevOps culture and implement DevOps complete CI/CD pipeline, its principles and complete 360 degree picture on source control to code analysis to deployment, work on containerization , deploy and configure Jenkins
B18EC3030	Digital Electronics & Vhdl	2019-20	skill development and employability:This course introduces the students to Boolean laws and minimization techniques combinational and sequential logic. It also introduces the students to different styles of descriptions in HDLs.
B18EC3080	Digital Electronics & Vhdl Lab	2019-20	skill development and employability:This course introduces the students to Boolean laws and minimization techniques combinational and sequential logic. It also introduces the students to different styles of descriptions in HDLs.
B18CS3010	Digital Logic Design	2019-20	skill development and employability: Students are trained on digital logic circuit is defined as the one in which voltages are assumed to be having a finite number of distinct value. Types of digital logic circuits are combinational logic circuits and sequential logic circuits.
M18MB3612	Digital Marketing	2019-20	Employability and skill development and employability: Students learn the basic concept of digital information processing and making right decision. This will enhance their employability skills and will also make them a good manager.
BTEC15F6510	Digital Testing And Testable Design	2019-20	Employability/ Entrepreneurship/ skill development and employability: This course gives the skills on look at the challenges in Engineering problems to provide an effective and efficient solution in Testing to produce an acceptable product.
BTCE16F8240	Disaster Management And Mitigation	2019-20	skill development and employability:It enable students and citizens to recognize the increasing vulnerability of the planet in general and in India in particular to disasters.
M19CT2061	Disaster Reduction And Management	2019-20	skill development and employability:It enable students and citizens to recognize the increasing vulnerability of the planet in general and in India in particular to disasters.

B18BS3062	Discrete Mathematical Structures	2019-20	skill development and employability, Employability: Students learn the basic knowledge of set theory, functions and relations concepts needed for designing and solving problems. Acquire the knowledge of logical operations and predicate calculus needed for computing skill. Apply the acquired knowledge of graph theory to design discrete problems to be solved by computers. This will enhance their employability skills.
BBBL15F1010	Dissertation	2019-20	skill development and employability : This course is designed to improve the research and analytical skills of the students. The course is aimed at enabling the students to hone their skills as a researcher that would be of immense help in their career.
M18TE4020	Dissertation	2019-20	Entrepreneurship, Employability and skill development and employability
M18SE4020	Dissertation Phase-II	2019-20	Entrepreneurship, Employability and skill development and employability
M19CS1052	Distributed Computing	2019-20	Employability: Students are familiarized in Distributed Computing that can allow an application on one machine to leverage processing power, memory, or storage on another machine.
M19TCS1032	Distributed Computing	2019-20	Employability: Students are familiarized in Distributed Computing that can allow an application on one machine to leverage processing power, memory, or storage on another machine.
M19DS2053	Distributed File Systems	2019-20	skill development and employability: Students are trained in Distributed file systems that can be advantageous because they make it easier to distribute documents to multiple clients and they provide a centralized storage system so that client machines are not using their resources to store files.
M18JM3042	Documentary And News Production	2019-20	Employability and skill development and employability: Students learn the various levels of documentary production techniques and preparation of news packages for television and use them in their work place. They develop to analyze the process of pre-production, production, post-production and its steps.
BA.LB168200	Drafting Pleading And Conveyance	2019-20	Employability, Entrepreneurship : The students learn the concept of copyright, the legal regime for registration and enforcement of trademarks, the national and international response for protection of geographical indications and plant varieties and the rights associated with designs and integrated circuits and the defences available in cases of right infringement. The course also provides a comprehensive idea on 'patentable' inventions, 'novelty', 'non-obviousness' and 'industrial applicability' and the legal regime for patents, procedures for obtaining patents and remedies for patent infringement.
BBBL15F9300	Drafting Pleading And Conveyance	2019-20	Employability, Entrepreneurship : The students learn the concept of copyright, the legal regime for registration and enforcement of trademarks, the national and international response for protection of geographical indications and plant varieties and the rights associated with designs and integrated circuits and the defences available in cases of right infringement. The course also provides a comprehensive idea on 'patentable' inventions, 'novelty', 'non-obviousness' and 'industrial applicability' and the legal regime for patents, procedures for obtaining patents and remedies for patent infringement.
B19BA2042	Drama Practical-2	2019-20	skill development and employability. The students who are going to major in Music will be taught the fundamentals of drama and their aspects.
B18CE4100	Dramatics	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B18BA5091	Dramatics(Oe)	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
BTEC15F6420	Dsp Processor Architecture	2019-20	Employability, skill development and employability: Students are given with the exposure to identify the gap between DSP theory and DSP design, digital signal processing techniques, implementation of DFT & FFT algorithms by programming the DSP TMS320C54XX Processor. Analyze about interfacing of serial & parallel communication peripherals
B18CA3061	E-Commerce	2019-20	skill development and employability : Students gain Knowledge on the basic concepts and technologies used in the field of E-Commerce, E-Payment systems, Inter Organizational and Intra Organizational E-Commerce, Advertising and Marketing on Internet, Apply compression and decompression techniques and codec required for Video Conferencing, Follow ethics in the usage of Smart Card and Digital Token.
B18BC3060	E-Commerce(Oe)	2019-20	skill development and employability : Students gain Knowledge on the basic concepts and technologies used in the field of E-Commerce, E-Payment systems, Inter Organizational and Intra Organizational E-Commerce, Advertising and Marketing on Internet, Apply compression and decompression techniques and codec required for Video Conferencing, Follow ethics in the usage of Smart Card and Digital Token.
B19JP1040	Economics-I(Principles Of Micro Economics)	2019-20	skill development and employability: The role of prices in allocating scarce resources in market economies and explain the consequences of government policies in the form of price controls.
B19JP2040	Economics-II(Principles Of Macro Economics)	2019-20	skill development and employability: The role of prices in allocating scarce resources in market economies and explain the consequences of government policies in the form of price controls.
BTME16F8340	Electric Vehicles & Hybrid Vehicles	2019-20	Employability & Entrepreneurship:: Develop chassis and identify suitable engine for different applications. Formulate steering, braking and suspension systems. Select a suitable conventional and automatic transmission system. Employability: can work in automobile industries.
B19EL2050	Electrical & Electronic Instrumentation And Measurements	2019-20	Employability: The concepts of various measuring instruments provides knowledge of using various the instruments in the laboratories and also helps in writing competitive exams
B18EE3020	Electrical Circuit Theory	2019-20	Employability: This course introduces the students to concepts of electrical circuit analysis, mathematical and graphical representations electrical circuits, network theorems, transforms, and circuit resonance.
BTEE15F8302	Electrical Distribution System	2019-20	skill development and employability and Employability: Helps in planning and design of a distribution infrastructure with the help of optimization techniques involved.
B18EE4030	Electrical Machines II	2019-20	Employability: Student at UG level could develop the skills such as to read the specification and datasheets of various electrical machiner and to analyse the faults with the subject knowledge under different operating condition. student also would be eligible for direct recruitment by industries if they clear gate and they industry relevant exams. It would also build the students confidence and also build their presentation and communication skills as a technical person.
B18EE4070	Electrical Machines-I Laboratory	2019-20	Employability: Knowledge of testing of electrical machines helps to work in various process industries.
B19EL2030	Electrical Power Generation & Transmission	2019-20	Employability: Students are familiarised with the basic concepts of Electrical power generation and transmission . It throws light on various conventional and non-conventional sources and introduces fundamental concepts of substation, power plant structure and transmission scheme. It also introduces students with various types of insulators used in power system. These fundamental concepts will help them in further advanced electrical engineering courses and also help them in fetching jobs in public sectors.
BTEE15F8301	Electrical Power Quality	2019-20	Employability : It deals with the quality of power and improving methods of the same in transmission and distribution. Students can get into many PSUs like CPRI, BHEL, BEL, etc.,
M18PS3120	Electrical Safety(Oe)	2019-20	skill development and employability: The students will get to know the importance of use of safety gadgets, safe practices while working on electrical equipment, protection to avoid electrical hazards.

B18EE4062	Electricity Acts	2019-20	Employability: Student can gain awareness about various regulations, acts and rules such as electricity act, energy conservation act, work man act etc. This will help them to work in Power sector
B18PC4030	Electricity And Magnetism	2019-20	skill development and employability: Students learn to apply reasoning skills to model and solve problems related to electrostatics, magneto statics and analyse wave guides and Electromagnetic radiation by using concepts of electrostatics, magneto statics and Maxwell's equations
B18PS4030	Electricity And Magnetism	2019-20	skill development and employability: Students learn to apply reasoning skills to model and solve problems related to electrostatics, magneto statics and analyse wave guides and Electromagnetic radiation by using concepts of electrostatics, magneto statics and Maxwell's equations
M18PS3011	Electricity Regulations	2019-20	Employability and skill development and employability: Students gain knowledge of various Electricity acts,regulatory commission and Power trading which will help in their career.
M18PH3041	Electronics -II: Electronic Communication Systems	2019-20	skill development and employability: This course makes the students to understand and analyze frequency modulated communication systems, digital communication system and students learn to <u>construct various channel coding and decoding schemes</u>
M18PH3051	Electronics -III: Linear Integrated Circuits	2019-20	skill development and employability : Students learn to analyze and design waveform generation circuits, timer, analog and digital circuits using op-amps and various applications using op-amp
M18PH2051	Electronics-I:Digital Electronics	2019-20	skill development and employability and Employability: This course focuses the students to learn logic gates , digital circuits and programmable devices and to design logic gates , digital circuits and <u>programmable devices.</u>
B19EM1030	Elements Of Mechanical Engineering	2019-20	Employability,skill development and employability: Students are given with an introduction to sustainable design which includes sewage and water supply systems and different commutation facilities. Students are established with a broad concept of various types of turbines and internal <u>combustion engines</u>
B19EL1030	Elements Of Mechanical Engineering & Engineering Mechanics	2019-20	Employability: Knowledge of moment of inertia and mechanical forces are helpful for design engineers.
M18CSP4033	Embedded Computing	2019-20	Employability: Students are trained to explain the basics of embedded systems and design embedded <u>systems. Design and Develop Internet-of-Things based applications.</u>
B18CS4053	Embedded System Design	2019-20	Employability: Students are trained to explain the basics of embedded systems and design embedded <u>systems. Design and Develop Internet-of-Things based applications.</u>
M18EN4050	Employability Skills	2019-20	Employability and skill development and employability: Students learn the various aspects of the process of the recruitment in various companies. They develop the organizational skills through proper <u>training.</u>
B18BJ3060	Employability Skills -(Placement)	2019-20	Employability and skill development and employability: Students learn the various practical exposures through online courses. Students acquire the skill to learn, evaluate and use latest digital platform for <u>academic growth.</u>
B18BJ4060	Employability Skills-II (Placement)	2019-20	Employability and skill development and employability: Students learn the various aspects of the process of the recruitment in various companies. They develop the organizational skills through proper <u>training.</u>
BR17AR503	Energy Efficiency In Buildings	2019-20	Skill, Employability, Entrepreneurship: Students are trained to utilize passive design strategies. Students get an overview of green building rating systems and their significance. Students are trained to apply <u>the techniques learnt through software.</u>
M18PS1054	Energy Storage Technology	2019-20	Employability: By studying this course student will obtain the skill of storage technologies facilitates and its greater use of clean energy and transform the power grid into a dynamic network for supplying reliable and cost-effective electricity and also enables transportation electrification, which means huge reductions in fossil fuel dependence and greenhouse gas emissions. Students get employability in the field of electric vehicle, mining, technical and services
B19EL2020	Engineering Chemistry	2019-20	Employability: Students learn knowledge of corrosion, batteries, and nano materials help them in <u>higher education</u>
B19EM2020	Engineering Chemistry	2019-20	Employability,skill development and employability:The purpose of this course is to develop a strong foundation in the principles and methods to understand the properties in of the surface phenomenon, phase rule and alloys, advanced Engineering materials, fuels and analytical techniques.
B19MT2040	Engineering Mechanics	2019-20	skill development and employability: Explore the basics of Civil Engineering with regard to its scope of study. Comprehend the action of Forces, Moments and other loads on systems of rigid bodies. Compute the reactive forces and the effects that develop as a result of the external loads. Locate the Centroid and compute the Moment of Inertia of regular cross sections.
B19EL1020	Engineering Physics	2019-20	Skill development and Employability:Knowledge of LASER and Electrical and Electronic material <u>properties they can gain</u>
B19EM1020	Engineering Physics	2019-20	Employability,skill development and employability:Students are studying forces and motion, and the properties of matter and heat. Topics will include motion in one, two, and three dimensions, mechanical equilibrium, momentum, energy, rotational motion and dynamics, periodic motion, and <u>conservation laws.</u>
B19EM1090	Engineering Physics Lab	2019-20	Employability,skill development and employability: Students are performing the experiments for the <u>theoretical concepts which are discussed in lectures</u>
B18BA4040	English Literature & Facets Of Language-IV-Reading India	2019-20	skill development and employability. This subject introduces the framework of the different literary <u>genres.</u>
B19BA1060	English Literature & Language - I : British Literature(Chaucer To Pope) & Aspects Of Language	2019-20	skill development and employability. This subject introduces the framework of the different literary <u>genres.</u>
B19BA2050	English Literature & Language-II:British Literature(The Romantic Age) & Aspect Of Language	2019-20	skill development and employability.This subject enables the students to understand the context of the literary age and the genre focussed in the syllabus. It will also help the students to understand and <u>relate the british literature choronologically.</u>
B19BJ1050	English Literature(Chaucer - Pope) & Aspects Of Language-I	2019-20	Employability: Students are familiarized with the British intellectual tradition and are able to assess the creative responses to political, societal, religious and cultural changes that take place from the Middle <u>English period to the Augustan era.</u>
B19BJ2050	English Literature(The Romantic Era) & Aspects Of Language-II	2019-20	Employability: Students are familiarized with the British intellectual tradition and are able to assess the creative responses to political, societal, religious and cultural changes that take place from the pre- <u>Romantic era to the Modern era.</u>
B18BJ3030	English Literature(Victorian And Modern Ages) And Aspects Of Language -III	2019-20	Employability and skill development and employability: Students learn the various aspects of developmental Psychology from birth till death, usage of of the developmental psychological concepts in their daily lives. The concepts they learn are basic psychological concepts which they can also apply at work place. They also can understand themselves in each stage of developmet.
M19EN2010	English Literature-II(From Romantic Age To 20Th Century British Literature)	2019-20	Employability: Students are familiarized with the British intellectual tradition and are able to assess the creative responses to political, societal, religious and cultural changes that take place from the pre- <u>Romantic era to the Modern era.</u>

B18CA3063	Enterprise Resource Planning	2019-20	skill development and employability : Students build an understanding of the fundamental concepts of ERP systems, their architecture, and working of different modules in ERP, Learn various components of an application software that help computerize functioning of an enterprise such as sales, materials, production, financial , customer relationship AND supply chain modules, Provide a contemporary and forward - looking on the theory and practice of Enterprise Resource Planning Technology, Develop the basic understanding of how ERP enriches the business organizations in achieving a multidimensional growth.
B19BE2050	Entrepreneurial Competency Development	2019-20	Employability, skill development and employability,Entrepreneurship: The course develops the skills related to entrepreneurial activity.
B18BE3040	Entrepreneurial Lab	2019-20	Employability, skill development and employability,Entrepreneurship
M19BT2051	Entrepreneurship And Business Plan Presentation-I	2019-20	Entrepreneurship and skill development and employability : The student is equipped to learn the implementation of business ideas to cater the services in various industries
M19CT1062	Environmental Engineering And Management	2019-20	Skill, Employability: students are trained in Environmental effect and its management
B19BG2060	Environmental Science	2019-20	skill development and employability : The student will learn about our environment and develop skills to protect the environment by utilising the novel methods to prevent the pollution.
B19IT1050	Environmental Science	2019-20	skill development and employability: Analyze the environmental conditions and protect it. Find new renewable energy resources. Analyze the ecological imbalances and protect it. List the causes of environmental pollution. Design pollution controlled products.
B19JP1010	Environmental Science	2019-20	skill development and employability: Students learn Interdisciplinary - When encountering environmental problems and assess necessary scientific concepts and data, considering social dynamics, and establish integral cultural contexts.
B19MC2060	Environmental Science	2019-20	skill development and employability : The student will learn about our environment and develop skills to protect the environment by utilising the novel methods to prevent the pollution.
B19SM2060	Environmental Science	2019-20	skill development and employability:Graduates will be familiar with current and emerging environmental trends and global issues, and have an understanding of ethical and societal responsibilities. Acquire knowledge with respect to biodiversity, threats, conservation and appreciate the concept of ecosystem.Employeeability: Analyze the environmental conditions and protect it and Will observe the role of individual, government and NGO in environmental protection
B19EL2060	Environmental Sciences	2019-20	Employability: Creating awareness about the environment
B19EM2050	Environmental Sciences	2019-20	Employability,skill development and employability:This course will give the skills necessary to address the environmental issues we are facing today by examining scientific principles and the application of those principles to natural systems. This course will survey some of the many environmental science topics at an introductory level, ultimately considering the sustainability of human activities on the planet.
B18BA3020	Environmental Studies	2019-20	skill development and employability. This subject will teach the students the importance and the basics of environmental studies at the wake of this crisis hour.
B18BB3050	Environmental Studies	2019-20	skill development and employability
B18BE3060	Environmental Studies	2019-20	skill development and employability: students get an awareness of the environment and identify appropriate and effective ways to answer the problems of environmental concerns.
B18BH3060	Environmental Studies	2019-20	skill development and employability: students get an awareness of the environment and identify appropriate and effective ways to answer the problems of environmental concerns.
B19MT1050	Environmental Studies	2019-20	skill development and employability: Analyze the environmental conditions and protect it. Analyze the ecological imbalances and protect it. Employability: Will interpret the role of individual, government and NGO in environmental protection. Examine new renewable energy resources with high efficiency through active research. Discover the causes of environmental pollution & find ways to overcome them. Design pollution controlled products.
B19PC2060	Environmental Studies	2019-20	skill development and employability: To help the students to familiar with current and emerging environmental trends and global issues, and have an understanding of ethical and societal responsibilities.
B19PS2060	Environmental Studies	2019-20	skill development and employability: To help the students to familiar with current and emerging environmental trends and global issues, and have an understanding of ethical and societal responsibilities.
BTCE16F7700	Estimation, Costing And Valuation	2019-20	Employability & skill development: Students Manage Transition from Project idea to Operations and familiarize with the core concepts of project management. Students undertake preliminary appraisal analysis of the projects with minor complexities and scheduling of different activities in completion of a project. They gain the practical approach towards the estimation of project cost and managing of projects.
17JE504	European And Non European Writings-I	2019-20	Employability: Students are familiarized with the British intellectual tradition and are able to assess the creative responses to political, societal, religious and cultural changes that take place from the pre-Romantic era to the Modern era.
17JE604	European And Non European Writings-II	2019-20	Employability: Students develop literary sensibility and the course enhances the skills in the usage of creative writing
B18AL3030	Exploration Of Social Inequalities	2019-20	Employability : Students are exposed to classical and contemporary theories of inequality and stratification, particularly in areas structured along lines of caste, class, race and gender, data on the extent of social inequality and stratification in India and abroad. This course provides the students with a foundation for understanding social inequality in its multiple and intersectional forms.
B18BE4010	Family Business Management	2019-20	Employability, skill development and employability,Entrepreneurship: The course enable students to take up a established family business and innovate them by tools to enhance them.
BBHO16F6E12	Family Business Management	2019-20	Employability , Entrepreneurship: The students get exposed to concept of family business and various theories of Family business.
M18MD3010	Fatigue And Fracture Mechanics	2019-20	Employability & Entrepreneurship: The course is intended to impart the skills on fatigue loading, crack propagation and various crack models.
BTCE16F8100	Financial And Project Management	2019-20	Employability & skill development: Students Manage Transition from Project idea to Operations and familiarize with the core concepts of project management. Students undertake preliminary appraisal analysis of the projects with minor complexities and scheduling of different activities in completion of a project. They gain the practical approach towards the estimation of project cost and managing of projects.
B18CH4212	Financial Derivatives	2019-20	Employability, skill development and employability : Students Understand the different types of the financial derivatives and factors contributing for the growth of the derivatives in India
B18BC4020	Financial Management	2019-20	skill development and employability, Employability : The students understand the concepts and theories underlying financial management and able to evaluate the financial decisions and its implication for the shareholders and the company. Student able to competent to analyze and evaluate information for financial planning, control and decision making.
B18BL4010	Financial Management	2019-20	Employability, Entrepreneurship : The students learn the overall framework of financial decision making in a business unit with special focus on valuation of securities namely debentures, preference shares and equity shares, corporate dividend practices in India, security financing, loan financing, project financing and loan syndication
B18BH4112	Financial Markets & Services	2019-20	skill development and employability : It aims at providing the students, basic knowledge about the finance concepts, markets and various services provided in those markets. The syllabus is structured in a way which provides adequate information about the roles of intermediaries and its regulating bodies.

M18MC3270	Financial Markets And Services	2019-20	Employability & skill development and employability: Students learn how to take a decision between leasing, purchase and hire purchase decision and maximize the profitability of the business. They gain an understanding of key players of financial markets and basic knowledge about different types of financial markets and financial services available
BTCE16F7510	Finite Element Method Of Analysis	2019-20	Skill development: To understand the Basics in FEM
B18ME3040	Fluid Mechanics And Machinery	2019-20	Employability & Entrepreneurship: Utilize the properties of fluid and pressure concepts for various practical purposes. Find the stability and comfort conditions of the marine vehicles. Employability: Find the dependent and independent parameters for a model of fluid flow, analyze the model and prototype and also design the flow through pipes. Distinguish the laminar and turbulent flows, apply the knowledge of lift and drag forces in aerospace industries.
B19BA2071	Folklore Study-Folk Dance	2019-20	Skill development. This subject teaches the fundamental nuances of the Folk Dance and the different folk dances that are present all over the country with their history.
B19BA2072	Folklore Study-Folk Music	2019-20	Skill development. This subject teaches the fundamental nuances of the Folk Dance and the different folk music that are present all over the country with their history.
B19BA2073	Folklore Study-Folk Theatre	2019-20	Skill development. This subject teaches the fundamental nuances of the Folk Dance and the different folk theatre that are present all over the country with their history.
M18MC3550	Foreign Trade Management	2019-20	Employability, entrepreneurship: Students can critically examine the ability to critically examine the frame work of trade operations and justify the various methods of foreign exchange market.
M19CT2040	Foundation Design And Construction	2019-20	Skill, Employability: students are trained in designing of foundations for different type of structures and its importance
B19BA1070	Foundation Of Psychology	2019-20	skill development and employability. This subject demonstrates knowledge and the understanding of theory and research in the general domains of the Psychology.
B19BA2060	Foundations Of Psychology-II	2019-20	skill development and employability. This is a lab experience that the students would gain concerning the experiments that would be carried out to understand the psychology.
B18PC1020	Functional English - I	2019-20	skill development and employability : Develop basic communication skills in English for the learners of Bachelor of Science, prioritize listening and reading skills among the learners and simplify writing skills needed for academic as well as workplace context. Employability: Interpret audio files and comprehend different spoken discourses/ excerpts in different accents (Listening Skills) and demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills).
B18SM1020	Functional English - I	2019-20	skill development and employability : Develop basic communication skills in English for the learners of Bachelor of Science, prioritize listening and reading skills among the learners and simplify writing skills needed for academic as well as workplace context. Employability: Interpret audio files and comprehend different spoken discourses/ excerpts in different accents (Listening Skills) and demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills).
B19BG2020	Functional English - II	2019-20	skill development and employability and employability : The student will be acquainted with good communication skills and vocabulary required for the student face the interviews.
B18MC1020	Functional English I	2019-20	skill development and employability and employability : The student will be acquainted with good communication skills and vocabulary required for the student face the interviews.
B19BG1020	Functional English-I	2019-20	skill development and employability and employability : The student will be acquainted with good communication skills and vocabulary required for the student face the interviews.
B19PS1020	Functional English-I	2019-20	skill development and employability : Develop basic communication skills in English for the learners of Bachelor of Science, prioritize listening and reading skills among the learners and simplify writing skills needed for academic as well as workplace context. Employability: Interpret audio files and comprehend different spoken discourses/ excerpts in different accents (Listening Skills) and demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills).
B19MC2020	Functional English-II	2019-20	skill development and employability and employability : The student will be acquainted with good communication skills and vocabulary required for the student face the interviews.
B19PC2020	Functional English-II	2019-20	skill development and employability : Develop basic communication skills in English for the learners of Bachelor of Science, prioritize listening and reading skills among the learners and simplify writing skills needed for academic as well as workplace context. Employability: Interpret audio files and comprehend different spoken discourses/ excerpts in different accents (Listening Skills) and demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills).
B19PS2020	Functional English-II	2019-20	skill development and employability : Develop basic communication skills in English for the learners of Bachelor of Science, prioritize listening and reading skills among the learners and simplify writing skills needed for academic as well as workplace context. Employability: Interpret audio files and comprehend different spoken discourses/ excerpts in different accents (Listening Skills) and demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills).
B19SM2020	Functional English-II	2019-20	skill development and employability: Utilize the ability of using language skills effectively in real-life scenarios, develop the learners' competence in employability skills and improve the habit of writing, leading to effective and efficient communication. Employability: Organize their opinions clearly and meaningfully, demonstrate the ability to speak appropriately in social and professional contexts and build inferences from the text
BRAR16F7620	Fundamentals Of Landscape Design(Oe)	2019-20	Employability, Entrepreneurship & skill development and employability: Students are introduced to fundamental principles and drawing skills to enable them to carryout small scale landscape design projects.
B19BG1050	General Biochemistry-I	2019-20	Employability and skill development and employability : The student will learn the skills to implement in daily life by learning the basic biochemical pathways and their implementation in human health
B19BG1090	General Biochemistry-I Lab	2019-20	Employability and skill development and employability : The student will learn the skills hands on and implement in daily life by learning the basic biochemical pathways and their implementation in human health
B19BG2030	General Microbiology	2019-20	Employability and skill development and employability : the student will learn and understand the importance of Microbiology in day to day life and also implement innovative ideas to use the Micro
B19BG2080	General Microbiology Lab	2019-20	Employability and skill development and employability : the student will learn and understand the importance of Microbiology in day to day life and also implement innovative ideas to use the Micro
M18PH2080	General Physics Lab-II	2019-20	skill development and employability and Employability: This course makes the student to explore and the fundamental physics behind many scientific discoveries through hands on experience and employ the different tools and techniques to get the data/readings related to the experiment

M18BC3080	Genetic Engineering Lab	2019-20	Skill developmen: Describe techniques involved in genetic engineering and apply this technology to combine genetic material from two different species, Diagnose the alternation of an organism's genetics, or hereditary material to eliminate undesirable characters or to produce desirable characters. Employability: Create opportunity in research lab, molecular biology testing lab and company
M18MB3611	Global Business Environment	2019-20	Employability, skill development and employability,: Students are introduced to various strategies adopted by the companies to run their business sucessfully and students also learn the skills to decipher and develop strategies for business.They analyse through various case studies and group discussion
BCHO16F6A14	Goods & Services Tax & Custom Law	2019-20	Employability: This paper is to educate about Indian Indirect Tax System.
B18CH4030	Goods And Service Tax	2019-20	Employability, skill development and employability: Students will understood the basic principles underlying the Indirect Taxation Statutes (with reference to GST Act, Customs Act), to equip students with the principles and provisions of Goods and Services Tax (GST).
M18MC4010	Goods And Service Tax And Customs Law	2019-20	Employability, skill development and employability: Students will understood the basic principles underlying the Indirect Taxation Statutes (with reference to GST Act, Customs Act), to equip students with the principles and provisions of Goods and Services Tax (GST).
B18CS4020	Graph Theory	2019-20	skill development and employability: Students are trained to analyze the problems in graph theory and its applications.
BTCE16F7440	Green Buildings And Green Technology	2019-20	skill development and employability: To understand a broad concept of engineering mechanics.To understand the basics of composition of coplanar forces.
M18PS1062	Grid Integration To Renewable Energy System	2019-20	Employability: By studying this students will obtain the skill of construction and commissioning, operations and maintenance of grid integration with renewable energy, students will get employability in the area of the installation of the wind tower, solar project etc.
BTCE16F7420	Ground Water Engineering	2019-20	skill development and employability:To learn about various types of Aquifers, Darcy's Law and related technical terms and related problems, Ground water recharge, runoff and balance
B18BJ3052	Guidance And Counseling(Oe)	2019-20	Employability and skill development and employability: Students learn the various aspects of the process of the recruitment in various companies. They develop the organizational skills through proper training.
B19BG3061	Health & Hygiene(Oe)	2019-20	skill development and employability: The course focuses on Environmental health as a component of the public health system and is committed to protecting the health of the public and enhancing quality of life by assessing, correcting, controlling, and preventing those factors in the environment that can adversely affect human health
B19PC2030	Heat & Thermodynamics	2019-20	skill development and employability: This course makes the students to learn about radiation and basic principles and fundamental laws of thermodynamics for practical applications
B19PS2030	Heat And Thermodynamics	2019-20	skill development and employability: This course makes the students to learn about radiation and basic principles and fundamental laws of thermodynamics for practical applications
M19DS2063	High Performance Computing	2019-20	Employability: Students are familiarized with High Performance Computing that is important because the researchers and makers who have problems to solve that will not fit in a simple computer or be solved in a timely manner by a simple computer are generally modelling really big problems and testing for potential solutions to those problems
BTCE16F7800	Highway And Phe Project	2019-20	Entrepreneurship, Employability and skill development: The course facilitates the students to understand the properties of soil, and its tests. The students are made to analyse the properties of aggregates and tests on field.
BTCE16F8330	Highway Economics And Preparation Of Detailed Project Report	2019-20	skill development: Establish horizontal and vertical control for alignment of highways/tunnels. Setting out lines for buildings, bridges, pipelines etc.
M18PA3082	Hindustani Vocal(Oe)	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B18AR3050	History Of Architecture - Iii Hindu And Buddhist Architecture	2019-20	Skill: students enhance their skills in drawing and detailing historical buildings.
B18AR4060	History Of Architecture - Iv Islamic Architecture	2019-20	Skill: students enhance their skills in drawing and detailing historical buildings.
B19MT1020'	Human Anatomy -I	2019-20	skill development and employability: Understand the attributes of various human anatomical arrangements to judge working and abnormal conditions
B19MT1070'	Human Anatomy -I Lab	2019-20	skill development and employability: Understand the attributes of various human anatomical arrangements to judge working and abnormal conditions
B19MT1030'	Human Physiology-I	2019-20	skill development and employability:The students can able to analyze and the handling of various biological samples like Whole Blood,plasma, Urine,Separation procedure and prrservation procedure..
B19MT2030'	Human Physiology-II	2019-20	skill development and employability:The students can able to analyze and the handling of various biological samples like Whole Blood,plasma, Urine,Separation procedure and prrservation procedure..
B18BL3010	Human Resource Management	2019-20	Employability, Entrepreneurship : The course familiarises the students with the different aspects of managing human resources in the organisation through the phases of acquisition, development and retention. The course also helps the students to examine current issues, trends, practices, and processes in HRM and effectively manage and plan key human resource functions within organizations.
B19BC2050	Human Resource Management	2019-20	Employability: The students are trained on how an organization acquires, rewards, motivates, uses, and generally manages its people effectively. They also learn basic legal and conceptual framework required for managers, practices and techniques for evaluating performance, structuring teams, coaching and mentoring people, and performing the wide range of other people related duties of a manager in today's increasingly complex workplace
B18CH3050	Human Resources Management	2019-20	Employability, Entrepreneurship : The course familiarises the students with the different aspects of managing human resources in the organisation through the phases of acquisition, development and retention. The course also helps the students to examine current issues, trends, practices, and processes in HRM and effectively manage and plan key human resource functions within organizations.
B19MT2020'	Human_Anatomy_II	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT2080'	Human_Physiology_Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
BTCE16F8220	Hydro Power Engineering	2019-20	skill development and employability:To learn about Hydro power and its applications
M19BC2080	Immunology(Laboratory-VI)	2019-20	Understanding and hands on training on all antigen antibody interaction tests. Learning of all tests to be performed in a clinical diagnostics laboratory. Employment opportunities in diagnostic centres, hospitals and labs
B19BA1030	Indian Constitution And Human Rights	2019-20	skill development and employability. This subject will impart the knowledge on the Constitution of India and also about the ethics that needs to be followed.
BRAR16F7630	Indian Art And Architectural Heritage(Oe)	2019-20	skill development and employability: Students acquire knowledge on various facets of architectural heritage and art in India from ancient to modern times.
B19BB1060	Indian Constitution And Human Rights	2019-20	Employability and skill development and employability: Students learn reading, writing, listening and presentation skills essential to workplace success and regional acceptancy.

B19BC1060	Indian Constitution And Human Rights	2019-20	skill development and employability: it provides basic information about Indian constitution, and identify individual role and ethical responsibility towards society. A brief study will be done by the students about the Constitution of India.
B19BH1060	Indian Constitution And Human Rights	2019-20	Employability and skill development and employability: Students learn reading, writing, listening and presentation skills essential to workplace success and regional acceptancy.
B19BJ2010	Indian Constitution And Human Rights	2019-20	skill development and employability: Students learn to analyze complex problems, find and deploy a variety of legal authorities, and communicate effectively in a variety of settings.
B19CH1060	Indian Constitution And Human Rights	2019-20	Entrepreneurship and Employability: As Students it is imperative for them to understand the basic principles, structure, rights and working of various institutions in our nation. So this course is offered to be more accustomed to our polity.
B19JP2010	Indian Constitution And Human Rights	2019-20	skill development and employability: Students learn to analyze complex problems, find and deploy a variety of legal authorities, and communicate effectively in a variety of settings.
B19BC1040	Indian Economy	2019-20	skill development and employability: helps to To Comprehend the different problems and approaches to economic planning and polices in India and explore various aspects of Fiscal policy & its challenges in Indian public finance
17JE503	Indian Writings In English-I	2019-20	Employability and skill development and employability: Students can enhance their art of creative non-fiction and can explore the structure and cultural function of language by composing persuasive prose and develop advanced critical thought. They can perform as facilitator, web content provider, information officer, Technical writer, Research Analyst and the role of teacher
17JE603	Indian Writings In English-Ii	2019-20	Employability and skill development and employability: Students can enhance their art of creative non-fiction and can explore the structure and cultural function of language by composing persuasive prose and develop advanced critical thought. They can perform as facilitator, web content provider, information officer, Technical writer, Research Analyst and the role of teacher
BBBL15F9200	Indirect Tax Law	2019-20	Employability, Entrepreneurship : This course is designed to improve the basic knowledge of indirect taxes and covers key concepts in the field of indirect taxation. The students will be able to analyze indirect taxes, more specifically, the Value Added Tax (VAT) and GST.
B18BB3030	Innovation Management	2019-20	Entrepreneurship, Employability: The students learn to understand the basic concepts of entrepreneurship and preparing a business plan to startup a firm. They develop the awareness of how to generate idea, develop business plan and get the funding to start up an enterprise. This enhances their employability and entrepreneurial skills as well as intent.
B18EC3061	Instrumentation Engineering	2019-20	skill development and employability: This course familiarises the students to working principle of CRT, voltmeters, multimeters and various transducers.
BA.LB168400	Intellectual Property Law	2019-20	Employability, Entrepreneurship : The students learn to critically analyse the concept of various forms of IPRs and the role of judiciary in protecting those and to evaluate the existing loopholes in the system related to protection of IPRs. The course also provide an extensive study on copyright, the legal regime for registration and enforcement of trademarks, the national and international response for protection of geographical indications and plant varieties and the rights associated with designs and integrated circuits and the defences available in cases of right infringement. The course also provides a comprehensive idea on 'patentable' inventions, 'novelty', 'non-obviousness' and 'industrial applicability' and the legal regime for patents, procedures for obtaining patents and remedies for patent infringement.
M18MB3612	International Banking	2019-20	Employability & skill development and employability: Students gain the knowledge various theories related to banking institutions development and make business decisions.
M18MC4560	International Business Environment	2019-20	Entrepreneurship - Help students to identify and recognize the operations of international business and understand the existing financial system in foreign trade.
M18MB3614	International Business Taxation	2019-20	skill development and employability, Employability, Entrepreneurship: Demonstrate a deep understanding and applications of the Global business and International Taxation
M18MB4613	International Capital Market & Regulation	2019-20	skill development and employability, Employability: Demonstrate a deep understanding of the concept of international strategic management and locate its relevance.
M18MB4613	International Capital Markets And Regulations	2019-20	skill development and employability : It aims at providing the students, basic knowledge about the finance concepts, markets and various services provided in those markets. The syllabus is structured in a way which provides adequate information about the roles of intermediaries and its regulating bodies.
BBBL15F9510	International Economic Law	2019-20	Employability, Entrepreneurship To make students aware of the importance of International Economic Laws and governing principles with special references to India
B18BB4112	International Finance	2019-20	Employability & skill development and employability: Students gain an in-depth knowledge of the working of international financial markets, mechanism of Forex market, measurement of foreign exchange risk and exposure. They develop the skills of forecasting foreign exchange rate and identifying the arbitrage opportunities that exists in Forex Markets between different currencies and earn profits through locational, triangular and covered interest arbitrage.
B18BC4212	International Finance	2019-20	Employability, Entrepreneurship and skill development and employability: forex markets, international Parity conditions, forex risks, currency derivatives and hedging issues, issues with currency investment strategies, issues with cross border financing decisions and cross border investment decisions. student can also become stock broker.
M18MB4312	International Financial Management	2019-20	Employability & skill development and employability: Students gain an in-depth knowledge of the working of international financial markets, mechanism of Forex market, measurement of foreign exchange risk and exposure. They develop the skills of forecasting foreign exchange rate and identifying the arbitrage opportunities that exists in Forex Markets between different currencies and earn profits through locational, triangular and covered interest arbitrage.
M18MC4230	International Financial Management	2019-20	Employability - It will prdve provide an understanding of the international economic and financial environment. It helps them to evaluate imternational projects and capital budgeting
B18BH4211	International Human Resource Management	2019-20	Employability: Students learn about the concept, importance and functions related to managing employees in MNCs and in international setting. They gain awareness about various approaches adopted in international scenario in human resources management and their practical implications. Students become aware as to how to manage international employees in MNCs through various IHRM practices. This improves their employability skills in people management.
BBHO16F5H11	International Human Resource Management	2019-20	Employability: Students learn about the concept, importance and functions related to managing employees in MNCs and in international setting. They gain awareness about various approaches adopted in international scenario in human resources management and their practical implications. Students become aware as to how to manage international employees in MNCs through various IHRM practices. This improves their employability skills in people management.
M18MC4330	International Human Resource Management	2019-20	Employability - It will prdve provide an understanding of the international economic and financial environment. It helps them to evaluate imternational projects and capital budgeting
BBBL15F9530	International Humanitarian And Refugee Law	2019-20	Employability , Entrepreneurship: To make students aware of the principles of International Humanitarian Law and enable them to specialize in the field of Human Rights Law and Humanitarian Law.
M18MB4112	International Marketing	2019-20	Employability & skill development and employability: Students gain an in-depth knowledge of the working of international markets, mechanism of International firm's marketing decision and Internet marketing.
M18MB4612	International Strategic Management	2019-20	Employability, skill development and employability,: Students are introduced to various strategies adopted by the companies to run the international business successfully. They analyse through various case studies and group discussion

M18MC3560	International Strategic Management	2019-20	Employability, entrepreneurship: Students get to know the international strategic management processes used by top level management in multinational enterprises and outline different approaches to strategic management issues and problems of multinational enterprises.
M18MC4540	International Supply Chain Management And Logistics	2019-20	Employability, skill development and employability : Students will Understand effect of financial leverage on firm value with corporate and personal taxes – trade of theory – effect of financial distresses.
M18MC4530	International Trade Practices, Procedures And Documentation	2019-20	Employability and skill development and employability: Students learn how to evaluate financial statements for Strategic decision making and interpret and apply the ongoing developments for financial reporting.
M18MB4611	International Trade Procedures And Documentation	2019-20	skill development and employability, Employability : The students will able to demonstrate knowledge of the concepts, principles and rules of international trade procedures.
M19DS1051	Internet Of Things	2019-20	Employability: Students are trained to explain the basics of embedded systems and design embedded systems. Design and Develop Internet-of-Things based applications.
M18BC4010	Internship	2019-20	skill development and employability: Industrial or research institute internship knowledge help to know about work at ground level/society level. Employability: Maximum chance to get placement/absorb in company.
M18JM3080	Internship	2019-20	skill development and employability: Students learn communication skills in Kannada, Translation skills, Social responsibility, moral values and the role of literature in life.
M18VL3050	Internship	2019-20	skill development and employability: Carrying the internship in companies, institutes to understand the emerging technologies.
B19BJ2090	Internship / Certificate Course	2019-20	skill development and employability: Students learn communication skills in Kannada, Translation skills, Social responsibility, moral values and the role of literature in life.
B18BA4060	Internship In Performing Arts	2019-20	Employability, skill development and employability and entrepreneurship. This subject will deal with the students gaining hands on experience in the field of performing arts where they have to go to performing arts organizations and gain hands on experience in the administrative work of the organization that would open the doors for them to understand the real world of performing arts.
M18MD3030	Internship With Report	2019-20	Skill development and Employability: The course is intended to train the students in industries on the concepts of design and maintainance of mechanical systems.
M18SE3020	Internship With Report	2019-20	Entrepreneurship, Employability and skill development and employability
M18TE3020	Internship With Report	2019-20	Entrepreneurship, Employability and skill development and employability
B18BJ3080	Internship/Certificate Courses	2019-20	Employability and skill development and employability: Students focus on their own practice and professional development and further develop and refine their skills.
M18MS4010	Internship/Certification	2019-20	skill development and employability, Employability, Entrepreneurship: Students either join a company as intern and do a project or take up one global certification course. Since it is an individual project students develop their skills in Employability, Entrepreneurship.
MTP17V5503	Internship/Mini Project	2019-20	Employability and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M18DC3540	Internship/Mooc/Swayam	2019-20	Employability and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
BA.LB168300	Interpretation Of Statutes	2019-20	Employability : The students learn the various rules of interpretation and the aids of construction a statutory provision. The judicial interpretations given to various tools of interpretations also form part of the course.
B18BC4311	Introduction To Banking And Insurance	2019-20	Employability and skill development and employability: Gains knowledge on services offered by various categories of banks, and it also discuss about the bank marketing and study on banking relationships
M18CS3020	Introduction To Cloud Computing And Data Science(Oe)	2019-20	Entrepreneurship & Employability: Students can able to typically analyze different types of data that are stored in the Cloud. Also, can able to work with huge datasets in depth.
B18BS4052	Introduction To Data Science	2019-20	skill development and employability, Employability: Students learn the basics of Big Data, the role and use of Big Data in various relevant industries, various tools and techniques used with big data, various types of Big Data Analytics, variety of data analysis tools, data aggregations using pivot tables, Represent data visually using pivot charts.
MTCS19210	Introduction To Incident Management And Cyber-Attack Scenarios	2019-20	The learners get to work with various tools to familiarize with the real situations of Cyber breaches and security incidents. This course provides hands-on exposure on the tools and techniques used by the attackers. They will be able to apply the learned techniques and lessons in providing first response to a Breach situation and will also be able to analyse a security incident. Skills and Employability focussed.
MTCS19110	Introduction To Information Security And Cybersecurity	2019-20	This course introduces basic concepts of Information Security, CIA triad and focuses on emerging technologies and their connection with Cyber Security. Also, the different facets of Information Security is explained along with the attack vectors for information security. An essential course, covering fundamentals and landscape on Cybersecurity. Builds employability
B19BB1050	Introduction To Management	2019-20	Employability and skill development and employability: Students learn reading, writing, listening and presentation skills essential to workplace success and regional acceptancy.
M18MB3020	Introduction To Management(Oe)	2019-20	Employability: Students are familiarized with Management that helps in Achieving Group Goals - It arranges the factors of production, assembles and organizes the resources, integrates the resources in effective manner to achieve goals.
S19P130/ MTCS	Introduction To Threat Landscape	2019-20	The course will provide an in depth understanding and analysis of security threats. Expose the participants with Hands-on in to hacking/cracking simulation in Birdseye view. Understand various threat frameworks and case studies of Global Threat Groups.
B19BJ2040	Journalism -Ii(Reporting & Editing)	2019-20	Employability and skill development and employability: Students learn the various aspects of reporting and editing techniques in various media platforms. They develop to analyze the process of reporting and editing techniques for print and electronic media
B19BJ1040	Journalism-I(Introduction To Media And Communication)	2019-20	Employability and skill development and employability: Students learn the basic aspects of communication and media. It help them to understand the better way of perceiving information.
B19JP1030	Journalism-I(Introduction To Media And Communication)	2019-20	Employability and skill development and employability: Students learn the basic aspects of communication and media. It help them to understand the better way of perceiving information.
B19JP2030	Journalism-Ii(Reporting & Editing)	2019-20	Employability and skill development and employability: Students learn the various aspects of reporting and editing techniques in various media platforms. They develop to analyze the process of reporting and editing techniques for print and electronic media
B18BJ3020	Journalism-Iii (Audio-Visual Production)	2019-20	Employability: Students are familiarized with the British intellectual tradition and are able to assess the creative responses to political, societal, religious and cultural changes that take place from the pre-Romantic era to the Modern era.
17JE512	Journalism-Vi(A)(Advertizing And Corporate Communication)	2019-20	Employability and skill development and employability: Students learn the various levels of the production aspects of advertisement and use them in their work place. They develop to analyze the skill of ethical aspects of advertisement field.

17JE601	Journalism-Vii (Media Management)	2019-20	Employability and skill development and employability: Students learn to prepare the content for web media in the work place. Students acquire to assess the evolution of Web technologies and Internet Journalism.
17JE612	Journalism-Viii(A) (New Media)	2019-20	Employability and skill development and employability: Students learn explore the process of communication and study the various models of communication and use them in their work place. They develop to analyze the process, models and levels of communication and assess the various types of mass media.
17JE622	Journalism-Viii(B) (Developmental Communication)	2019-20	Entrepreneurship, Employability and skill development and employability: Students learn the various aspects of ownership patterns and managerial functions of mass media. They develop skill to analyze the business and management aspects of the media.
B18ME4020	Kinematics Of Machines	2019-20	Employability & Entrepreneurship: Demonstrate an understanding of the concepts of various mechanisms and pairs. Do velocity and acceleration analysis of simple mechanisms. Design a layout of cam for specified motion. Synthesis simple mechanisms for function, path generation and body guidance. <u>Demonstrate an understanding of principle of gears.</u>
M19PA2041	Kuchipudi Practical- 5 (P5)	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
B19BA2044	Kuchipudi Practical-2	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
B19BG2X10	Laboratory Course - li	2019-20	skill development and employability: Acquire knowledge on basic chemistry experiments in titrations, <u>physical chemistry and biochemistry experiments</u>
B19BA2013	Language - li Additional English	2019-20	skill development and employability as this subject teaches the students the basic functional use of the language in context and also explore issues related to the society and ethics. The student develops a genuine habit of reading and writing leading to effective and efficient communication.
B19MT1010'	Language -li: Communicative English	2019-20	skill development and employability : Originate basic communication skills in kannada for the learners of Bachelor of Science, prioritize listening and reading skills among the learners and simplify writing skills needed for academic as well as workplace context. Employability: Interpret audio files and comprehend different spoken discourses/ excerpts in different accents (Listening Skills) and demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills).
B18BA3013	Language -li Additional English	2019-20	skill development and employability as this subject teaches the students the basic functional use of the language in context and also explore issues related to the society and ethics. The student develops a genuine habit of reading and writing leading to effective and efficient communication.
B18PC1013	Language -li Additional English	2019-20	skill development and employability: Equip students with the ability to acquire the functional use of language in context, motivate the students to explore and critique issues related to society and Ethics and develop in the students a genuine habit of reading and writing leading to effective and efficient communication. Employment: Demonstrate ethical responsibilities in taking cognizance of issues relating to society and values, develop an understanding of literature in context and interpret and <u>paraphrase their ideas logically and cohesively.</u>
B19BA1013	Language -li Additional English	2019-20	skill development and employability as this subject teaches the students the basic functional use of the language in context and also explore issues related to the society and ethics. The student develops a genuine habit of reading and writing leading to effective and efficient communication.
B19BB1023	Language -li Additional English	2019-20	skill development and employability: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to <u>effective and efficient communication.</u>
B19BH1023	Language -li Additional English	2019-20	skill development and employability: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to <u>effective and efficient communication.</u>
B18MC1013	Language -li: Additional English	2019-20	skill development and employability and employability : The student will be acquainted with good <u>communication skills and vocabulary required for the student face the interviews.</u>
B18SM1013	Language -li: Additional English	2019-20	skill development and employability: Equip students with the ability to acquire the functional use of language in context, motivate the students to explore and critique issues related to society and Ethics and develop in the students a genuine habit of reading and writing leading to effective and efficient communication. Employment: Demonstrate ethical responsibilities in taking cognizance of issues relating to society and values, develop an understanding of literature in context and interpret and <u>paraphrase their ideas logically and cohesively.</u>
B19CH1023	Language -li: Additional English	2019-20	Employability and skill development and employability: Students learn reading, writing, listening and <u>presentation skills essential to workplace success and regional acceptancy.</u>
B18BJ4013	Language -li Additional English	2019-20	Additional English Employability and skill development and employability : Students gain and use the knowledge to comprehend and analyze the concepts and processes related to language and literature .
B19BJ1033	Language -li Additional English	2019-20	Employability and skill development and employability: Students learn explore the process of media packages and programme production for radio and television in their work place. They develop to anchoring and presentation skills.
B19MT2010'	Language -li: Communicative English	2019-20	skill development and employability : Originate basic communication skills in kannada for the learners of Bachelor of Science, prioritize listening and reading skills among the learners and simplify writing skills needed for academic as well as workplace context. Employability: Interpret audio files and comprehend different spoken discourses/ excerpts in different accents (Listening Skills) and demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills).
B19JP1014	Language -li Additional English	2019-20	Employability and skill development and employability: Students learn explore the process of media packages and programme production for radio and television in their work place. They develop to anchoring and presentation skills.
B19BG1013	Language -li : Additional English	2019-20	skill development and employability and employability : The student will be acquainted with good <u>communication skills and vocabulary required for the student face the interviews.</u>

B19PS1013	Language-ii : Additional English	2019-20	skill development and employability: Equip students with the ability to acquire the functional use of language in context, motivate the students to explore and critique issues related to society and Ethics and develop in the students a genuine habit of reading and writing leading to effective and efficient communication. Employment: Demonstrate ethical responsibilities in taking cognizance of issues relating to society and values, develop an understanding of literature in context and interpret and paraphrase their ideas logically and cohesively	
B19BB2023	Language-ii Additional English	2019-20	skill development and employability: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B19BC2023	Language-ii Additional English	2019-20	skill development and employability: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B19BE2023	Language-ii Additional English	2019-20	skill development and employability: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B19BH2023	Language-ii Additional English	2019-20	skill development and employability: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.	
B19CH2023	Language-ii Additional English	2019-20	Employability and skill development and employability: Students learn reading, writing, listening and presentation skills essential to workplace success and regional acceptancy.	
B19MT1013	Language-ii Additional English	2019-20	skill development and employability : Develop basic communication skills in English for the learners of Bachelor of Science, prioritize listening and reading skills among the learners and simplify writing skills needed for academic as well as workplace context. Employeebility: Interpret audio files and comprehend different spoken discourses/ excerpts in different accents (Listening Skills) and demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills).	
B18MC3013	Language-ii:Additional English	2019-20	skill development and employability and employability : The student will be acquainted with good communication skills and vocabulary required for the student face the interviews.	
B18PC3013	Language-ii:Additional English	2019-20	skill development and employability: Equip students with the ability to acquire the functional use of language in context, motivate the students to explore and critique issues related to society and Ethics and develop in the students a genuine habit of reading and writing leading to effective and efficient communication. Employment: Demonstrate ethical responsibilities in taking cognizance of issues relating to society and values, develop an understanding of literature in context and interpret and paraphrase their ideas logically and cohesively	
B18SM3013	Language-ii:Additional English	2019-20	skill development and employability: Acquire a functional use of language in context, equip students to deliver formal and informal oral presentations to a variety of audiences in multiple contexts and enable students to construct effective written message in various formats and styles. Inculcate the habit of reading and writing leading to effective and efficient communication. Employeebility: Demonstrate ethical and political responsibilities in taking cognizance of issues relating to society, environment and media. Develop a process oriented approach to writing. Make use of grammatical skills developed during the course aptly. Utilize the target language effectively to focus on interpersonal skills and develop a good command over the language.	
B19BJ2033	Language-ii:Additional English	2019-20	Employability and skill development and employability: Students learn explore the process of media packages and programme production for radio and television in their work place. They develop to anchoring and presentation skills.	
B19JP2014	Language-ii:Additional English	2019-20	Employability and skill development and employability: Students learn explore the process of media packages and programme production for radio and television in their work place. They develop to anchoring and presentation skills.	
B19MT2013	Language-ii:Additional English	2019-20	skill development and employability : Develop basic communication skills in English for the learners of Bachelor of Science, prioritize listening and reading skills among the learners and simplify writing skills needed for academic as well as workplace context. Employeebility: Interpret audio files and comprehend different spoken discourses/ excerpts in different accents (Listening Skills) and demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills).	
B18BJ3013	Language-ii- Additional English	2019-20	Employability and skill development and employability: Students learn explore the process of media packages and programme production for radio and television in their work place. They develop to anchoring and presentation skills.	
B18CE3010	Laplace Transform And Fourier Series	2019-20	skill development and employability, Employability and Entrepreneur: the Student can learn and implement the application of mathematical rules for engineering problems	
B18AL4020	Law Of Crimes (Ipc 1860)	2019-20	Employability, Entrepreneurship : The course is designed with a prime object to familiarize students with the principles of criminal liability and other concepts of substantive criminal law. The lawyer must have an acquaintance with such knowledge in order to make criminal justice serve the goals of social defense. Subsequently, a study of the basic concepts of Criminal Law is undertaken, followed by a study of specific offences under the Indian Penal Code.	
B18BL4020	Law Of Crimes (Ipc 1860)	2019-20	Employability, Entrepreneurship : The course is designed with a prime object to familiarize students with the principles of criminal liability and other concepts of substantive criminal law. The lawyer must have an acquaintance with such knowledge in order to make criminal justice serve the goals of social defense. Subsequently, a study of the basic concepts of Criminal Law is undertaken, followed by a study of specific offences under the Indian Penal Code.	
BA.LB167100	Law Of Evidence	2019-20	Employability, Entrepreneurship : The course familiarises the students with the rules of evidence in relation to relevancy of facts and proof in addition to law relating to production of evidence. The course also familiarises the students with examination and cross examination and appreciation of evidence.	
M18MB3214	Leadership And Planning	2019-20	Entrepreneurship & Employability - This course provides practical exposure on today's uncertain business climate and the importance of being the visionary leaders. Leadership Development presents an integrated view on the fundamentals of management, deeper understanding on the core business functions, decision-making skills and leadership capacity	
M18MB4213	Learning And Development	2019-20	Employability & Entrepreneurship - In this course, students learn and apply proven methods to help organizations achieve goals and build capabilities to meet future challenges. Emphasis will be placed on understanding how change impacts individuals, teams and organizations. This course will attempt to mirror the type of interactive communication and analytical processes that typically occur as organizations struggle to attain the objectives of their stakeholders in an intensely competitive environment	
M18MB3212	Legal Aspects And Industrial Relations	2019-20	Employability - The students are to be acquainted with the Industrial relations and Social Security Frame-work prevailing in our system. This course consider the political and social values which underlie collective bargaining and its regulation by the state, and to critically assess the effectiveness of the various legal mechanisms by exploring them to the variety of current issues, including globalization, the changing face of the Indian workforce, and changes in the nature of work itself.	

B18BE3050	Legal Aspects Of Entrepreneurship	2019-20	Employability & skill development and employability: Students gain the knowledge of Regulatory framework of Contracts, Sale of goods, Competition law, Consumer protection, Information and Environment protection law which regulates the business operations. They are familiarized with the legal framework of business and regulations.
BSCB16F8120	Linear Algebra	2019-20	Entrepreneurship skill development and employability, Employability: Students recall basic concepts of matrices and matrix algebra, present methods of solving systems of linear equations, demonstrate basic concepts of vector spaces, interpret the concepts of linear transformations by using the matrices, develop methods of computing and using eigen values and eigenvectors..
M19DS1053	Linear Algebra	2019-20	skill development and employability: Students are trained in Linear Algebra which is a continuous form of mathematics and is applied throughout science and engineering because it allows you to model natural phenomena and to compute them efficiently.
B19MT2010	Linear Algebra And Laplace Transform	2019-20	skill development and employability: Interpret the knowledge of Linear Algebra in Image processing and digital signal processing, first and higher order ordinary differential equations. Customize the knowledge of Laplace transformation from the time domain to the frequency domain, which transforms differential equations into algebraic equations and convolution into multiplication.
B18CA4080	Linux Lab	2019-20	skill development and employability, Employability: Students learn the design of the LINUX operating system., Execute various commands of the LINUX OS, learn the different types of filters used in LINUX.
B18MC4090	Linux Lab	2019-20	Employability and skill development and employability : the student will learn the programming languages required to design the various drug molecules to identify the targets for binding the biomolecules.
B18SM4090	Linux Lab	2019-20	skill development and employability: Throughout the course, practical aspects that pertain to the most popular operating systems such as Unix/Linux and Windows, and some instructional operating systems will be studied. Employability: Implement the various filters of Unix / Linux.
M18CA3080	Linux Lab	2019-20	skill development and employability, Employability: Students learn to write shell scripts in order to perform basic shell programming, Use basic Linux commands, Use Linux pipes and file redirection efficiently to manipulate data.
M18EN4031	Literatures In India(In Translation)	2019-20	Employability and skill development and employability: Students learn language proficiency and develop skills to translate the intricacies of language without losing meaning and emphasis. They can perform the role as Freelance writer, Historical site coordinator, Translator and the publisher.
B18CS3080	Logic Design And Analog Circuits Lab	2019-20	skill development and employability: Students are trained on digital logic circuit is defined as the one in which voltages are assumed to be having a finite number of distinct value. Types of digital logic circuits are combinational logic circuits and sequential logic circuits.
M19CT2062	Low Cost Construction	2019-20	Skill, Employability: students are trained in designing of low cost buildings.
M18CA4051	Machine Learning	2019-20	skill development and employability, Employability: Students learn the fundamentals of data communications and networks by gaining knowledge of data transmission concepts, analyze the computer network with suitable network protocols and routing algorithms, analyze different routing protocols and traffic engineering methods deployed in networking which enhances their employability skills
M19DS1020	Machine Learning	2019-20	Entrepreneurship, Employability: Students are familiarized to explain the basics of machine learning concepts. Trained to implement machine learning algorithms for intelligent applications. Also to perform evaluation of learning algorithms and model selection.
M19TCS1020	Machine Learning	2019-20	Entrepreneurship, Employability: Students are familiarized to explain the basics of machine learning concepts. Trained to implement machine learning algorithms for intelligent applications. Also to perform evaluation of learning algorithms and model selection.
B18ME3280	Machine Tool And Metrology Lab	2019-20	Skill development and Employability: Identify the various operations require to prepare the model. Select the suitable machine for a particular operation. Prepare the specimen as per the given dimension for the given raw material. Entrepreneurship: Can establish own fabrication industry. Explain the need, history for the development of new concepts of metrology and measurement, record and interpret the data. Demonstrate the fundamentals of standards, comparison between the standards and unknown quantity. Explain the concepts of error and accuracy. Apply the skills in measuring strain and temperature measurement.
B18ME4280	Machine Tools And Metrology Lab	2019-20	Skill development and employability: Identify the various operations require to prepare the model. Select the suitable machine for a particular operation. Prepare the specimen as per the given dimension for the given raw material. Entrepreneurship: Can establish own fabrication industry. Explain the need, history for the development of new concepts of metrology and measurement, record and interpret the data. Demonstrate the fundamentals of standards, comparison between the standards and unknown quantity. Explain the concepts of error and accuracy. Apply the skills in measuring strain and temperature measurement.
M19JM2052	Magazine Production And Writing Techniques	2019-20	Employability and skill development and employability: Students learn the aspects of magazine writing, editing and production and use them in their work place. They develop the skills of overall production of a magazine from story idea development to anatomy of layout.
M18MB4020	Major Project	2019-20	skill development and employability & Employability: Students are allowed to take up minor project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted to the department.
M18MC4020	Major Project	2019-20	Employability, skill development and employability: Students will get practical exposure from industry. There is an opportunity to go with internship after this they will be placed in the same organisation itself.
M18MS4020	Major Project	2019-20	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.
M18VL4020	Major Project / Dissertation	2019-20	skill development and employability: Carrying the internship in companies, institutes to understand the emerging technologies
MS17PH401	Major Project/Internship	2019-20	Employability, Entrepreneurship & skill development and employability
M18JM4040	Major Project- Documentary/Dissertation	2019-20	Employability and skill development and employability: Students learn the various stages of media research and capable for preparing research papers and dissertations. They develop to analyze the production skills required for video production.
M18EN4040	Major Research Project	2019-20	skill development and employability: Students identify the overall process of designing a research study and be able to distinguish a purpose statement, a research question or hypothesis, and a research objective.
B18EE4061	Management & Entrepreneurship	2019-20	Employability, Entrepreneurship & skill development and employability: This course helps in enhancing managerial capabilities and Entrepreneurship skills. Students gain basic knowledge of company establishments
B18ME4044	Management And Entrepreneurship	2019-20	Entrepreneurship & Employability: Students learn about the innovation and creativity of managing the knowledge and how new knowledge is created and prepare the frame work in an organisation. They learn about the dimensions of Learning organisations and implementation of knowledge management process in organisations. This makes them industry ready.
B19MT2050	Manufacturing Technology	2019-20	skill development and employability: Principle of metal joining process. Identify the inspection of defects. Employability: Can build career in foundry industries. Demonstrate the principles associated with special casting process.

B18BC3040	Marketing Management	2019-20	Employability, skill development and employability and Entrepreneurship: Students can indulge in the marketing practices and the skills needed to deal with the marketing strategies and can provide various services with the knowledge of marketing practices followed.
B18CH3030	Marketing Management	2019-20	Employability, skill development and employability and Entrepreneurship: Students can indulge in the marketing practices and the skills needed to deal with the marketing strategies and can provide various services with the knowledge of marketing practices followed.
B18ME3170	Materials Testing Lab	2019-20	Skill development and Employability: Identify the type of material based on the microstructure using optical microscope, can find wear prosperities and defects in the specimen using Ultrasonic flaw detection, Magnetic crack detection and Dye penetration test. Find out tensile, compressive, torsional and bending properties using UTM, find hardness and impact strength of the engineering materials.
B18PC1030	Mechanics And Fluid Dynamics	2019-20	skill development and employability: This course enables the students to understand forces, moment of inertia and fundamental laws of fluid dynamics.
B19PS1030	Mechanics And Fluid Dynamics	2019-20	skill development and employability: This course enables the students to understand forces, moment of inertia and fundamental laws of fluid dynamics.
MAJC18F3600	Media And Society(Oe)	2019-20	skill development and employability and entrepreneurship. This subject deals with introduction to the field of media studies. It will also familiarize them with the significance and impact of media on society and will also further enable the students to critically analyze the role of media in shaping the society in present times.
BA.LB168630	Media Law	2019-20	Employability, Entrepreneurship : The students learn the conceptual as well as statutory provisions pertaining to media and the evolution and existence of the legal regime to regulate its content and matters incidental to it. The students also learn to analyse freedom of press vis-a-vis right to privacy and human rights.
17JE501	Media Laws And Ethics	2019-20	Employability and skill development and employability: Students learn the ethical aspects of media and various laws related to media. They develop to analyze the importance of code of conduct and media laws especially in Indian Media context .
M18EN3031	Media Studies	2019-20	Employability and skill development and employability: Students learn to prepare the content for web media in the work place. Students acquire to assess the evolution of Web technologies and Internet Journalism.
M18MC3160	Mergers And Acquisitions	2019-20	skill development and employability - Students are provided with a fundamental understanding of M&A the role of M&A in corporate valuation and their strategies.
M19BC2040	Metabolism-ii	2019-20	Employability : Correlate knowledge of Bio- molecules to central Biochemical processes ,Integrate biochemical defects and metabolic disorders by developing an integrative approach for biological problemsto carry out research and projects and to get employability in teaching profession.
B18CH4020	Methods And Techniques Of Costing	2019-20	Employability : It enable the students to understand cost accounting concept and objectives, and in depth a study of cost accounting systems and accumulation procedures and search into the elements of materials labour and factory over head cost. It also helps to analysis basic cash flow model and able assign costs in a job cost system.
B19MT3070	Microbiogoy_I_Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT1050'	Microbiology -I	2019-20	skill development and employability: Ascertain fundamental of bacterial pathogen. knowledge of different media, compositions and techniques. Employability: Possible opportunity in diagnostic lab
B19MT2959	Microbiology_ii	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT4070	Microbiology_ii Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT3020	Microbiology_iii	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT5060	Microbiology_iii_Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT4020	Microbiology_iv	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT6050	Microbiology_iv_Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT5020	Microbiology_V	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT6020	Microbiology_Vi	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT2050	Microbiology-ii	2019-20	skill development and employability: Ascertain fundamental of bacterial pathogen. knowledge of different media, compositions and techniques. Employability: Possible opportunity in diagnostic lab
B18EC4040	Microcontrollers And Applications	2019-20	skill development and employability, Employability, Entrepreneurship:This course introduces the students to Architecture, instruction set, and interfacing of 8051 microcontroller with peripheral devices.
B18EC4070	Microcontrollers And Applications Lab	2019-20	skill development and employability, Employability, Entrepreneurship:This course introduces the students to Architecture, instruction set, and interfacing of 8051 microcontroller with peripheral devices.
M18DC3300	Mini Project	2019-20	Employability and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M18VL3030	Mini Project	2019-20	Employability and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M18PS3040	Mini Project/ Internship	2019-20	Employability, Entrepreneurship and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M18MS3060	Minor Project	2019-20	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.
M19MC2070	Minor Project	2019-20	Employability - Students shall carry out research under the guidance of supervisor and in the process learn the techniques of research.
B19BC2090	Minor Project -I (Summer Internship)	2019-20	Employability and skill development and employability: It enables the students to have outerworld exposure and a real time experience of finding the gap between their study and its implementation.
B19CH2090	Minor Project -I (Summer Internship)	2019-20	Employability and skill development and employability: Field work to students
B18BC4060	Minor Project -ii (Summer Internship)	2019-20	Employability and skill development and employability: It enables the students to have outerworld exposure and a real time experience of finding the gap between their study and its implementation.
B18CH4070	Minor Project -ii (Summer Internship)	2019-20	Employability - Students shall carry out research under the guidance of supervisor and in the process learn the techniques of research.
M19MB2070	Minor Project(Summer Internship-I)	2019-20	skill development and employability: Students are made to be familised with concepts of wide scope of use and application to life, it also helps to construct effective written message in various formats and styles and inculcate the habit of reading and writing.

B18BJ4050	Minor Research Project	2019-20	skill development and employability: Students learn the various stages of research and capable for preparing research papers and dissertations.
M19DS1063	Mobile Application Development	2019-20	skill development and employability, Employability: Students are trained and familiarized on Mobile Computing w.r.t Connectivity: You can stay connected to all sources at all times, Social Engagement: You can interact with a variety of users via the Internet, Personalization: You can tailor your mobile computing to your individual needs.
B18CA4051	Mobile Computing	2019-20	skill development and employability, Employability: Students learn the basics of mobile telecommunication system, functionality at each layer for given application, Identify solution for each functionality at each layer, Use simulator tools and design Ad hoc networks, Develop a mobile application
M18MS3021	Mobile Computing And App Store Management	2019-20	skill development and employability, Employability: Students learn basics of wireless communication systems, Expose students to various aspects of mobile computing techniques, Understand the basic concepts of mobile computing, Be familiar with the network protocol stack, Gain knowledge about different mobile platforms and application development
M19CT2052	Modern Construction Materials	2019-20	Skill: students are introduced to drafting, techniques of graphic representations, basic building elements, materials
M19PA2033	Mohiniyattam Practical -4 (P4)	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M19PA2043	Mohiniyattam Practical -5 (P5)	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
B18MC1030	Molecular Biology And Genetics	2019-20	Employability, skill development and employability : The student will gain the knowledge, understanding about the basics of cells and implement the skills to maintain and observe the behaviour of cells.
B18MC1070	Molecular Biology And Genetics Lab	2019-20	Employability, skill development and employability : The student will gain the knowledge, understanding about the basics of cells and implement the skills to maintain and observe the behaviour of cells.
B18BL3020	Money, Banking & Public Finance	2019-20	Employability : The course is an introduction to the behavioral science of economics which focuses on interest rates, the concept of money, exchange rates, and monetary policy. Topics covered include banking structures and function, the Federal Reserve, determinants of the money supply, fiscal policy and monetary policy and international economics.
B18AL3020	Money, Banking And Public Finance	2019-20	Employability : The course is an introduction to the behavioral science of economics which focuses on interest rates, the concept of money, exchange rates, and monetary policy. Topics covered include banking structures and function, the Federal Reserve, determinants of the money supply, fiscal policy and monetary policy and international economics.
B18BJ3070	Mooc	2019-20	Employability and skill development and employability: Students focus on their own practice and professional development and further develop and refine their skills.
B18BC4050	Mooc / Swayam	2019-20	Employability, Entrepreneurship, skill development and employability : Students are encouraged to choose from a variety of courses in the digital platform that are interactive and are prepared by the best teachers in the world. This digital platform can be utilized by students to upgrade their knowledge and skills.
B18CH4060	Mooc / Swayam	2019-20	Employability, Entrepreneurship, skill development and employability : Students are encouraged to choose from a variety of courses in the digital platform that are interactive and are prepared by the best teachers in the world. This digital platform can be utilized by students to upgrade their knowledge and skills.
B19BC2080	Mooc / Swayam	2019-20	Employability, skill development and employability - MOOC (Massive Open Online Course) provides platform for distance education for students that is aimed at offering all the courses from school level (Class IX) to post-graduation level.
B19BJ2080	Mooc / Swayam	2019-20	Employability and skill development and employability: Students learn the various practical exposures through online courses. Students acquire the skill to learn, evaluate and use latest digital platform for academic growth.
B19JP2060	Mooc / Swayam	2019-20	Employability and skill development and employability: Students learn the various practical exposures through online courses. Students acquire the skill to learn, evaluate and use latest digital platform for academic growth.
M19PA2080	Mooc Courses	2019-20	skill development and employability and entrepreneurship. The student will learn the basics of graphic design as a part of their MOOC course that will enable them to learn the nuances of the graphic design and would further help them design the dance and music posters of their works.
B18BA4070	Mooc(Self Study)	2019-20	Employability, skill development and employability and entrepreneurship. The students will learn a course online that would enhance their skills and make them certified in a particular area of the course.
B18AL4060	Mooc,Swayam,Edx,Cm Certificate	2019-20	Employability, Entrepreneurship, skill development and employability : Students are encouraged to choose from a variety of courses in the digital platform that are interactive and are prepared by the best teachers in the world. This digital platform can be utilized by students to upgrade their knowledge and skills.
M18JM3070	Mooc/Certificate Course	2019-20	Employability, Entrepreneurship, skill development and employability : Students are encouraged to choose from a variety of courses in the digital platform that are interactive and are prepared by the best teachers in the world. This digital platform can be utilized by students to upgrade their knowledge and skills.
B18BL4060	Mooc/Swayam	2019-20	Employability, Entrepreneurship, skill development and employability : Students are encouraged to choose from a variety of courses in the digital platform that are interactive and are prepared by the best teachers in the world. This digital platform can be utilized by students to upgrade their knowledge and skills.
B18BS4060	Mooc/Swayam	2019-20	skill development and employability : Students take up self study course online and earn a certificate
B19CH2080	Mooc/Swayam	2019-20	Employability and skill development and employability: Helps students to acquaint themselves to the contemporary topics.
M18MS3070	Mooc/Swayam	2019-20	skill development and employability : Students take up self study course online and earn a certificate
M19MC2060	Mooc/Swayam	2019-20	Employability, skill development and employability - MOOC (Massive Open Online Course) provides platform for distance education for students that is aimed at offering all the courses from school level (Class IX) to post-graduation level.

M18EN3060	Mooc/Swayam/Certificate Courses Rulo	2019-20	Employability, Entrepreneurship, skill development and employability : Students are encouraged to choose from a variety of courses in the digital platform that are interactive and are prepared by the best teachers in the world. This digital platform can be utilized by students to upgrade their knowledge and skills.
M18DC4010	Mooc/Swayam/Edx/Harvard/Cm/Internship	2019-20	Employability and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M18VL4010	Mooc/Swayam/Edx/Harvard/Cm/Internship	2019-20	Employability and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M18CH4030	Mooc/Swayam/Harvard/Edx/Internship Etc	2019-20	Employability, Entrepreneurship, skill development and employability : Students are encouraged to choose from a variety of courses in the digital platform that are interactive and are prepared by the best teachers in the world. This digital platform can be utilized by students to upgrade their knowledge and skills.
M18PS3050	Mooc/Swayam/Self Study Component	2019-20	Employability, Entrepreneurship, skill development and employability : Students are encouraged to choose from a variety of courses in the digital platform that are interactive and are prepared by the best teachers in the world. This digital platform can be utilized by students to upgrade their knowledge and skills.
M18MD4020	Moocs/Swayam/Online Program	2019-20	Employability, and Entrepreneurship: Student can learn solving skills for competitive exams
B18AL4070	Moot Court	2019-20	Skill Development : Moot court is simulated court session based on solving hypothetical facts/cases through oral arguments and written memorials that involves analysis of legislations, customary laws, legal dictionaries, precedents, both national and international. This course helps in analysing legal problems and research for solutions which will in turn improve their writing, research, speaking, critical thinking skills. This course also helps in imbibing professional and ethical responsibilities in a court room.
B18BL4070	Moot Court	2019-20	Skill Development : Moot court is simulated court session based on solving hypothetical facts/cases through oral arguments and written memorials that involves analysis of legislations, customary laws, legal dictionaries, precedents, both national and international. This course helps in analysing legal problems and research for solutions which will in turn improve their writing, research, speaking, critical thinking skills. This course also helps in imbibing professional and ethical responsibilities in a court room.
M19DS2042	Multimedia Systems	2019-20	Employability: Students are familiarize with multimedia systems that are good way for communication because that can easy to communicate and understand what they say.
B19IT1010	Multivariable Calculus And Linear Algebra	2019-20	skill development and employability: Students are familiarized with Linear algebra and multivariable calculus by using different approaches related to solve real-world problems.
B18AL3060	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B18BL3060	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B18CE4100	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B18EC3X10	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B18EE4X10	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BB1080	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BC1080	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BG2070	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BH1080	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BJ2070	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BS1070	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19CA2070	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19CH1080	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19IT2120	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19JP2050	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19MC2070	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19MT2070'	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19MT2X10	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19PC2070	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19PS2070	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19SM2070	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.

M18DC3400	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M18PH2060	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M18VL3040	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M19CA1070	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M19CH2060	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M19MS1070	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M19PA1060	Music	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M19PA2070	Music 2 - Alankaras And Dance Pieces Taught By Teacher	2019-20	skill development and employability. The students will learn the second stage of fundamentals of music in the carnatic genre.
M18PA4070	Music 4 - Dance Pieces Taught By Teachers	2019-20	skill development and employability. The students will learn the fourth stage of fundamentals of music in the carnatic genre.
M18PA3060	Music-Dance Pieces Taught By Teachers	2019-20	skill development and employability. The students will learn the third stage of fundamentals of music in the carnatic genre.
M18PH3020	Nano-Science And Nanotechnology	2019-20	skill development and employability and Employability: Students learn to demonstrate and apply nano fabrication method and to prepare nano materials. Students also evaluate the processing conditions for functional nano materials.
M19DS2052	Natural Language Processing	2019-20	Employability: Students are familiarized with NLP that is important because it helps resolve ambiguity in language and adds useful numeric structure to the data for many downstream applications, such as speech recognition or text analytics
B19BA2030	Natyasastra & Performing Arts	2019-20	skill development and employability. This subject lets the student understand the importance of the text of Natya Sastra in the area of Performing Arts and also explains the different Chapters of Natya Sastra and their importance.
M19PA1020	Natyasastra Theory	2019-20	Employability, skill development and employability and entrepreneurship. This subject teaches the chapters of the Natya Sastra. It helps the students understand the multiple values of the Natya Sastra and its cultural understanding.
M19PA2050	Natyashastra Practical-6 (P6)	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
B18EC3050	Network Analysis	2019-20	skill development and employability: This course introduces the students to concepts of electrical circuit analysis, mathematical and graphical representations electrical circuits, network theorems, transforms, and circuit resonance.
M18JM3041	New Media	2019-20	Employability and skill development and employability: Students learn to prepare the content for web media in the work place. Students acquire to assess the evolution of Web technologies and Internet Journalism.
B18BE4030	New Venture Creation	2019-20	Employability & Entrepreneurship - In this course, students learn and apply proven methods to help organizations achieve goals and build new firm.
M18DC3012	Noc Design	2019-20	skill development and employability, Employability: Highlight the importance of complex VLSI circuits. List the examples of SoC systems. Introduce the parts of a SoC. Providing the comparison of different VLSI design styles. Introduce the concept of H/W and S/W co-design. Introduce the system design process. Highlight the differences between the hard IP and soft IP. Provide a sound knowledge of embedded memories. Demonstrate the idea of NoC used for interconnection architecture
B18ME3010	Numerical Methods And Probability	2019-20	Employability: To study and understand the application approach of the concepts of Laplace transform, curve fitting and statistics.
B18CS4055	Numerical Techniques	2019-20	skill development and employability: Students are familiarized to identify and summarize the need & origin of the numerical methods. To illustrate various applications of numerical methods used in engineering and to formulate numerical problems as mathematical programming problems.
B18BS4020	Object Oriented Modeling And Design	2019-20	skill development and employability, Employability: Students learn to implement the basic concepts to identify state & behavior of real world objects, implement various object oriented methodologies, apply the concept of analysis and design to develop a document for a given project and to implement analysis and design phases in developing a software project. This will enhance their employability skills.
B18BS4090	Object Oriented Modeling And Design Lab	2019-20	skill development and employability, Employability: Students learn to implement the basic concepts to identify state & behavior of real world objects, implement various object oriented methodologies, apply the concept of analysis and design to develop a document for a given project and to implement analysis and design phases in developing a software project. This will enhance their employability skills.
B18EC3063	Object Oriented Programming Using C++	2019-20	skill development and employability: This course introduces the students to programming Languages like C and C++ in design and development. It also provides an insight into exception handling.
B18ME4045	Object Oriented Programming With C++	2019-20	Skill development and employability, Employability: The course provides insight in the C++ programming language. They are introduced with the fundamental concepts of Classes, Objects and Inheritance, polymorphism in C++.
B18BS3020	Object Oriented Programming With Java	2019-20	Entrepreneurship skill development and employability, Employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of the internet standards and recent web technologies like Conferencing, newsgroup etc. Students learn to implement, compile, test and run Java program, make use of hierarchy of Java classes to provide a solution to a given set of requirements found in the Java API, understand the components and patterns that constitute a suitable architecture for a web application using java servlets. This will enhance their employability skills.
B18BS3080	Object Oriented Programming With Java Lab	2019-20	Entrepreneurship skill development and employability, Employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of the internet standards and recent web technologies like Conferencing, newsgroup etc. Students learn to implement, compile, test and run Java program, make use of hierarchy of Java classes to provide a solution to a given set of requirements found in the Java API, understand the components and patterns that constitute a suitable architecture for a web application using java servlets. This will enhance their employability skills.

M19PA2034	Odissi Practical -4 (P4)	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M19PA2044	Odissi Practical -5 (P5)	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
B19CH2050	Office Management And Secretarial Practice	2019-20	Entrepreneurship, Employability and skill development and employability: This course is to familiarize the students with the activities in a modern office. Smooth functioning of any organization depends upon the way various activities are organized, facilities provided to the staff working in the office, the working environment and the tools and the equipment used in office.
BTCE16F7340	Offshore Structures And Coastal Management	2019-20	Skill development: Provide the factors affecting design of offshore structures and performance of structures.
M18DE3050	One Global Certification	2019-20	skill development and employability: Students are trained and received the certifications on latest technologies that will help them in building their career.
MTP17V5501	Online Certification Course	2019-20	Employability and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M18MD3020	Open Elective (Modern Automotive System)	2019-20	Employability & Entrepreneurship:The course is intended to skills the students on various systems of modern automobiles
B18MC4050	Operating System & Shell Program Using Linux	2019-20	skill development and employability: Enabling Knowledge in the operation, implementation and performance of modern operating systems, and the relative merits and suitability of each for complex user applications,Critical Analysis: Ability to compare, contrast, and evaluate the key trade-offs between multiple approaches to operating system design, and identify appropriate design choices when solving real-world problems.Employability: Explain the objective and functions of modern operating systems and describe how computing resources are used by application software and managed by system software
B18SM4050	Operating System & Shell Program Using Linux	2019-20	skill development and employability: Enabling Knowledge in the operation, implementation and performance of modern operating systems, and the relative merits and suitability of each for complex user applications,Critical Analysis: Ability to compare, contrast, and evaluate the key trade-offs between multiple approaches to operating system design, and identify appropriate design choices when solving real-world problems.Employability: Explain the objective and functions of modern operating systems and describe how computing resources are used by application software and managed by system software
B19BS1030	Operating Systems And Linux Foundation	2019-20	skill development and employability, Employability: Students learn the operation, implementation and performance of modern operating systems, and the relative merits and suitability of each for complex user applications. Students will be able to compare, contrast, and evaluate the key trade-offs between multiple approaches to operating system design, and identify appropriate design choices when solving real-world problems. The students get familiar with the practical aspects that pertain to the popular operating systems such as Unix/Linux and Windows.
B18CA4030	Operating Systems With Linnox	2019-20	skill development and employability, Employability: Students learn the operation, implementation and performance of modern operating systems, and the relative merits and suitability of each for complex user applications, Compare, contrast, and evaluate the key trade-offs between multiple approaches to operating system design, and identify appropriate design choices when solving real-world problems, understand the design of the LINUX operating system., Execute various commands of the LINUX OS, learn the different types of filters used in LINUX.
BBHO16F6300	Operational Research For Managerial Decision	2019-20	Employability, Entrepreneurship: The course facilitates the students to develop the understanding of the concept, importance and dynamics of international business and India's involvement with global business operations. they get ideas of starting their own business through some modes of internationalization
B18CS4054	Operations Research	2019-20	skill development and employability: Students are familiarized to identify and summarize the need & origin of the optimization methods. To illustrate various applications of optimization methods used in engineering and to formulate optimization problems as mathematical programming problems.
M18MT3070	Optimization Techniques	2019-20	skill development and employability and employability: In this course student has learnt engineering applications and formulation of optimization problems, various optimization techniques, geometry and standard form of linear programming problems various methods of non-linear programming to compute structural engineering problems, geometric and dynamic programming and formulate and obtain the solution of structural optimization problems by different techniques.
M19DS1010	Optimization Techniques	2019-20	skill development and employability: Students are familiarized to identify and summarize the need & origin of the optimization methods. To illustrate various applications of optimization methods used in engineering and to formulate optimization problems as mathematical programming problems.
M18MC3350	Organization Development And Change	2019-20	Employability & Entrepreneurship - In this course, students learn and apply proven methods to help organizations achieve goals and build capabilities to meet future challenges. Emphasis will be placed on understanding how change impacts individuals, teams and organizations. This course will attempt to mirror the type of interactive communication and analytical processes that typically occur as organizations struggle to attain the objectives of their stakeholders in an intensely competitive environment
BBHO16F6400	Organizational Change And Development	2019-20	Employability: This enhances their employability and entrepreneurial skills as well as the conflict management approaches within formal organizational setup.
B18BE3010	Organizational Psychology	2019-20	Employability: Students learn basic concepts of organisational behaviour including personality, perception, attitudes and values. They also learn group process, group tasks, conflict management.
B18BH3010	Organizational Psychology	2019-20	Employability: Students learn basic concepts of organisational behaviour including personality, perception, attitudes and values. They also learn group process, group tasks, conflict management.
M18MB3613	Overseas Buyer Behaviour	2019-20	skill development and employability, Employability, Entrepreneurship: apply the concept of "cross-cultural" differences among the consumers of different societies /nations can be helpful in targeting and penetrating markets.

B19MT4080	Pathology_Ii_Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT3080	Pathology_I_Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT3030	Pathology_iii	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT5070	Pathology_iii_Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT4030	Pathology_Iv	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT6060	Pathology_Iv_Lab	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT5030	Pathology_V	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT6030	Pathology_Vi	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
B19MT1060'	Pathology-I	2019-20	skill development and employability: To aware about the history and basic concept of pathology, safety and basic histotechnology -To know about blood cell & plasma composition, coagulation factors and stage of blood cell formation -To know about RBC, normal and abnormal hemoglobins, oxygen transport and types of blood group -To learn about sectioning, staining of tissue and aware about various types of stain
B19MT2060'	Pathology-ii	2019-20	skill development and employability: - To learn basic about blood, their preservation technique, blood bank, antigen and antibody reaction -To known about blood and hemoglobin related disease, pathogenesis and related test. -To learn about minerals and vitamins related disease, Infectious and non-infection disease. -To get knowledge about transfusion related disease screening, transfusion related test and equipments or component
BTCE16F7330	Pavement Design And Construction	2019-20	Skill development: Provide the factors affecting design and performance of pavements and different terms related to pavement design. Provide different methods of multi-layer systems.
M19CT1051	Pavement Design Construction And Management	2019-20	Skill: students are introduced to drafting, techniques of graphic representations, basic building elements, materials
BTCE16F8230	Pavement Evaluation And Rehabilitation	2019-20	Employability and skill development and employability: illustrate the transportation planning process with all hierarchical levels, perform transportation surveys and analyse the required data
B18BH4212	Performance Management & Competency Mapping	2019-20	Employability: Students learn the concepts, process and methods of performance appraisal and compensation management. They understand the process of payroll fixing and administration, approaches of compensation management and the challenges faced in effective performance appraisal and compensation management. and the context of compensation practices followed in the Organization. The students develop employability skills in performance and compensation management
M18MC4350	Performance Management System	2019-20	skill development and employability - Students will apply problem solving methodology to generate innovative solutions to organisationsl effectiveness, efficiency and key short-term and long term drivers of these performance dimensions
B18CH3070	Personality Development & Leadership(Oe)	2019-20	skill development and employability: to provide students with a cohesive and integrated Personality Development Program which includes: Improves communication and leadership skills of the students. Complements the academic program and the student's long-term career objectives.
B19MT4040	Pharmacology	2019-20	Skill development and employability-Students learn comfortable using medical technologies of respective courses and lab equipment.
M18BC3041	Pharmacovigilance And Sas	2019-20	skill development and employability:The students can able to understand the various disorders concern with various organs like kidney ,Heart etc,and also thecan able to findout the cause and symptoms for cancer like. SAS: skill development and employability: Acquire knowledge on developing data scientists, Building and Sustaining a Collaborative Model on data analyst, analyst informatics.
B18PC4070	Physical Lab - Iv	2019-20	skill development and employability and employability: Develop experimental skills and study practical applications of electricity and magnetism. Study and analyse application of Ballistic galvanometer and CRO
B19IT2020	Physics	2019-20	skill development and employability: Students are trained on Physics in establishing the relevance of the theory. It brings clarity in the mind of the students regarding the basic concept of the subject.
B18PS3061/B18PC3060	Physics In Everyday Life(Oe)	2019-20	skill development and employability: To establish a broad concept of various types of electrical apparatus and instrumentation. To provide hands on experience with electrical apparatus
B19EL1080	Physics Lab	2019-20	Skill development and Employability:Students can work in medical testing lab, instruments testing labs,Manufacturing companies
B19IT2080	Physics Lab	2019-20	skill development and employability: Students are trained on Physics in establishing the relevance of the theory. It brings clarity in the mind of the students regarding the basic concept of the subject.
B18PS4070	Physics Lab - Iv	2019-20	skill development and employability and employability: Develop experimental skills and study practical applications of electricity and magnetism. Study and analyse application of Ballistic galvanometer and CRO
B18PC1070	Physics Lab -I	2019-20	skill development and employability: This course makes the students to understand theory better and develop the application skills in a practical situation
B19PS1070	Physics Lab-I	2019-20	skill development and employability: This course makes the students to understand theory better and develop the application skills in a practical situation
B19PC2080	Physics Lab-ii	2019-20	skill development and employability: This course makes the students to learn various laws thermodynamics through experiments and they also learn to determine physical constants through experiments.
B19PS2080	Physics Lab-ii	2019-20	skill development and employability: This course makes the students to learn various laws thermodynamics through experiments and they also learn to determine physical constants through experiments.
B18PC3090	Physics Lab-iii	2019-20	skill development and employability: To help the students to visualise simple harmonic wave motions and verify the theories that govern them. To visualise interference, diffraction and polarization of light. To use different optical phenomenon in different applications.
B18PS3070	Physics Lab-iii	2019-20	skill development and employability: To help the students to visualise simple harmonic wave motions and verify the theories that govern them. To visualise interference, diffraction and polarization of light. To use different optical phenomenon in different applications.
B18CE3100	Placement & Training - I	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personlity development
B18ME3090	Placement Training -I	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personlity development
B18ME4090	Placement Training -ii	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personlity development
M18JM4050	Placement Training(Soft Skills)	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personlity development

B18CE4090	Placement Training-II	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personality development.
M18BC3043	Plant And Industrial Biochemistry	2019-20	skill development and employability: Acquire knowledge about functions of cells, structure, function and biosynthetic pathways of essential biochemical molecules and their key chemical and physical properties, Develop an understanding of various aspects of Bioprocess Technology, screening of industrially important Strains. Employability: Opportunity in Plant breeding company, agriculture company and industrial microbiology company such as food & bakery company, wine company etc
BTCE16F8340	Plastic Analysis Of Structures	2019-20	skill development:To learn the concepts of equilibrium, degrees of freedom and classification of structural systems.To learn the energy concepts and theorems of structural mechanics.
B19JP1020	Political Science-I(Core Concepts Of Political Science)	2019-20	Employability and skill development and employability: Students learn to report the political beat reporting and process and its application in their work place. Students acquire to assess the fairness and neutrality in the most important beat in the media.
B19JP2020	Political Science-II (Understanding Political Theory)	2019-20	Employability and skill development and employability: Students learn to report the political beat reporting and process and its application in their work place. Students acquire to assess the fairness and neutrality in the most important beat in the media.
B18ME4043	Polymer Engineering	2019-20	Employability: Acquire the knowledge about the basic concepts of polymers, structural property and applications of polymers.
M18PS3013	Power Economics & Trading	2019-20	skill development and employability :The course is aimed at providing firm foundation to market economics and operations, demand and supply issues as well as key regulations and procedures governing market operations
B18EC4063	Power Electronics	2019-20	Employability:This course introduces the students to power Semiconductor devices, design different power converter circuits.
M18PS3012	Power System Dynamics And Control	2019-20	Employability and skill development and employability: The concepts of Dynamic modeling, stability analysis, and control of multi-machine power systems, are essential to build career as Power system engineer and also to assess the stability margins of their power systems and take preventive actions in case these margins are insufficient
M18PS1052	Power System Instrumentation	2019-20	Employability: The concepts of measurement of Active and reactive power in power plants, Energy meters, Instrument transformers and their transient response, Telemetry, Remote control, Remotesignaling etc are helpful in starting career as Power Plant Engineer.
M18PA4031	Practical -10 Kuchipudi	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18PA4042	Practical -11 Bharatanatyam	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18PA4050	Practical -12 Group Choreography	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
B18BA3041	Practical 3 - Bharathanatyam	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
B18BA3043	Practical 3 - Carnatic Vocal	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
B18BA3044	Practical 3 - Drama	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
B18BA3042	Practical 3 - Kuchipudi	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.

M18PA3043	Practical-8 Items - Mohinayattam	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18PA3044	Practical-8 Items - Odissi	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18PA3052	Practical-9 Items - Bharathanatyam	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18PA3055	Practical-9 Items - Kathak	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18PA3051	Practical-9 Items - Kuchipudi	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18PA3053	Practical-9 Items - Mohinayattam	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18PA3054	Practical-9 Items - Odissi	2019-20	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M19DS2061	Predictive Analytics Using Python	2019-20	Employability: Students are familiarized with predictive analytics using R programming that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
B18CH3040	Principles Of Banking	2019-20	Employability and skill development and employability: Here student can become an Insurance Agent and Basic concepts of Banking will be learnt by the students.
B19BE2040	Principles Of Marketing	2019-20	Employability, skill development and employability, Entrepreneurship: The course provides students an insight into various marketing concepts for solving marketing problems in the changing business environment.
B18CE4010	Probability And Sampling Theory	2019-20	skill development and employability, Employability: Students learn types of data, Interpret examples of methods for summarizing data sets, including common graphical tools (such as box plots, histograms and stem plots), Summarize statistics (such as mean, median, mode, variance and IQR), Assess which methods for summarizing a data set are most appropriate to highlight interesting features of the data, Identify the features that describe a data distribution. This will enhance their employability skills.
B19IT2010	Probability And Statistics	2019-20	skill development and employability: Students are familiarized between Probability & Statistics. Probability is the study of random events. It is used in analyzing games of chance, genetics, weather prediction, and a myriad of other everyday events. Statistics is the mathematics we use to collect, organize and interpret numerical data.
B18MC1050	Problem Solving Techniques Using C	2019-20	Employability and skill development and employability : the student will learn the programming languages required to design the various drug molecules to identify the targets for binding the biomolecules.
B18SM1050	Problem Solving Techniques Using C	2019-20	skill development and employability: Gain experience about structured programming , help students to understand the implementation of C language . Employeeability: Understand the basic terminology used in computer programming and use different data types in a computer program
B19PS1050	Problem Solving Techniques Using C	2019-20	skill development and employability: the students will learn about the basic programming language and implement for the development of softwares
B19IT1070	Problem Solving With Programming Lab	2019-20	skill development and employability, Entrepreneurship: Students are trained to develop the programs in C to solve the problems using structures, unions, pointers, file operations. Also to demonstrate the programming for a given problem using command line arguments.

M18MB3113	Product And Brand Management	2019-20	Employability , Entrepreneurship: The students get exposed to concept of brands and various theories of branding. It helps them to develop an understanding towards how to make something into an experience so customers develop a favourable attitude towards company's offering.
BRAR15FX302	Product Design	2019-20	Skill, entrepreneurship: students are introduced to the niche field of product design where they take into account ergonomics, user requirements, design intent and come up with product design with <u>innovative ideas for solving day to day issues.</u>
B18BE3020	Production And Operation Management	2019-20	Employability, Entrepreneurship : The course develops students in areas of Production and Operations management, that will enable them to understand manufacturing/operation/service functions and their application to an organization and orient and train students in methods, techniques and concepts.
B18BH3020	Production And Operation Management	2019-20	Employability, Entrepreneurship : The course develops students in areas of Production and Operations management, that will enable them to understand manufacturing/operation/service functions and their application to an organization and orient and train students in methods, techniques and concepts like: Project management, inventory management, quality management: as applied to manufacture.
M18MB3513	Productions And Operations Management	2019-20	Employability, Entrepreneurship : The course develops students in areas of Production and Operations management, that will enable them to understand manufacturing/operation/service functions and their application to an organization and orient and train students in methods, techniques and concepts like: Project management, inventory management, quality management: as applied to manufacture.
M19CS2052	Program Analysis	2019-20	skill development and employability: Students will be more focussed on Program Analysis is the process of automatically analyzing the behavior of computer programs regarding a property such as <u>correctness, robustness, safety and liveness.</u>
B19IT1030	Programming For Problem Solving	2019-20	skill development and employability, Entrepreneurship: Students are trained to develop the programs in C to solve the problems using structures, unions, pointers, file operations. Also to demonstrate the <u>programming for a given problem using command line arguments.</u>
BTEE17F6604	Programming In Java	2019-20	Employability:JAVA programming language is the most popular widely used programming language due to its significant benefits. Hence most of the industries prefers JAVA programming.
BS17CB503	Programming With Ruby & Python	2019-20	skill development and employability, Employability: Students will learn the implementation of python language, identify various features in python, solve the given problem using the syntactical structures of <u>python language.</u>
BS17CB506	Programming With Ruby & Python Lab	2019-20	skill development and employability, Employability: Students will learn the implementation of python language, identify various features in python, solve the given problem using the syntactical structures of <u>python language.</u>
BTCE16F8400	Project	2019-20	skill development and employability, Employability, Entrepreneurship:
M18MC4240	Project Management & Control	2019-20	Employability and skill development and employability: A project management report is a summary overview of the current status of the project. It is a formal record of the state of a project at a given time. Depending on the size and complexity of your project, the project management report may be required weekly or monthly. It is provided to all project stakeholders to help keep them up to date on the progress of the project and any pressing challenges the project may be facing. It helps students in <u>getting employed.</u>
M18PS3014	Project Management & Report Writing	2019-20	skill development and employability: This course deals with how to write and maintain a formal record of the state of a project at a given time. Student will gain the knowledge of projects management and <u>the need of documentaion</u>
M18MD3040	Project Phase - I	2019-20	Skill development and Employability: The course is intended to develop skills of literature survey , <u>finding research gaps and identifying problems</u>
M18SE3030	Project Phase-1	2019-20	Entrepreneurship, Employability and skill development and employability
M18TE3030	Project Phase-1	2019-20	Entrepreneurship, Employability and skill development and employability
M18DC4020	Project Work And Dissertation	2019-20	Employability and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M18PS4010	Project Work And Dissertation	2019-20	Employability, Entrepreneurship and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective <u>domain</u>
MTP17VS601	Project Work And Dissertation	2019-20	Employability and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
M18CS3030	Project Work Phase-1	2019-20	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students <u>develop their skills in Employability, Entrepreneurship .</u>
BSCB16F7400	Project Work-Phase -I	2019-20	skill development and employability, Employability, Entrepreneurship: Students develop a project <u>individually/in team based on the skills learnt in previous semesters.</u>
BSCB16F8300	Project Work-Phase II	2019-20	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students <u>develop their skills in Employability, Entrepreneurship .</u>
BA.LB167200	Property Law	2019-20	Employability, Entrepreneurship : The course provides the students an insight into the concepts and incidents of diverse transfers of immovable property. The course also helps the students to understand the underlying legal principles in respect of different kinds of mortgages and charge of properties along with rights and liabilities accruing to transferor and transferee in case of sale, gift and <u>exchange</u>
B18BJ3040	Psychology- III (Social Psychology)	2019-20	Employability and skill development and employability: Students learn the various aspects of the influence and importance of media in society. Students acquire the skill to assess the balanced and <u>fairplay flow of information in a democratic society.</u>
B19BJ1060	Psychology-I(Foundations Of Psychology-I)	2019-20	Employability and skill development and employability: Students learn the various aspects of developmental Psychology from birth till death, usage of the developmental psychological concepts in their daily lives. The concepts they learn are basic psychological concepts which they can also apply at work place. They also can understand themselves in each stage of development.
B18BJ4040	Psychology-IV(Development Psychology)	2019-20	Employability and skill development and employability: Students learn the various aspects of developmental Psychology from birth till death, usage of the developmental psychological concepts in their daily lives. The concepts they learn are basic psychological concepts which they can also apply at work place. They also can understand themselves in each stage of development.
17JE505	Psychology-V (Industrial Psychology-I)	2019-20	Employability and skill development and employability: Students learn the various aspects of Industrial Psychology, usage of the industrial psychological concepts in their daily lives. The concepts they learn are particular to organizational psychological concepts which they can also apply at work place.
17JE605	Psychology-V (Industrial Psychology-II)	2019-20	Employability and skill development and employability: Students learn the various aspects of Industrial Psychology, usage of the industrial psychological concepts in their daily lives. The concepts they learn are particular to organizational psychological concepts which they can also apply at work place.
17JE516	Psychology-VI(A)Abnormal Psychology-I	2019-20	Employability and skill development and employability: Students learn the various aspects of Abnormal Psychology, understanding the concepts of psychological disorders, symptoms, diagnosis and intervention strategies. It will also help them to understand if any one suffering from psychological <u>issues and help them to overcome from the issues.</u>

17JE526	Psychology-Vi(B) (Health Psychology-I)	2019-20	Employability and skill development and employability: Students learn the various aspects of Health Psychology, They can understand the various psychological issues along with physical illness and their interrelationship between them. This will help them to understand themselves and others. They can explore their knowledge in the field of Medical settings, industrial settings and social settings.
17JE616	Psychology-Viii(A) (Abnormal Psychology-II)	2019-20	Employability and skill development and employability: Students learn the various aspects of Abnormal Psychology, understanding the concepts of psychological disorders, symptoms, diagnosis and intervention strategies. It will also help them to understand if any one suffering from psychological issues and help them to overcome from the issues.
17JE626	Psychology-Viii(B) (Health Psychology-II)	2019-20	Employability and skill development and employability: Students learn the various aspects of Health Psychology, They can understand the various psychological issues along with physical illness and their interrelationship between them. This will help them to understand themselves and others. They can explore their knowledge in the field of Medical settings, industrial settings and social settings.
BA.LB168100	Public Administration	2019-20	Employability, Entrepreneurship & skill development and employability : The students are trained on drafting of criminal matters and conveyancing different deeds. The course also imparts the basic rules of Judgment Writing.
B18AL4030	Public International Law	2019-20	Employability : The course provides a storing foundation in questions of law making, sovereignty, jurisdiction, responsibility, enforcement, the settlement of disputes, and specific topics such as the use of force, Sovereign immunity and comprehensive details about law of the sea.
B18BL4030	Public International Law	2019-20	Employability : The course provides a storing foundation in questions of law making, sovereignty, jurisdiction, responsibility, enforcement, the settlement of disputes, and specific topics such as the use of force, Sovereign immunity and comprehensive details about law of the sea.
B18AL4010	Public Policy And Public Administration	2019-20	Employability : The course provides students an insight into the importance of public administration from its crucial role in the governing of a society. The study of public policy aspires to provide an in-depth understanding of the ills prevailing in the society and aids to identify the solutions for them.
M19CS2041	Python For Data Analysis	2019-20	skill development and employability, Employability: Students are trained in Python for Data Analysis that is widely used and is a favorite tool along being a flexible and open sourced language. Its massive libraries are used for data manipulation and are very easy to learn even for a beginner data analyst.
M19TCS2031	Python For Data Analysis	2019-20	Employability: Students are familiarized with Python for data analytics that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
B19IT2030	Python Programming	2019-20	Entrepreneurship: Students will learn to use python interpreter for designing simple programs. Demonstrate usage of object oriented features, file and exception handling. Trained to apply the knowledge of python and use the language scripting elements and constructs and repository of standard library, to develop real world and web based applications.
B19EM2040	Python Programming (I)	2019-20	Employability,skill development and employability:This course is an introduction to the Python programming language for students without prior programming experience. We cover data types, control flow, object-oriented programming, and graphical user interface-driven applications.
B19IT2070	Python Programming And Applications Lab	2019-20	Entrepreneurship: Students will learn to use python interpreter for designing simple programs. Demonstrate usage of object oriented features, file and exception handling. Trained to apply the knowledge of python and use the language scripting elements and constructs and repository of standard library, to develop real world and web based applications.
B18CA4090	Python Programming Lab	2019-20	skill development and employability, Employability: Students learn the implementation of python language, various features in python and the use of syntactical structures of python language. This enhances their employability skills in Data Analytics and Machine Learning.
B19EC2040	Python Programming(I)	2019-20	Employability,skill development and employability:This course is an introduction to the Python programming language for students without prior programming experience. We cover data types, control flow, object-oriented programming, and graphical user interface-driven applications.
BTCE16F7220	Rain Water Harvesting And Irrigation Engineering(Oe)	2019-20	skill development:To learn about Rain water available in give area to harvest, evaluate the effectively using rain water harvested to different purpose.
B18BA3030	Rasa Theory And Its Implication In Performing Arts	2019-20	skill development and employability, employability and entrepreneurship. This subject will teach the students the concept of rasa theory in the arena of Performing Arts and its intricacies.
B18MC3050	Rdbms	2019-20	Employability and skill development and employability : the student will learn the programming languages required to design the varoius drug molecules to identify the targets for binding the biomolecules.
B18SM3050	Rdbms	2019-20	skill development and employability: Learn and practice data modelling using the entity-relationship and developing database designs, design and implement a database schem for a given problem-domain Employeebility: Describe data models and schemas in DBMS and use SQL- the standard language of relational databases
B18BS3090	Rdbms Lab	2019-20	skill development and employability, Employability: The course provides insight into data management skills which plays a viatl role in employability. Students are familiarized with SQL, which enhances their querying abilities.
B18CA3090	Rdbms Lab	2019-20	skill development and employability, Employability: The course provides insight into data management skills which plays a viatl role in employability. Students learn to design , create and query the database.
B18MC3X20	Rdbms Lab	2019-20	Employability and skill development and employability : the student will learn the programming languages required to design the varoius drug molecules to identify the targets for binding the biomolecules.
B18SM3090	Rdbms Lab	2019-20	skill development and employability: Apply normalization techniques to normalize the database and understand the use of Structured Query Language (SQL) and learn SQL syntax Employeebility: Understand the functional dependencies and design of the database and understand the concept of Transaction and Query processing
M18PS1063	Reactive Power Management	2019-20	Employability: By studying this students will obtain the skill of measurement, mitigation and cause of Harmonics and also how to test the Performance of Reactive Power Equipment under different Operating Conditions. It provides Employability in TATA power valves,ABB, schneider electric, Bharath manufacturer etc.
BTEC15F8220	Real Time Dsp	2019-20	Employability: Students are trained to analyze Real Time Systems, know the importance of real time constraints and synchronization issues. They work for RTOS and resource management, achieve multitasking and concurrency and present RTOS tools and case studies
M18PS1064	Recent Trends In Grid Technology (Smart Grid)	2019-20	Employability: Students will obtain the skill to maintain grid stability, ensure power quality, enable sector coupling, deal with aging assets, and reduce costs. Students will be employed in Siemens, ABB, Schneider Electric, ISGF etc.
B18CA3040	Relational Database Management System	2019-20	skill development and employability, Employability: The course provides insight into data management skills which plays a viatl role in employability. Students are familiarized with SQL, which enhances their querying abilities.

B18BS3030	Relational Database Management Systems	2019-20	skill development and employability, Employability: Students learn the basic concepts in Database Systems and Relational Databases, steps in building E-R Diagrams and Normalization, practical skills using Oracle9i software to develop and alter tables, manipulate tables using update, deletion and arithmetic operations.
BTCE16F8310	Repair And Rehabilitation Of Structures	2019-20	Entrepreneurship, Employability and skill development and employability: Has learnt the causes for deterioration of concrete and Non Destructive Tests, has learnt about effect of corrosion and prevention of concrete.
B18BB4311	Retail Management	2019-20	Employability , Entrepreneurship: The students get exposed to concept of brands and various theories of branding. It helps them to develop an understanding towards how to make something into an experience so customers develop a favourable attitude towards company's offering.
B18BH4311	Retail Management	2019-20	Employability , Entrepreneurship: The students get exposed to concept of brands and various theories of branding. It helps them to develop an understanding towards how to make something into an experience so customers develop a favourable attitude towards company's offering.
B18BC4511	Retail Marketing	2019-20	Employability - Students understand the concepts of marketing strategies for product & services management. They also learn the skills of personal selling & customer management.
M18SE3010	Roads And Building Structures(Oe)	2019-20	skill development and employability:To learn about traffic characteristics and control over the vehicles. Provide conceptual details of highway geometric design and drainage systems. Describe building planning and Bye-Laws. Provide different aspects of building construction.
M19DS2041	Robotic Process Automation	2019-20	skill development and employability, Employability: Students are familiarized in Automation Robotics w.r.t: Reduce Production Cost - A quick return on investment (ROI) outweighs the initial setup costs. All of the following automation advantages reduce production cost. Decrease in Part Cycle Time - A lean manufacturing line is crucial for increasing efficiency.
B18CE4062	Rural Infrastructure Development	2019-20	skill development and employability,Entrepreneurship & Employability: To learn about the Rural structural construction planning and management.
BTME16F7630	Safety Engineering(Oe)	2019-20	Employability: Students are familiarized with Safety engineering concepts that provide the structure for both safety and industrial design engineers to develop intrinsically safe equipment, systems, processes and facilities. When employed early in a design process, safety engineers provide insight into how people will interface with the equipment and facility design.
M18DC3014	Satellite Communication	2019-20	skill development and employability, Employability:Students are familiarized with every aspect of satellite communication like orbital mechanics, launching techniques, satellite link design, earth station technology and different access system towards a satellite. They are also familiarized with different multiple access like TDMA FDMA and CDMA, different communication networks and application of satellite communication.
M18PS1053	Scada And Plc System And Application	2019-20	Employability: This course provides the students to develop the ladder diagram for any processing industry. By studying this subject students can have employment in manufacturing and service industries such as automotive, pharmaceutical, power distribution, food processing, mining, and transportation. Other career prospects include areas as machine assembly, troubleshooting and testing, systems integration, application support, maintenance, component testing and assembly, automation programming, robot maintenance and programming, technical sales and services.
M18MC3250	Security Analysis And Portfolio Management	2019-20	Employability and skills : they can work as fund manager and financial adviser in Financial service oriented companies. Investment analysis can be done, risk and returns estimating skills can be acquired.
B19BE2070	Self Study Components(Mooc/Swayam/Online Course)	2019-20	Employability, skill development and employability,Entrepreneurship: The students will involve them self in self-learning of interested course.
B19BH2070	Self Study Components(Mooc/Swayam/Online Course)	2019-20	Employability, skill development and employability,Entrepreneurship: The students will involve them self in self-learning of interested course.
B18BB4050	Self Study Components(Online Course)	2019-20	skill development and employability & Employability: Students are allowed to take up decisions related to self learning.
B18BE4070	Self Study Components(Online Course)	2019-20	Employability, skill development and employability,Entrepreneurship: The students will involve them self in self-learning of interested course.
B18BH4050	Self Study Components(Online Course)	2019-20	skill development and employability & Employability: Students are allowed to take up decisions related to self learning.
B19BB2080	Self Study Components(Online Course)	2019-20	skill development and employability, Employability : Introduce students to the world of new skills required at the work place and upto date their knowledge.
BTCE16F7900	Seminar	2019-20	skill development and employability: Seminars help in enhancing the knowledge of specific area which they have chosen.
MTP17V5502	Seminar	2019-20	skill development and employability: Seminars help in enhancing the knowledge of specific area which they have chosen.
B18BE4050	Service Marketing	2019-20	Employability: Students learn the basic principles and concepts of service management. Equip with the knowledge of design, delivery, and management of services. It also helps students develop analytical and problem-solving skills relating to service management.
B18BB3020	Service Sector Management	2019-20	Employability: Students learn the basic principles and concepts of service management. Equip with the knowledge of design, delivery, and management of services. It also helps students develop analytical and problem-solving skills relating to service management.
M18MB3112	Services Marketing	2019-20	Employability , Entrepreneurship: The students get exposed to the nuances of service management and gain an understanding of how services are different from physical products and why and how it requires a separate marketing approach. They develop an understanding of various service industries and its challenges.
M19CT2063	Shoring, Scaffolding And Formwork	2019-20	Skill, Employability: students are trained in shoring, scaffolding uses.
B18EC3040	Signals & Systems	2019-20	skill development and employability:This course introduces the students to Continuous and Discrete-time signals and systems,Linear Time Invariant Systems, Fourier Series, Fourier transforms and Z transforms.
B18AR3060	Site Survey And Planning	2019-20	skill: students are equipped to read, understand and deal with a site along with basic survey and levelling skills.
B18EC4101	Skill Development And Employability	2019-20	Employability: Mini project helps the students to nurture their ideas in the form of real life implementable projects.
M18MB3040	Skill Development And Employability	2019-20	Employability : The course facilitates the students to acquire the basic knowledge of latest skills in Industry.
M18MB4030	Skill Development And Employability	2019-20	Employability , Entrepreneurship, skill development and employability: The students learn how to identify a problem or opportunity and design survey methods that end up with data that help in decision making. They work with various statistical tools to analyse data.
M19MB1070	Skill Development And Employability	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personality development.
B19IT1090	Skill Development And Employability - 1	2019-20	skill development and employability: Students are trained and received the certifications on latest technologies that will help them in building their career.
B18BA3070	Skill Development And Employability - 2 (Indian Dance Makeup)	2019-20	skill development and employability. This subject focusses on the skill development and employability of the subject that are related to performing arts for their further development in their career.
B19BB1070	Skill Development And Employability Course	2019-20	Employability and skill development and employability: Students learn reading, writing, listening and presentation skills essential to workplace success and regional acceptancy.
B19BH1070	Skill Development And Employability Course	2019-20	Employability and skill development and employability: Students learn reading, writing, listening and presentation skills essential to workplace success and regional acceptancy.

B18CS4080	Skill Development And Employability -4	2019-20	skill development and employability: Students are trained and received the certifications on latest technologies that will help them in building their career.	
B18BB3070	Skill Development And Employability Course	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personality development	
B18BB4040	Skill Development And Employability Course	2019-20	skill development and employability & Employability: Students are allowed to take up decisions related to soft skills	
B18BC3070	Skill Development And Employability Course	2019-20	Employability and skill development and employability: It enables the students to have outworld exposure and a real time experience of finding the gap between their study and its implementation.	
B18BC4040	Skill Development And Employability Course	2019-20	employability, skill development and employability	
B18BE3080	Skill Development And Employability Course	2019-20	skill development and employability, Employability : Introduce students to the world of new skills required at the work place and upto date their knowledge.	
B18BE4080	Skill Development And Employability Course	2019-20	skill development and employability, Employability : Introduce students to the world of new skills required at the work place and upto date their knowledge.	
B18BH3080	Skill Development And Employability Course	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personality development	
B18BH4060	Skill Development And Employability Course	2019-20	skill development and employability & Employability: Students will get the updated skills needed for students development	
B18CH3080	Skill Development And Employability Course	2019-20	employability, skill development and employability	
B18CH4050	Skill Development And Employability Course	2019-20	employability, skill development and employability	
B19BB2070	Skill Development And Employability Course	2019-20	Employability, skill development and employability, Entrepreneurship: The students will involve them self in self-learning of interested course.	
B19BC1070	Skill Development And Employability Course	2019-20	skill development and employability: The students will have to undergo skill development and employability course which will be conducted by Training and Placement about the Group discussion, Aptitude test etc.	
B19BC2070	Skill Development And Employability Course	2019-20	Employability and skill development and employability: The students will have to undergo skill development and employability course which will be conducted by Training and Placement about the Group discussion. Aptitude test etc.	
B19BE2080	Skill Development And Employability Course	2019-20	skill development and employability, Employability : Introduce students to the world of new skills required at the work place and upto date their knowledge.	
B19BH2080	Skill Development And Employability Course	2019-20	skill development and employability, Employability : Introduce students to the world of new skills required at the work place and upto date their knowledge.	
B19CH1070	Skill Development And Employability Course	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personality development	
B19CH2070	Skill Development And Employability Course	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personality development	
M18MC3040	Skill Development And Employability Course	2019-20	Employability, skill development and employability - Students shall undergo skill development and employability course being organised by the school or Training and Placement cell of the University.	
M18MC4030	Skill Development And Employability Course	2019-20	skill development and employability: The students will have to undergo skill development and employability course which will be conducted by Training and Placement about the Group discussion, Aptitude test etc.	
M19MC1070	Skill Development And Employability Course	2019-20	Employability, skill development and employability - Students will undergo skill development and employability course being conducted by the Training and Placement Centre of the University.	
M19MC2080	Skill Development And Employability Course	2019-20	Employability, skill development and employability - Students shall undergo skill development and employability course being organised by the school or Training and Placement cell of the University.	
M18PS3030	Skill Development And Employability Program/Certification Program	2019-20	Employability, Entrepreneurship and skill development and employability: Depending on the area in which the skill development and employability course is carried out , it enhances the knowledge and employability in the respective domain	
M18PH2070	Skill Development And Employability Programme	2019-20	skill development and employability	
B19BA2080	Skill Development And Employability-1(Multimedia & Designing)	2019-20	skill development and employability, employability and entrepreneurship. This subject will teach the students the course of multi media in the arean of Performing Arts.	
B19IT2110	Skill Development And Employability-2	2019-20	skill development and employability: Students are trained and received the certifications on latest technologies that will help them in building their career.	
B18CS3090	Skill Development And Employability-3	2019-20	skill development and employability: Students are trained and received the certifications on latest technologies that will help them in building their career.	
B18EE3X10	Skill Development Program	2019-20	Employability and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain	
MTC519240	Soc Scenarios	2019-20	They will be able to analyse the security information (Events / Flows / VA), Detect an anomaly, Correlate security data, Stitching siloed events to Identify an Incident. Can lead the security operations for an enterprise.	
B18BA3060	Social Psychology	2019-20	Employability, skill development and employability and entrepreneurship. This subject will teach the students the historical and scientific origin and the development of the social psychology in the indian and western contexts. it generates awareness about the major theories and the current findings in the research topics of that area.	
B18EE3090	Soft Skill	2019-20	Employability and skill development and employability: The knowledge of designing of circuits using various software make the students employable in electronic circuit design industries and also knowledge of different software languages helps them in getting placed in software companies.	
B18EE4090	Soft Skill	2019-20	Employability and skill development and employability: The knowledge of designing of circuits using various software make the students employable in electronic circuit design industries and also knowledge of different software languages helps them in getting placed in software companies.	
M18BT3070	Soft Skill	2019-20	skill development and employability : The course focuses on training students on core technical, aptitude, coding, reasoning skills and verbal ability and are company specifically trained by the industry veterans to match the industry expectations. The course also provides intensive soft skills and personality development training to promote and foster their ability to see a task through its conclusion.	
M18MC3030	Soft Skill	2019-20	Employability, skill development and employability - Students will undergo skill development and employability course being conducted by Training and Placement cell of the University.	
M19MS2070	Soft Skill	2019-20	skill development and employability, Employability, Entrepreneurship: The students will have to undergo skill development and employability course being conducted by Training and Placement cell of the University.	
B18EC4091	Soft Skill -li	2019-20	Employability and skill development : Mini project helps the students to nurture their ideas in the form of real life implementatble projects.	
B18BC3080	Soft Skill Training	2019-20	Employability and skill development and employability: It enables the students to have outworld exposure and a real time experience of finding the gap between their study and its implementation.	
B18CH3090	Soft Skill Training	2019-20	employability, skill development and employability	

B18MC4060	Soft Skill Training	2019-20	skill development and employability : The course focuses on training students on core technical, aptitude, coding, reasoning skills and verbal ability and are company specifically trained by the industry veterans to match the industry expectations. The course also provides intensive soft skills and personality development training to promote and foster their ability to see a task through its conclusion.
B18PC4060	Soft Skill Training	2019-20	Employability, skill development and employability,Entrepreneurship: The course provide soft skills used in business world.
B18SM4060	Soft Skill Training	2019-20	skill development and employability and Employability: Students are trained in SoftSkills that includes communication skills, Attitude, Presentation Skills, Interview Skills etc...
M18MB3030	Soft Skill Training	2019-20	Employability : The course facilitates the students to acquire the basic knowledge of latest skills in Industry
M19MB2050	Soft Skill Training	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personlity development
B18BB3080	Soft Skill Training (Placement Department)	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personlity development
B18BE3090	Soft Skill Training (Placement Department)	2019-20	Employability, skill development and employability,Entrepreneurship: The course provide soft skills used in business world.
B18BH3090	Soft Skill Training (Placement Department)	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personlity development
B18BB4030	Soft Skill Training(Placement Department)	2019-20	skill development and employability & Employability: Students are allowed to take up decisions related to soft skills
B18BC4030	Soft Skill Training(Placement Department)	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personlity development
B18CH4040	Soft Skill Training(Placement Department)	2019-20	Employability and skill development and employability: To have hands on experience with respect placements and personlity development
B18BE4060	Soft Skill Training(Placement Dept)	2019-20	skill development and employability & Employability: Students are allowed to take up decisions related to soft skills
B18BH4040	Soft Skill Training(Placement Dept)	2019-20	skill development and employability & Employability: Students are allowed to take up decisions related to soft skills
M18BC3060	Soft Skill(Rulo)	2019-20	skill development and employability : The course focuses on training students on core technical, aptitude, coding, reasoning skills and verbal ability and are company specifically trained by the industry veterans to match the industry expectations. The course also provides intensive soft skills and personality development training to promote and foster their ability to see a task through its conclusion.
B18EC3090	Soft Skill-1	2019-20	Employability/ Entrepreneurship/ skill development and employability: Mini project helps the students to nurture their ideas in the form of real life implementatble projects.
B18AL4080	Soft Skills	2019-20	skill development and employability : The course focuses on training students on core technical, aptitude, coding, reasoning skills and verbal ability and are company specifically trained by the industry veterans to match the industry expectations. The course also provides intensive soft skills and personality development training to promote and foster their ability to see a task through its conclusion.
B18BL4080	Soft Skills	2019-20	skill development and employability : The course focuses on training students on core technical, aptitude, coding, reasoning skills and verbal ability and are company specifically trained by the industry veterans to match the industry expectations. The course also provides intensive soft skills and personality development training to promote and foster their ability to see a task through its conclusion.
B18BS3070	Soft Skills	2019-20	skill development and employability, Employability: Students are trained in SoftSkills that includes communication skills, Attitude, Presentation Skills, Interview Skills etc....
B18BS4070	Soft Skills	2019-20	skill development and employability, Employability: Students are trained in SoftSkills that includes communication skills, Attitude, Presentation Skills, Interview Skills etc....
M18CA3070	Soft Skills	2019-20	skill development and employability, Employability: Students are trained in SoftSkills that includes communication skills, Attitude, Presentation Skills, Interview Skills etc....
M18CA4070	Soft Skills	2019-20	skill development and employability, Employability: Students are trained in SoftSkills that includes communication skills, Attitude, Presentation Skills, Interview Skills etc....
M18MS3050	Soft Skills	2019-20	skill development and employability, Employability: Students are trained in SoftSkills that includes communication skills, Attitude, Presentation Skills, Interview Skills etc....
B18CS3110	Soft Skills -1	2019-20	skill development and employability: Students are trained and received the certifications on latest technologies that will help them in building their career.
B18CS4090	Soft Skills -2	2019-20	skill development and employability: Students are trained and received the certifications on latest technologies that will help them in building their career.
B18CA3070	Soft Skills Training	2019-20	skill development and employability, Employability: Students are trained in SoftSkills that includes communication skills, Attitude, Presentation Skills, Interview Skills etc....
B18CA4070	Soft Skills Training	2019-20	skill development and employability, Employability: Students are trained in SoftSkills that includes communication skills, Attitude, Presentation Skills, Interview Skills etc....
M19MC2050	Soft Skills Training & Aptitude	2019-20	Employability, skill development and employability - Students will undergo skill development and employability course being conducted by Training and Placement cell of the University.
M18DC3015	Software Defined Radio	2019-20	skill development and employability: Radio's operating functions implementation through modifiable software or firmware operating on programmable processing technologies. used in application specific programmable processors. this allows new wireless features and capabilities to be added to existing radio systems without requiring new hardware.
BS17CB604	Software Engineering	2019-20	Entrepreneurship skill development and employability, Employability: Students learn to classify the various Software Process Models, to analyze a given problem and identify requirements, to design a software using standard software engineering techniques, to apply well defined software testing strategies to produce quality software.
B18CA4063	Software Project Management	2019-20	skill development and employability, Employability, Entrepreneurship: Students learn to design the activities of software project scheduling that includes, resource allocation, estimation, quality standards for evaluation for the projects. This will enhance their employability skills.
BSCB16F7510	Software Project Management	2019-20	Entrepreneurship skill development and employability, Employability: Students learn the fundamental principles of Software Project management & also have a good knowledge of responsibilities of project manager and to handle the various projects, get familiar with the different methods and techniques used for project management, gain knowledge of the issues and challenges faced while doing the Software project Management. Will be able to know the reasons for the software projects failures and how that failure probability can be reduced effectively, do the Project Scheduling, Tracking, Risk analysis, Quality management, able to estimate the Project Cost using different techniques.
B18EC4061	Solid State Devices Theory	2019-20	skill development and employability:This course introduces the students to the Solid State Devices, Fabrication Process, Energy Band Diagrams, Metal Oxide Silicon Systems.
BTCE16F7100	Solid Waste Management	2019-20	skill development, Employability: Gain an understanding on types of sewerage system, dry weather flow, wet weather flow and design of hydraulic elements of sewers. Understand the various sewer materials, sewer appurtenances and the basic principles of house drainage.
M19CT1061	Special Concretes	2019-20	Entrepreneurship, Employability and skill development and employability: Has learnt the different types of cement replacement materials and Light weight concrete, has learnt about High Density concrete and ferro-cement
B18AL3060	Sports	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..

B18SM3080	Statistical Inference Lab-I	2019-20	skill development and employability: Characterize the sampling distributions, classify the different techniques of point estimation for estimating the parameter values and describe the interval estimation and simulation. Employeeability: Define the sampling distributions, differentiate the different techniques of point estimation for estimating the parameter values and Compare the parameters of interval estimation and simulation.
B18SM3040	Statistical Inference-I	2019-20	skill development and employability: Characterize the sampling distributions, classify the different techniques of point estimation for estimating the parameter values and describe the interval estimation and simulation. Employeeability: Define the sampling distributions, differentiate the different techniques of point estimation for estimating the parameter values and Compare the parameters of interval estimation and simulation.
B19CH2030	Statistics For Business -ii	2019-20	Employability and skill development and employability: Students will be provided with the knowledge of statistical methods and their commercial application for effective decision making in business.They will learn to analyse and interpret the correlation between two variables and to understand the concept of regression in estimation of value of one variable from known set of data.
BTCE16F7600	Steel Structures Design And Drawing-Manual	2019-20	skill development,Entrepreneurship & Employability: To learn about the concepts and principles of limit state design of steel structures, To learn about the provisions of I.S.Codes 800, 875, To learn about the concepts and principles of plastic analysis
B18CH4211	Stock And Commodity Market	2019-20	Employability, Entrepreneurship and skill development and employability: Students will be acquainted with the basic concepts of the stock market and the process of registration and they can also trade in the stock markets.
M18MC4130	Strategic Cost Management	2019-20	skill development and employability - Students will apply problem solving methodology to generate innovative solutions to organisationsl effectiveness, efficiency and key short-term and long term drivers of these performance dimensions.
B18BB4211	Strategic Human Resource Management	2019-20	Employability: Students learn about the concept, importance and functions related to managing employees in MNCs and in international setting. They gain awareness about various approaches adopted in international scenario in human resources management and their practical implications. Students become aware as to how to manage international employees in MNCs through various IHRM practices. This improves their employability skills in people management.
B18BC4411	Strategic Human Resource Management	2019-20	Entrepreneurship, Employability - It will familiarize the students about the different aspects of managing people in the organizations and retention.
M18MB4010	Strategic Management	2019-20	Employability, skill development and employability,: Students are introduced to various strategies adopted by the companies to run their business sucessfully and students also learn the skills to decipher and develop strategies for business.They analyse through various case studies and group discussion
M18MB3213	Strategic Talent Management	2019-20	Employability - This course helps students to be more familiar with the advance HR functions. This course is designed to create symbiotic relationship between talent and organization to accelerate performance improvements by instituting talent management system that ensures identification, management, development of talent norifolio.
B18CE3090	Strength Of Material Testing	2019-20	skill development and employability & Employability: To undstand the properties of solids, types of solids.
B18CE4020	Structural Analysis	2019-20	skill development and employability:To learn the concepts of equilibrium, degrees of freedom and classification of structural systems.To learn the energy concepts and theorems of structural mechanics.
B18AR3020	Structural Systems And Building Construction-iii	2019-20	Skill, Employability, : students are trained in construction of window openings, concrete slabs and damp proofing techniques for buildings.
B18AR4020	Structural Systems And Building Construction-iv	2019-20	Skill, Employability, : students are trained in construction of window openings, concrete slabs and damp proofing techniques for buildings.
BTCE16F7520	Structures On Expansive Soils	2019-20	skill development and employability: To understand the expansive soil properties and structures on black cotton soil
M18BC4020	Submission Of Project Work And Evaluation	2019-20	Skill development and employability : Acquire the knowledge of literature survey, research methodology, interpretation of data, report writing and hands on experience of Extraction or synthesis and characterization of different medicinal compounds using different characterization techniques and studying the biological activity of biomolecules.
B18BE4090	Summer Internship Project-2	2019-20	Employability , Entrepreneurship, skill development and employability: The students learnabout different techniqes. They work on various aspects of organization a take up a study to research.
B18BH4070	Summer Internship Project-2	2019-20	Employability
B18BB4060	Summer Internship-2(Minor Project)	2019-20	Employability , Entrepreneurship, skill development and employability: The students learnabout different techniques. They work on various aspects of organization a take up a study to research.
B19BB2090	Summer Internship-I(Minor Project)	2019-20	skill development and employability & Employability: Students are allowed to take up minor project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted to the department.
B19BE2090	Summer Internship-I(Minor Project)	2019-20	skill development and employability & Employability: Students are allowed to take up minor project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted to the department.
B19BH2090	Summer Internship-I(Minor Project)	2019-20	skill development and employability & Employability: Students are allowed to take up minor project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted to the department.
M18BC4030	Swayam/Mooc	2019-20	Employability, Entrepreneurship, skill development and employability : Students are encouraged to choose from a variety of courses in the digital platform that are interactive and are prepared by the best teachers in the world. This digital platform can be utilized by students to upgrade their knowledge and skills.
BSCB16F8220	System Simulation And Modelling	2019-20	Entrepreneurship skill development and employability, Employability: Students learn the importance simulation and .modeling in a range of important application areas, explain the event – scheduling, time-advance algorithm in computer networks, introduce discrete event stochastic models and queuing models, learn the benefits of probability, random process verification and validation of the models.
BA.LB167500	Taxation Law/Principles Of Taxation(Direct Tax)	2019-20	Employability, Entrepreneurship : The course gives an overview of income tax and wealth tax and the ways and means of determining tax liability. The course also focuses on computation of net wealth and incomes which do not form part of the total income.
B19BS1060	Technical English	2019-20	skill development and employability : Students are taught basic communication skills in English that includes listening , reading, and writing skills needed for academic as well as workplace context. Students also learn the use of electronic media such as internet and supplement the learning materials used in the classroom
B19IT1060	Technical English 1	2019-20	skill development and employability: Listen/view and comprehend different spoken discourses/excerpts in different accents. speak clearly, confidently, comprehensibly, and communicate with one or many listeners using appropriate communicative strategies. read different genres of texts adopting various reading strategies. write cohesively and coherently and flawlessly avoiding grammatical errors, using a wide vocabulary range, organizing their ideas logically on a topic.

B19EL1070	Technical English I	2019-20	Skill development: This course helps in Communication enhancement
B19MT1060	Technical English I	2019-20	skill development and employability: Interpret audio files and comprehend different spoken discourses/ excerpts in different accents (Listening Skills). Demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills). Review the use of reading different genres of texts adopting various reading strategies (Reading Skills). Determine the ability to write cohesively, coherently and flawlessly avoiding grammatical errors, using a wide vocabulary range, organizing their ideas logically on a topic (Writing Skills).
B19EL2070	Technical English II	2019-20	Skill development :Communication enhancement
B19EM1070	Technical English-1	2019-20	Employability and skill development and employability: To enable learners of Engineering and Technology develop their basic communication skills in English.To emphasize specially the development of speaking skills amongst learners of Engineering and Technology.
B19EM2060	Technical English-2	2019-20	Employability,skill development and employability:The goal of this course is to prepare engineering students with the individual and collaborative technical writing, presentation, and research skills necessary to be effective technical communicators in academic and professional environments.
B19IT2040	Technical English-2	2019-20	skill development and employability, Employability: Students are trained to organize their opinions clearly and meaningfully. To demonstrate the ability to speak appropriately in social and professional contexts. Also to take part in interviews confidently.
B19MT2060	Technical English-II	2019-20	skill development and employability: Interpret opinions clearly and meaningfully. Demonstrate the ability to speak appropriately in social and professional contexts. Observe to build inferences from the text. Interact in interviews confidently. Develop accurate writing skills using different components of academic writing.
M18SE4010	Technical Seminar With Report	2019-20	skill development and employability: Seminars help in enhancing the knowledge of specific area which they have chosen.
M18TE4010	Technical Seminar With Report	2019-20	skill development and employability: Seminars help in enhancing the knowledge of specific area which they have chosen.
M18JM4032	Technical Writing	2019-20	Employability and skill development and employability: Students learn the various levels of paraphrasing , precis writing, brochure writing and user manual writing and use in their work place. They develop creative writing skills.
M18MB4512	Technology And Innovation Management	2019-20	Employability , Entrepreneurship, skill development and employability: The students learn how to identify a problem or opportunity and design innovation through latest technology to solve business problem.
B18BA4020	Textual Traditions In Performing Arts	2019-20	Employability, skill development and employability and entrepreneurship. This subject will teach the students to understand the tangible heritage of Indian and the different arenas where the traditions and cultures could be found related to performing arts. It will also make the students learn the different texts from ancient, medieval and modern periods related to Performing Arts
B18AL3060	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B18BL3060	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B18EC3X10	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B18EE4X10	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19BB1080	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19BC1080	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19BG2070	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19BH1080	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19BJ2070	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19CA2070	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19CH1080	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19IT2120	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19JP2050	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19MC2070	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19MT2X10	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19PC2070	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19PS2070	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19SM2070	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
M18DC3400	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
B19MT2070	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.

M18PH2060	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M18VL3040	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M19CA1070	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M19MS1070	Theatre	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B18ME3260	Theory Of Metal Cutting And Machine Tools	2019-20	Employability & Entrepreneurship: Understand chip forming processes such as turning, milling, drilling, etc., the design aspects of cutting Tools and Economics of machining. Distinguish between the conventional and modern machine tools.
M19PA2020	Traditional Theatres Of India And Western Ballet	2019-20	Employability, skill development and employability and entrepreneurship. This subject will teach the students the history of the traditional theatres of India and also the fundamental aspects of the western ballet like its introduction. it will help the students understand the socio cultural significance of the theatres in India.
M19CS2053	Ui/Ux Design	2019-20	skill development and employability: Students learnt prototyping on paper, tools like invision, POP, FluidUI, Sketch and the best practices in prototyping and UI/UX design.
B18BE3030	Understanding Business Opportunities	2019-20	Employability, skill development and employability, Entrepreneurship: The course provide the skills used in business world to analyse the opportunity and innovate.
M18DC3011	Underwater Communication And Networking	2019-20	Employability, skill development and employability: skill development and employability, Employability: The course provides knowledge of characteristic of wireless channel, the concepts behind various digital signaling schemes for fading channels
M19CS2051	Unix System Programming	2019-20	skill development and employability: Studnts are trained on Unix system programming that is most widely used in all forms of computing systems such as desktop, laptop, and servers.
BRAR16F7700	Vacation Assignment / Study Trip / Summer Course	2019-20	Skill: students learn to self train themselves through travel, site visits of self done projects
MTC519150	Vulnerability Assessment And Penetration Testing (Vapt)	2019-20	This course provides practical skills in Vulnerability Assessment and Penetration testing for applications and Infrastructure. The course will detail out key issues of application security and how to identify them using tools such burp and zap. It will help in understanding the underlying cause of the issues from the developer perspective and handling the remediation. The course covers concepts like social engineering, malwares and denial of service attacks, understanding how these things work. Builds skills and employability.
B18CE4040	Water And Waste Water Engineering	2019-20	skill development and employability, Entrepreneurship & Employability: To learn about the precipitation and related losses of water, concept of hydrographic and runoff.
B18PS3030	Waves	2019-20	skill development and employability and employability: progressive and simple harmonic wave motions and the mathematical equations that govern them. superposition of simple harmonic wave motions and the phenomenon related to them. theory of light and the basic design principles of optical instruments. interference, diffraction and polarization of light.
B18PC3030	Waves, Acoustics And Optics	2019-20	skill development and employability and employability: progressive and simple harmonic wave motions and the mathematical equations that govern them. superposition of simple harmonic wave motions and the phenomenon related to them. theory of light and the basic design principles of optical instruments. interference, diffraction and polarization of light.
BSCB16F8210	Wireless Sensor Networks And Internet Of Things	2019-20	Entrepreneurship skill development and employability, Employability: Students learn the basics of things in IoT, identify different IoT applications and their application areas, explain the emerging field of wireless sensor networks, which consist of many tiny, low-power devices equipped, with sensing, computation, and wireless communication capabilities., describe operating systems, radio communication, networking protocols.
M18DC3013	Wireless Testing And Automation	2019-20	skill development and employability: This course provides introduction about different wireless technologies like GSM GPRS, EDGE UMTS will study the development of TTCN-3, understand TTCN in detail for software testing, will know the case study Procedure-Based Communication in TTCN-3,
MTC519230	Working With Qradar	2019-20	The learners work with SIEM and collect and correlates real time Event & Flow analytics. Skills and employability focused course.
B19MT1070	Workshop Practice	2019-20	skill development and employability: Identify the various fitting tools. Demonstrate and produce different types of fitting models. Employability: Make simple sheet metal models and apply the skill in real.
M18MB4513	World Class Manufacturing	2019-20	skill development and employability & Employability: Students are allowed to take up decisions related to various manufacturing
B18AL3060	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B18BL3060	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B18CE4100	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B18EC3X10	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B18EE4X10	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BA1080	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BB1080	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BC1080	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BG2070	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BH1080	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
B19BJ2070	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.

B19BS1070	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B19CA2070	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B19CH1080	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B19IT2120	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B19JP2050	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B19MC2070	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B19MT2X10	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B19PC2070	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B19PS2070	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B19SM2070	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M18DC3400	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M18PH2060	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M18VL3040	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M19BT2090	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M19CA1070	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M19MS1070	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M19PA1080	Yoga	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18ME3X10	Yoga/ Sports/ Theatre/ Music / Dance	2019-20	Employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M18MD3050	Yoga/ Sports/ Theatre/ Music / Dance	2019-20	Employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M18PS3060	Yoga/Sports/Performing Arts(Rulo)	2019-20	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
2018-19				
B18BE6042	Professionalization of Family Business	2018-19	This course familiarize the learner with the fundamentals of family business professionalization process. And provides the information various aspects associated with professionalization of family business	EDII-MoU
B18BJ2070	Music/ Dance/ Yoga/ Sports/ Theatre	2018-19	Employability and Skill Development: Students learn the various levels of Radio program production techniques and use them in their work place. They develop to analyze the process of scripting, Radio Jockeying and sound editing aspects.	Website (Sem 3, B A in Performing Arts, English and Psychology)
M18MC1070	Skill Development	2018-19	Employability, Skill development - Students will undergo Skill Development course being conducted by the Training and Placement Centre of the University.	MoU MECHAM, PWS HR consultancy
M18MC2050	Soft Skill Training	2018-19	Employability, Skill development - Students will undergo Skill Development course being conducted by Training and Placement cell of the University.	MoU MECHAM, PWS HR consultancy
B18BE2050	Entrepreneurialompetency Development	2018-19	Employability, Skill Development, Entrepreneurship: The course develops the skills related to entrepreneurial activity.	EDII-MoU
B18EC4062	Data structure Using C++	2018-19	Employability, Skill Development: T Fundamentals concepts, stack, queue, tree, linked list , algorithms, coding techniques.	MoU Indian Tech keys
B18EC2040	Python Programming (I)	2018-19	Employability, Skill Development: This course is an introduction to the Python programming language for students without prior programming experience. We cover data types, control flow, object-oriented programming, and graphical user interface-driven applications.	MoU Indian Tech keys
MTC517F2200	Big Data and Analytics Using R	2018-19	Employability: Students are familiarized with data analytics that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.	MoU SASI
BSCB16F5200	Big Data Analytics using Hadoop	2018-19	Entrepreneurship Skill Development, Employability: Students learn to install and configure Hadoop on single machine, to install and configure Hadoop on Multiple machine (cluster), to perform Hadoop administrative tasks and get a strong foundation knowledge about Hadoop cloud. This will enhance their employability skills.	MoU SASI
BSCB16F5300	Programming with Ruby & Python	2018-19	Entrepreneurship Skill Development, Employability: Students learn to write programs using ruby and python, Develop simple web application using python and Ruby and connect to database to store student information. This will enhance their employability skills.	MoU Indian Tech keys
B18BE5051	Project Feasibility Analysis	2018-19	Skill Development & Entrepreneurship: Project feasibility study is used to determine the viability of a project. It tells us whether a project is worth the investment by its promoters. Generation of ideas is not enough; the business ideas must stand the scrutiny from techno-economic, financial and legal perspectives. Feasibility literally means whether there exists a sizeable market for the proposed product/service, what would be the investment requirements and where to get the funding from, whether and wherefrom the necessary technical know-how to convert the idea into a tangible product may be available and how.	EDII-MoU
B18ME6025	Machine Learning Program using Python	2018-19	Skill development - Machine learning is a subfield of artificial intelligence that enables computers to learn from data without being explicitly programmed. In Python, there are many powerful libraries and tools for building and deploying machine learning models.	MoU Indian Tech keys

B18EE2040	Computer Concepts & C++ Programming	2018-19	Skill Development and Employability: The knowledge of C and C++ concepts provides placements in software industries.	MoU Indian Tech keys
B18EE2090	Computer programming (C++) Lab	2018-19	Skill Development and Employability: The knowledge of C and C++ concepts provides placements in software industries.	MoU Indian Tech keys
B18EE4064	Data Structures Using C++	2018-19	Skill Development and Employability: The knowledge of C and C++ concepts provides placements in software industries.	MoU Indian Tech keys
B18BA2071	Folklore Study – Folk Dance	2018-19	Skill Development- The course will help students to gain and sharpen their skills in Desi Music Style of Performing Arts	Website (Sem 2, B A in Performing Arts, English and Psychology)
B18BA2072	Folklore Study – Folk Music	2018-19	Skill Development- The course will help students to gain and sharpen their skills in Desi Theatre Style of Performing Arts	Website (Sem 2, B A in Performing Arts, English and Psychology)
B18BA2073	Folklore Study – Folk Theatre	2018-19	Skill Development- The course will help students to gain and sharpen their skills in Performing Arts	Website (Sem 2, B A in Performing Arts, English and Psychology)
M18PA1060	Music - 1 (Theory and practical)	2018-19	Entrepreneurship- The course will help students to gain and sharpen their skills in Performing Arts	Website(Sem 6, BA Performing Arts, English and Psychology)
M18PA2060	Music – 2 (Theory and Practical)	2018-19	Entrepreneurship- The course will help students to gain and sharpen their skills in Performing Arts	Website(Sem 6, BA Performing Arts, English and Psychology)
M18MS2080	Python lab	2018-19	Skill Development, Employability, Entrepreneurship: Students learn programming ML models using python Programming.	MoU Indian Tech keys
M18MS1010	Big Data Analytics	2018-19	Skill Development, Employability: Students learn the scale of big data and its progression in time, relative to diverse data domains, primarily e-science and social science, Analyze need and structure of scalable data architectures, and their applications to large-scale scientific and social data processing, Analyze the structure of selected data mining algorithms and their implementation on data-parallel architectures, with special emphasis on strategies to promote strategies for collective intelligence. This will enhance their employability skills	MoU SASI
M18MS2010	Machine Learning using Python	2018-19	Skill Development, Employability: Students will learn the basic components of Machine Learning with concepts of Python, differentiate broad categories of Machine learning, Compare different types of algorithms used in Machine Learning domain with limitations, Examine the limitations of various machine learning algorithms and the way to evaluate performance of machine learning algorithms.	MoU Indian Tech keys
M18CA2070	DS using C/ C++ lab	2018-19	Skill Development, Employability: The course provides insight in the C++ programming language . They are introduced with the fundamental concepts of Classes, Objects and Inheritance, polymorphism in C++.	MoU Indian Tech keys
BTC15F3200	Data Structures and Algorithms	2018-19	Skill Development: Students are trained on Data Structures that are used to store and manage data in an efficient and organised way for faster and easy access and modification of Data.	MoU Indian Tech keys
B18EC6041	Embededd System	2018-19	Skill Development: The purpose of this course is to enlight the knowledge on The purpose of this course is to enlight the knowledge on Basic embedded system, RTOS	MoU Indian Tech keys
B18MC4070	Bioperl & Bio python Lab	2018-19	Student can able to develop bioalgorithms to predict biological data	MoU Indian Tech keys
B18MC4030	Bioperl & Biopython	2018-19	Students can learn the basic programming skills on biological data accession analysis and interpretation	MoU Indian Tech keys
B18BE6032	Business Negotiation Strategies	2018-19	Skill development: The course is aimed at developing analytical and persuasive communication skills that are necessary for successful business negotiations. The negotiation is described as a complex process which consists of preparation, negotiating, and post-negotiation implementation and evaluation. The course combines both theoretical knowledge of leading scholars and practical experience. The course will be based on classroom discussions, activities, case analysis, presentations, interaction with industry experts. The pedagogy will encourage engagement of the learners.	EDII-MoU
B18BE5062	Succession Planning in Family Business	2018-19	Skill development,Entrepreneurship: This 3 credit course familiarizes the learner with the fundamentals of the succession process in the family business. The course includes topics related to leadership management in the family business and role of the governing board in the context of the family business. It also helps the students to understand the various issues associated with succession planning and strategies for succession	EDII-MoU
B18BE4010	Family Business Management	2018-19	Skill development,Entrepreneurship: This Course addresses the understanding of family business and the unique situations that family businesses face. It enables understand the growth and sustainability of family business.	EDII-MoU
B18BE5010	Corporate Entrepreneurship	2018-19	Employability, Skill development: This Course designed to cover core concepts of corporate entrepreneurship and help students understand the overall strategy to renew a company's product lines and services through innovation, technology adoption. It will help students to identify the process of new ventures creation within the company or spun off by the company	EDII-MoU
B18BE5061	Growth and Diversification of Family business	2018-19	Employability, Skill development: This course enales the learner with the fundamentals of the diversification management in the family business. And provides the knowledge to the student to understand the growth strategies in the family business context.	EDII-MoU
B18BE5052	Business Plan Preparation for New Venture	2018-19	Entrepreneurship, Skill development: This course familiarize the students with a working business plan that start with describing the company or proposed project accurately and attractively. and it enable the student how to detail the company's or the project's present status, current needs, and expected future	EDII-MoU
B18BE4030	New Venture Creation	2018-19	Employability, Entrepreneurship: This course familiarizes the learners with aspects related to new venture planning and creating a new enterprise. It provides contents to the students to make them aware of the crucial aspects of industry and markets. The topics like creating formiadable value proposition, identifying and mobilizing human capital for new business is discussed in this course. It familiarizes students with financial resources mobilization, allocation and managing in the process of new venture creation	EDII-MoU
B18BE5020	Business Policy and Strategy	2018-19	Skill development: This course introduces the key concepts, tools and principles of strategy formulation and competitive analysis. The course is focused on the information, analyses, organizational processes and skills and business judgment managers must use to devise strategies position their business.	EDII-MoU
B18BE6031	Managing Growth and Diversification	2018-19	Skill development:This course on Managing Growth and Diversification focuses on understanding and managing the growth of the organization from a small scale startup to a big conglomerate. Students will learn about the strategies of growth and details regarding rate, direction and different methods of growth of the organization. The course also will sensitize towards the operational issues and cultural issues in various types of growth option the organization pursues.	EDII-MoU
B18BE6020	Operational Research for Managerial Decision	2018-19	Skill development:This course will introduce students to the quantitative methods and OR techniques that are necessary for day-to-day business needs. The use of OR models by individuals and organizations enhances decision making. Businesses and governments can use the techniques and gain insights to enhance optimization techniques, replacement techniques, decision making etc. and more over in overall planning to make better decisions	EDII-MoU
MBA18P110	Introduction To Data Management	2018-19	The proposed course will provide about 75+ chunks of knowledge and skills out of a total 250 chunks of knowledge and skills required to be a Business Analyst. Participants will work on 8 in class room projects to get the first-hand experience of their learned skills and 8 assignments to reinforce their ability to apply independently. At the end of the course, the participant will be equipped with knowledge, skill and experience to take up statistical analysis and predictive modeling, in their subsequent courses.	
B18BH2050	Accounting For Business	2018-19	Employability : The course facilitates the students to understand the analysis and interpretation of financial statements with a view to prepare management reports for decision-making.	
M18PS2042	Ac-Dc Drives	2018-19	skill development and employability/Employability:Advanced motor control techniques(vector control, DTC etc) are helpful in Electrical Drives Industry.	

M18DC2064	Adaptive Signal Processing	2018-19	Employability/ skill development and employability: The students are given with an introduction to solve various signal representation problems using DFT properties. Applying discrete fourier transform to represent signal in frequency domain, Use DFT to perform linear filtering, Design IIR filters from analog domain and design IIR and FIR filters in different forms.
M18CH4024	Advance Electroanalytical Techniques	2018-19	Skill development and employability : Acquire the knowledge and understanding of principles and instrumentation of different electroanalytical techniques such as <u>potentiostat,galvanostat,electrochemical STM,electrochemical AFM and sensors</u>
M18CH4025	Advance In Surface, Interface And Catalysis	2018-19	Skill development : Acquire the knowledge and understanding the surface interface interactions and their applications in <u>homo and heterogeneous catalysis</u> .
BCHO16F5A11	Advanced Accounting - I	2018-19	Employability: This course acquaints the students and makes them familiar with the process and preparation of accounts of different types of organizations.
BCHO16F6A13	Advanced Accounting-II	2018-19	Employability and Entrepreneurship: These concepts helps the students to deal with the accounting and legal system at the time of liquidation of the business.
M18CH3410	Advanced Analytical Chemistry	2018-19	skill development and employability : Acquire the knowledge of principles in inorganic photochemistry.Medicinal bioinorganic chemistry and advanced nuclear chemistry. understanding transition metal coordination complexes related to geometry and interpretation of electronic properties.
M18CA2020	Advanced Communicative English-I	2018-19	Employability and skill development and employability: Students learn reading, writing, listening and presentation skills essential to workplace success and occupational situations and also develop skills essentials to informational literacy and critical analysis.
BRAR16F6600	Advanced Computer Aided Design	2018-19	Skill, Employability, Entrepreneurship: Students are trained to Use advanced software for Building visualization & Design representation. Students are able to Create good design presentations & Compositions with the help of software.
M18MC2010	Advanced Cost Accounting	2018-19	Employability, skill development and employability - Students shall learn to apply costing methods and techniques to assist management for taking appropriate decisions and understand the role of cost accounting in the business management of manufacturing and non-manufacturing companies.
M18MS1062	Advanced Dbms	2018-19	Employability and skill development and employability: Students learn to Select the appropriate high performance database like parallel and distributed database, Design a semantic based database to meaningful data access, Embed the rule set in the database to implement intelligent databases, Represent the data using XML database for better interoperability, Model and represent the real world data using object oriented database, To solve the issues related to the data storage and retrieval. This will enhance their employability skills.
M18SE2020	Advanced Design Of Foundations	2018-19	skill development: To learn method of estimating bearing capacity and design of shallow foundations. To learn design of pile foundations
M18SE2062	Advanced Design Of Prestressed Concrete	2018-19	Employability and skill development: develop skills in the analysis and design of pre-stressed concrete beams, columns and slabs. Design anchorage zones and composite pre-stressed concrete members.
M18SE1030	Advanced Design Of Rc Structures	2018-19	Skill development and employability: To design RC slabs by using yield line analysis. To design grid floors, continuous beams and flat slabs
M18SE2030	Advanced Design Of Steel Structures	2018-19	Skill development and employability: To learn the causes for deterioration of concrete and Non Destructive Tests. To learn about effect of corrosion and prevention of concrete
M18PS1051	Advanced Electrical Machines	2018-19	Employability : This course provides the students with in-depth knowledge of the key component technologies within electrical machines and how they can be integrated into advanced systems forefront of research in electrical power engineering. Opportunities exist for dissertation studies to be carried out in collaboration with other university research centers or with industrial organizations. Our graduates can work across the globe in a variety of roles including: Electrical and Automation Engineer, Electromechanical Engineer, Systems Engineer, Printed Circuits Board Designer
M18VP2010	Advanced Embedded System Design	2018-19	Employability,skill development and employability: To equip students with the fundamental concept of Embedded system. Understand the various constraints of embedded systems. Testing of embedded hardware and software is focused in the syllabus
M18PS2043	Advanced Energy Systems	2018-19	skill development and employability: This course deals with Integrating a wide range of energy sources into a flexible, secure grid as power derived from renewables approaches cost parity Implementing digitized and optimized energy control and management through intelligent algorithms.
BBHO16F5F11	Advanced Financial Management	2018-19	skill development and employability: Students gain an in-depth knowledge of the working of international financial markets, mechanism of Forex market, Forex market intermediaries, measurement of foreign exchange risk and managing risk through internal and external techniques. They develop the skills of forecasting foreign exchange rate and valuation of futures, options and swaps.
BCHO16F5F12	Advanced Financial Management	2018-19	Employability: This has been specially designed for students to gain understanding of advanced concepts and techniques required to solve complex financial challenges of an organization.
MS17CH4022	Advanced Functional Organic Materials	2018-19	Skill development : Acquire the knowledge and understanding the applications of functional organic materials,metal organic frameworks.Acquire the knowledge of fluorescence ,phosphorescence and solar cells and their applications.
BTCE16F6320	Advanced Geotechnical Engineering	2018-19	Skill development and employability: To create an ability to apply knowledge of geotechnical engineering; To analyze and interpret data related to designing foundations and earth retaining structures using geotechnical principles.
MS18CH4042	Advanced Inorganic Chemistry Lab	2018-19	Skill development and employability : Acquire the knowledge and hands on experience of synthesis, mechanism, properties, separation and recrystallization of inorganic compounds and characterization of inorganic compounds using different spectroscopic techniques.
MTCS17P4230	Advanced Java Programming	2018-19	skill development and employability, Employability: Studenta are trained to analyze the principles and concepts of advance java programming. To use the Java interpreter to run Java applications. Also to describe, modify and debug Java programs using primitive data types, various operators, control structures, single-subscripted arrays, multi-class and object-based programming techniques including <u>classes, objects and inheritance</u>
MTMD17F312	Advanced Manufacturing Process Simulation	2018-19	Entrepreneurship, Employability and skill development and employability: To learn engineering applications and formulation of manufacturing process simulation. To learn various process simulation techniques
M18CH4026	Advanced Materials In Energy Storage And Conversion Devices	2018-19	Skill development : Acquire the knowledge and understanding the principles of electrochemistry in energy storage devices such as battery and super capacitors and energy conversion devices such as solar cell,electrolytic cell and fuel cell.
M18MD1040	Advanced Mechanics Of Solids	2018-19	Employability & Entrepreneurship: The objective of this course is to make students to learn principles of Analysis of Stress and Strain, to predict the stress-strain behaviour of continuum.
M18CH4041	Advanced Organic Chemistry Lab-iv.1	2018-19	Skill development and employability : Acquire the knowledge and hands on experience of synthesis, mechanism, properties, separation and recrystallization of organic compounds and characterization of organic compounds using different spectroscopic techniques.

M18CH4023	Advanced Spectroscopy And Applications In Structural Analysis	2018-19	Skill development and employability : Acquire the knowledge and understanding of principles and instrumentation of different spectroscopic techniques such as UV - Vis , ESCA,XPS,XRD,IR,NMR,CMR and mass spectrometry.
MTCS17P3120	Advanced Storage Area Networks	2018-19	Entrepreneurship, Employability: Students are trained with Network storage that plays an important aspect of a company's health and productivity. With a good storage management solution, small businesses can maximize server performance, simplify data management, back up important data, improve application availability and be prepared in case of disaster
M18SE1051	Advanced Structural Analysis	2018-19	Skill development and employability: To design RC slabs by using yield line analysis. To design grid floors, continuous beams and flat slabs
M18CH3420	Advanced Surface And Electron Spectroscopy	2018-19	skill development and employability and employability : Understanding the principle, instrumentation and surface morphology, porosity of different nanomaterial using electron microscopy such as SEM, TEM, XPS, BET.
M18MD2030	Advanced Theory Of Vibration	2018-19	Employability & Entrepreneurship: The course is designed to equip students with skills of carrying out modal and time history analysis. To understand the concept of condition monitoring along with case studies.
M18CH4027	Advances In Polymer Science And Technology	2018-19	Skill development and employability : Acquire the knowledge of polymers properties,applications in different fields such as membrane technology in separation of impurities.
MBAD16F33C1	Advertisement Management	2018-19	Employability , Entrepreneurship, skill development and employability: The students learn about different advertising techniques. They work on various aspects of advertising and understand the rules of print and electronic media.
BBHO16F5300	Advertising	2018-19	Employability: The course provides students an insight into various advertising techniques ,this subject explains how advertisement is used as a strategic tool to achieve marketing objectives and recognize how an understanding advertising strategies can lead to business success.students can critically evaluate an advertising campaign.Create ads for specific products/institutions targeted to specific markets.
MPA17F3100	Aesthetics In Dance	2018-19	Employability, skill development and employability and entrepreneurship. This subject enables the students to gain knowledge in the aesthetics, art appreciation, Ashtanayikas and Navarasas. This would further enable them to choreograph their own pieces of dance.
MTCS17P3230	Agile Software Development	2018-19	Entrepreneurship: Students will be trained on Application development and maintenance, Asset leverage solutions, Assurance services, Business process outsourcing, Consulting, Engineering and Industrial services. Enterprisise solutions and IT infrastructure services
BTCE16F5420	Air And Noise Pollution	2018-19	Skill development: To study the concepts of construction resource planning, scheduling and to apply appropriate tools and techniques like allocation of resources as per requirement to know the methods of project estimation and obtain the knowledge of planning and preparing budgets for the construction projects.
BBBL15F8400	Alternate Dispute Resolution	2018-19	Employability, Entrepreneurship & skill development and employability : The students get to familiarise themselves with the strengths and weakness of various dispute resolution methods. The course aims to make the students gain a comprehensive knowledge of primary dispute resolution processes and functions and techniques and skill to make effective use of ADR methods.
17JE403	American Literature And Facets Of Language	2018-19	Employability and skill development and employability: Students can enhance their art of creative non-fiction and can explore the structure and cultural function of language by composing persuasive prose and develop advanced critical thought. They can perform as facilitator, web content provider, information officer, Technical writer, Research Analyst and the role of teacher
BTCE15F8420	Analysis And Design Of Deep Foundation	2018-19	skill development:To create an understanding basic concepts of elementary earthquakes as applied to seismic design of structures; parameters influencing the seismic design; hazards associated with an earthquake
M18PS1040	Analysis Of Power Converters	2018-19	Employability :The activities involved such as design of various converters,simulation based case studies, reference to data sheet and application note etc are very relevant to enhancing the skills and job opportunities.
M18MS2020	Angular Js	2018-19	skill development and employability, Employability: Students will learn to reduce the amount of code you write to build rich user interface applications, Increase the reliability and maintainability of UI by using data binding, Retrieve data from back-end server, manipulate it and display it with ease, Modularize the code with the custom services and directives.
M18MS2090	Angular Js Lab	2018-19	skill development and employability, Employability: Students will learn to reduce the amount of code you write to build rich user interface applications, Increase the reliability and maintainability of UI by using data binding, Retrieve data from back-end server, manipulate it and display it with ease, Modularize the code with the custom services and directives.
BTCE16F6340	Applications Of Gps	2018-19	Entrepreneurship, Employability and skill development and employability: To educate students to integrate knowledge of mathematics, science, and engineering in Global Positioning and identify GPS equipment to make students familiar with the GPS signal structure and the methods of collecting and analyzing GPS data.
B18ME1020	Applied Chemistry	2018-19	Employability & Entrepreneurship: The concepts of chemistry with respect to Electrochemical cells, fuel cells, mechanism of corrosion inculcate confidence in students to examine practical aspects for furtherance. Acquire knowledge on industrially significant advanced engineering materials. Differentiate materials to make it most suitably to an application. Ascertain material selection for different engineering applications.
B18ME1070	Applied Chemistry Lab	2018-19	Skill development and Employability: Demonstrate the use of different types of instruments for analysis of materials for better accuracy and precision. Interpolate different types of titrations for quantitative estimations of materials.
B18ME2020	Applied Physics	2018-19	skill development and employability: Apply concept of Physics to analyze various physical phenomena used in wide range of engineering applications, fluid mechanics and its applications in real life problems.
B18ME2080	Applied Physics Lab	2018-19	Skill development and employability: Extend skills to apply practical knowledge of Physics in real time solution. Interpret the most appropriate measuring instruments for evaluation of various parameters. Apply laws of hydrostatics in co relevance to practical considerations. Determine various properties of different materials to authenticate the accuracy of evaluation technique.
MBA18P120	Applied Statistics For Business	2018-19	This module aims to provide a strong foundation on applying statistical concepts and methods in real-world situations and domains related to analytics. The course intent to provide them with experience in communicating the results to non-statistical/business stakeholders and present their case with appropriate business relevance. Practical labs to develop proficiency in applying the learning to real time live projects and datasets improves the employability of the learners
M18TE2010	Applied Traffic Engineering	2018-19	Employability and skill development and employability: Provide an insight into the parameters of traffic flow and the various traffic flow theories. Provide an insight into vehicle arrivals, gaps, headways and delays at uncontrolled intersections
BRAR15F7100	Architectuere Design Vii [Ad-Viii]	2018-19	Skill, Employability, Entrepreneurship: Students are trained in designing larger projects of higher complexities. An integration of knowledge gained in Construction, Structures, Landscape, Services, Bye laws and codes etc. is inculcated for projects such as Multi- Specialty Hospitals, Transportation Hubs – Bus Terminus, Airports, Metro stations, 5 Star Hotels or resorts.

B18AR2010	Architectural Design-I	2018-19	Skill: students learn to Translate behavioral needs into an architectural project and develop sensitivity towards site and surroundings.
B18AR2050	Architectural Model Making	2018-19	Skill, , employability: students Train in basic skills and creative use of various materials for model making and are able to learn techniques of making models to scale
B18AR1030	Architectural Representation - I	2018-19	Skill: enhancement of drawing, visualization and representation skills.
B18AR2030	Architectural Representation-II	2018-19	Skill: Students Demonstrate skills in technical representation of geometric forms, Draw graphically 2D and 3D drawings while Exploring different materials of rendering.
BTEE15F8204	Artificial Neural Network	2018-19	Employability, Entrepreneurship & skill development and employability: Students learn about the soft computing techniques and their applications and also analyze various neural network architectures to design and develop the neural networks with supervised and unsupervised learning. Students can also define and design fuzzy models for the real-world applications
MPA17F3300	Arts Management	2018-19	Employability, skill development and employability and Entrepreneurship. This subject teaches the students the importance of managerial solutions in the arts field and would also enable them to be better managers and organizers and promoters of the art field.
M18VL2042	ASIC Design And Verification Using System Verilog	2018-19	skill development and employability: Understanding the microsystems, MEMS, various electro mechanical properties used for MEMS. Learning the concepts of lithography, etching.
MTP17VS322	ASIC Design And Verification With Systemverilog	2018-19	skill development and employability: To equip students with the fundamental concept of ASIC Design. Understand the various concepts such as full custom, semicustom ASIC Design styles. Knowledge of design cell library, back annotation will also be covered.
MS17PH306	Astrophysics(Oe)	2018-19	skill development and employability: This course provides the knowledge about theoretical and observational astrophysical universe and structure of universe. Students also learn principles and methods of modern astrophysics.
BSCB16F6100	Automation Tools For Cloud Deployment	2018-19	Entrepreneurship skill development and employability, Employability: The course provides strong foundation to build chef and puppet server infrastructure to manage nodes, to write infrastructure deployment code like cookbook(chef) , manifests (puppet), to learn the basics of Bootstrap windows server and deploy web servers on them, to learn the basics of rhel,Ubuntu nodesand deploy web servers on them and to automate package deployment on win and linux nodes. This will enhance their employability skills.
MTMD17F311	Automobile System Design	2018-19	skill development and employability: Develop chassis and identify suitable engine for different applications. Formulate steering, braking and suspension systems. Select a suitable conventional and automatic transmission system. Employability: can work in automobile industries.
BSCB16F5700	Aws & Azure Public Cloud Lab	2018-19	Entrepreneurship skill development and employability, Employability: Students learn to deploy a customer's complete web infrastructure with end to end to design with auto scaling mode ,load balancer and public dns on Amazon cloud and azure cloud, to provision cloud storage ,cloud database services, deploying web application and connecting to database service securely, to control access and roles to the cloud for a customer account, to configure virtual private cloud in Amazon cloud, to provision and manage customer web infrastructure and manage on AWS and azure cloud. This will enhance their employability skills.
BBBL15F8610	Banking And Insurance Law	2018-19	Employability : The students learn the fundamental concepts of banking law provisions and different forms of borrowing and securing bank loans with guarantee with collateral security and e-banking. The course also provides an extensive study on concept of insurance, its evolution, emerging trends and working of insurance regulatory authorities and registration requirements of insurance companies.
M18LM1050	Banking And Insurance Law	2018-19	Employability, Entrepreneurship : The students learn the fundamental concepts of banking law provisions and different forms of borrowing and securing bank loans with guarantee with collateral security and e-banking. The course also provides an extensive study on concept of insurance, its evolution, emerging trends and working of insurance regulatory authorities and registration requirements of insurance companies.
MPA17F3410	Bhama Kalapam - Kuchipudi - Practical - I	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18MS1010	Big Data Analytics	2018-19	skill development and Employability: Students learn the scale of big data and its progression in time, relative to diverse data domains, primarily e-science and social science, Analyze need and structure of scalable data architectures, and their applications to large-scale scientific and social data processing, Analyze the structure of selected data mining algorithms and their implementation on data-parallel architectures, with special emphasis on strategies to promote strategies for collective intelligence. This will enhance their employability skills.
BSCB16F5200	Big Data Analytics Using Hadoop	2018-19	Entrepreneurship skill development and employability, Employability: Students learn to install and configure Hadoop on single machine, to install and configure Hadoop on Multiple machine (cluster), to perform Hadoop administrative tasks and get a strong foundation knowledge about Hadoop cloud. This will enhance their employability skills.
BSCB16F6300	Big Data And Hadoop On Aws And Azure	2018-19	Entrepreneurship skill development and employability, Employability: Students learn to create and manage HDInsight clusters on Windows Azure, discover the different HDInsight services and configuration files, develop and run Map Reduce jobs using .NET and PowerShell, use Hadoop on Amazon Web services / Openstack and troubleshoot common problems. This will enhance their employability skills.
BSCB16F6700	Big Data And Hadoop On Aws And Azure Lab	2018-19	skill development and employability, Employability: Students learn to deploy 2 node Hadoop Cluster on Azure Cloud, install Hive and run sample hive programs, install Flume and run sample Flume program, deploy Azure managed Bigdata cluster, Running Flume program on Azure managed bigdata cluster, AWS elastic mapreduce cluster deployment, run sample Hadoop Job on was MapReduce cluster, run hive scripts on was elastic map reduce, ingest from cloud born or on premise data, store data in azure data lake, store data in azure BLOB storage, perform routine small writes on continuous basis on azure, run sample program using Pig, deploy apache Spark cluster and analyse Twitter which enhances their employability skills.
M18MS2030	Big Data With Nosql	2018-19	skill development and employability, Employability: Students learn the scale of big data and its progression in time, relative to diverse data domains, primarily e-science and social science, Analyze need and structure of scalable data architectures, and their applications to large-scale scientific and social data processing, Analyze the structure of selected data mining algorithms and their implementation on data-parallel architectures, with special emphasis on strategies to promote strategies for collective intelligence. This will enhance their employability skills.

M18BC3050	Biochemistry In Daily Life(Oe)	2018-19	Employability , Entrepreneurship, skill development and employability: The students will learn and cater services to the pharmaceutical industry. They can also start their own labs to cater the services to the society cater the diagnostic services and also can take up the higher studies
17F3600	Biography Of Great Personalities(Oe)	2018-19	Students will learn about the famous personalities and broaden their general knowledge. They will learn to connect biographical texts to their historical and cultural contexts. They will be able to relate their own struggles and gain inspiration from the famous personalities.
M18BC20X0	Bioinformatics (Laboratory - Viii)	2018-19	Employability & Entrepreneurship: Develop effective, creative and innovative solutions, both independently and cooperatively, to current and future research problems in Molecular Biology and apply the principles and techniques of molecular biology for further education and/or employment in teaching, basic research, or the health professions.
M18BC1060	Biophysical Chemistry (Lab -I)	2018-19	skill development and employability: acquire the knowledge of practical skills on chromatography techniques, Centrifugation, UV-Visible spectrophotometer, Estimation of hardness of water and statistical analysis of biological specimens.
BBHO16F6M14	Brand Management	2018-19	Employability, skill development and employability: Students learn about product development, importance of brand management and implementing of various brand strategies.
B18CE2050	Building Construction	2018-19	skill development and employability: To understand a broad concept of engineering mechanics. To understand the basics of composition of coplanar forces.
B18CE1040	Building Materials	2018-19	skill development and employability: To understand the different types, and Properties of Bricks and Stones. To understand the different types, and Properties of Cement and Steel
BSCB16F6200	Building Private Cloud With Openstack	2018-19	Entrepreneurship skill development and employability, Employability: Students learn to deploy openstack multi node , prepare VMware virtual infrastructure and integrate with Openstack, and to prepare Hyper-v 2012 or higher version virtual infrastructure and integrate with Openstack. This will enhance their employability skills.
BSCB16F6800	Building Private Cloud With Openstack Lab	2018-19	skill development and employability, Employability: Students learn to install and configure OpenStack controllers , Install and configure network node, Install and configure compute node, Install and configure database server, Integrate openstack with vmware, Integrate openstack with Microsoft hyperv, Integrate openstack with kvm , , Install and configure kvm server, which enhances their employability skills.
BRAR15F7300	Building Services - 1V [Bs-iv]	2018-19	Skill, Employability, : students are trained in acoustical design principles which are applied for design of auditoriums, Open air theatres etc.
B18BE1040	Business Economics	2018-19	Employability, Entrepreneurship : The course is introduce the student to the basic understanding of state level economy and measurement of various macro-economic variables at state level. It is also to provide the students an analysis of the economy at a micro level in various sectors.
M18MC1040	Business Ethics And Corporate Governance	2018-19	Entrepreneurship - Understand ethical components of managerial decision making and Develop thinking and analytical skills using ethical frameworks Understand the role of CSR in India and its sustainability
M18MS2062	Business Intelligence	2018-19	skill development and employability, Employability, Entrepreneurship: Students learn to make different decision making components in business intelligence system, Examine modeling and decision support system., Demonstrate business intelligence life cycle and the techniques used in it, Evaluate data analysis tools and techniques.
M18MB2010	Business Law And Ethics	2018-19	Employability & skill development and employability: Students gain the knowledge of Regulatory frame work of Contracts, Sale of goods, Competition law, Consumer protection, Information and Environment protection law which regulates the business operations. They are familiarized with the legal framework of business and regulations.
BCHO16F6200	Business Policy And Environment	2018-19	Employability and Entrepreneurship: This course enables the students to know the basic concept on policies related to Business policy and environment. Makes them analyze various factors influencing and the current changes and practices evolved in framing the effective environmental policy.
BBHO16F5200	Business Policy And Strategy	2018-19	Employability, skill development and employability,: Students are introduced to various strategies adopted by the companies to run their business successfully and students also learn the skills to decipher and develop strategies for business. They analyse through various case studies and group discussion
B18BC2030	Business Statistics	2018-19	Employability and skill development and employability: it is based on the acquired knowledge to interpret the calculated statistical indicators, apply knowledge to solve simple tasks using computer (MS Excel), choose a statistical method for solving practical problems.(for Data Analysis)
B18BE2030	Business Statistics	2018-19	Employability : The course facilitates the students to acquire the basic knowledge of quantitative measure with business implement for decision making and their commercial application for analytical thinking.
M18MB1060	Business Statistics	2018-19	Employability : The course facilitates the students to acquire the basic knowledge of quantitative measure and their commercial application for decision making in business and analytical thinking.
BBHO16F6300'	Business Trends	2018-19	Employability, Entrepreneurship: The course facilitates the students to develop the understanding of the concept, importance and dynamics of international business and India's involvement with global business operations. they get ideas of starting their own business through some modes of internationalization
B18ME2030	C Programming	2018-19	Skill development and Employability: Explore basic aspects of computer programming, different Unix commands, their usage and their syntax; Interpret, compile and debug programs in C language.
B18ME2090	C Programming Lab	2018-19	Skill development and Employability: Interpret the presentation of numbers, alphabets and other characters in the memory of computer System. Apply Software Development Tools, like Algorithms, Pseudo Codes and Programming Structures. Analyze, Integrate, Classify, Compare and Apply simple Data Structures, Pointers, Memory. Employability: Determine engineering solutions to simple (moderate) mathematical and logical problems using 'C' programming language. Analyze and Categorize the logical structure of a Computer Program, and apply different programming constructs to develop a computer program.
M18CA1080	C Programming Lab	2018-19	Employability and skill development and employability: Students learn analytical and programming skills essential to workplace success and occupational situations and also develop skills essentials to logical thinking.
BSCB16F5620	C# And .Net	2018-19	Entrepreneurship skill development and employability, Employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of Graphical User interface with Windows Forms. Students are familiarized with Event handling control properties, ADO.NET and Creating Connection string.
B18CE1030	C++ Programming	2018-19	Employability and skill development and employability: Introduce the basic concepts for defining classes with data members and member functions. Familiarize with object creation and accessing members of a class.
B18CE1070	C++ Programming Lab	2018-19	skill development and employability & Employability: Practice basic and fundamental object oriented programming concepts. Use Constructors and Destructors to solve any real world problems

BTEE15F7200	Caed	2018-19	skill development and employability and Employability:A CAD (Computer-aided design) Designer, or CAD drafter, uses computer-aided design systems to create technical drawings for building construction and product manufacturing. ... A CAD Designer can work within different specialties such as architectural, mechanical and civil. Responsible for designing products using computer-aided design software applications such as AutoCAD, Pro/ENGINEER, and SolidWorks. Designs products, creates and tests prototypes, and oversees other drafters
B18ME1010	Calculus	2018-19	Employability: Determine and solve first order ordinary differential equation. Elaborate the evaluation policy of some special functions like beta and gamma functions and their relation which is helpful to evaluate some definite integral arising in various branch of engineering.
M18MT4031	Calculus Of Variation And Integral	2018-19	skill development and employability and employability :in this course Students will discuss the basic concepts of geometry of curves and surfaces in Euclidean space and properties and geometric interpretation of some quantities. It explain calculus on surfaces and computational techniques for the curvatures and special curves in a surface.
B18CS1020	Chemistry	2018-19	skill development and employability: Students are acquired knowledge about the concepts of chemistry in respect to atomic and molecular structure, electrochemical cells, fuel cells, mechanism of corrosion. Also to meet the applications of industrially based polymers, nano materials.
B18CS1080	Chemistry Lab	2018-19	skill development and employability: Students are acquired knowledge about the concepts of chemistry in respect to atomic and molecular structure, electrochemical cells, fuel cells, mechanism of corrosion. Also to meet the applications of industrially based polymers, nano materials.
BA.LB166300	Civil Procedure Code And Limitation Act	2018-19	Employability : The students learn to make reasoned choices in relation to the court where the suit is to be filed, the essential forms and procedure for institution of suit, the documents in support and against etc. The course also helps the students to interpret the statute of limitation that fixes a period within which a case has to be filed in addition to mastering the rules of pleading and trial.
B18CE1060	Civil Workshop	2018-19	Entrepreneur and skill development and employability:To understand about the carpentry joints. To understand the basics of plumbing tools & fittings.
MPA17F3920	Classical Music/Percussion Instruments(Oe)	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18BC1070	Clinical Biochemistry (Lab & Training-ii)	2018-19	skill development and employability:The students can able to understand the various disorders concern with various organs like Kidney ,Heart etc,and also thecan able to findout the cause and symptoms like Jaundice etc.
MS17BT315	Clinical Data Science	2018-19	Employability, skill development and employability and enterpreneursip: The student will acquaintain the techniques and methodogical techniques required for the clinical research which involves the testing of the moleculesto treat varoius disorders
MS17BC3042	Clinicalbiochemistry Diagnostics	2018-19	skill development and employability: Students will be able to process biological samples for clinical diagnostics
BSCB16F5400	Cloud Databases	2018-19	Entrepreneurship skill development and employability, Employability: Students learn to NoSQL Databases, (Document oriented, Key Value Pairs, Column oriented and Graph), demonstrate the data models in these databases, apply appropriate data model for any application, design and write queries in NOSQL Databases, evaluate NoSQL database development tools and programming languages, and applythe principles behind distributed storage models. This will enhance their employability skills.
M18VP1020	Cmos Vlsi Design	2018-19	Employability,skill development and employability: To equip students with the fundamental concept of Digital CMOS VLSI Design. Understand IV characteristics of CMOS logic and construction of various CMOS based logic structures. The student will be also learning the layout of various logic systems.
B18BB2010	Communication English	2018-19	skill development and employability: Students develop language skills.
MBAD16F33C3	Communicative Design And Writing	2018-19	Employability , skill development and employability: The students learn how to improve oral and written communication skills focusing on the industry requirements. They gain an understanding and practice of what are the skills that he/she is required to possess to communicate. Basic technical writing and presentation skills are also been acquired by the students.
B18BB1010	Communicative English	2018-19	skill development and employability, Employability : The students will able to demonstrate knowledge of the concepts, principles and rules of taxation of individuals and small business, prepare tax forms for individulas and sole proprietorships, address tax situations for a variety of taxpayers, such as wage earners, sales persons, owners of smal business, professionals, investors, home and rental proerty owners, farmers etc.
B18BC1010	Communicative English	2018-19	skill development and employability: Students are made to be familised with concepts of wide scope of use and application to life, it also helps to construct effective written message in various formats and styles and inculcate the habit of reading and writing.
B18BE1010	Communicative English	2018-19	skill development and employability through Language application
B18BH1010	Communicative English	2018-19	skill development and employability & Employability: Students are allowed to take up major project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted after conduting and analysing the research to the department.
B18BJ1020	Communicative English	2018-19	skill development and employability: Students learn efficient writing skills and grammar that would inturn help them in better conversations and presentation skills
B18CH1010	Communicative English	2018-19	Employability and skill development and employability: Students learn reading, writing, listening and presentation skills essential to workplace success and occupational situations and also develop skills essentials to informational literacy and critical analysis.
B18BA1020	Communicative English - I	2018-19	skill development and employability . This subject delivers formal and nformal oral presentations and also would enable the students to construct effective written messages in various formats and styles.
B18CA1020	Communicative English - I	2018-19	skill development and employability: Students develop English language skills.
MPA17F1200	Communicative English -I	2018-19	skill development and employability: The course provides basic knowledge about English grammer. The students are exposed to communicate to others in different context using proper and effective English. This enhances the proficiency of students in English communication on different occasions
B18CH2010	Communicative English ii	2018-19	skill development and employability,Entrepreneurship & Employability: Students are expected to prepare simple solids and sectional views drawings using Auto CAD software. Students are expected to prepare isometric projections, 3D models and 2D multi-view drawings from 3-D model using Auto CAD software.
B18BA2020	Communicative English -li	2018-19	skill development and employability . This subject delivers formal and nformal oral presentations and also would enable the students to construct effective written messages in various formats and styles.
B18CA2020	Communicative English -li	2018-19	skill development and employability: Students develop language skills.
B18BJ2020	Communicative English-li	2018-19	skill development and employability: Students learn efficient writing skills and grammar that would inturn help them in better conversations and presentation skills

BA.LB165400	Company Law	2018-19	Employability, Entrepreneurship : The course provide students with an awareness of current policy trends and developments in company law with special focus on the legal implications of separate corporate personality including limited liability, the validity of contracts made with companies, the role of the board of directors and their legal duties as directors and the legal protection of shareholders. Employability : The course provides an extensive knowledge on the constitutional process that are followed in various common law jurisdictions and to interpret and analyse the judicial interpretations in regard to criminal procedure adopted in various jurisdictions. The course also enables the students to justify the need for provisions to establish administrative bodies to control corruption and maladministration.
M18LM1020	Comparative Public Law	2018-19	skill development and employability and employability: Acquiring the concepts of Finite Difference method to solve various types of Partial Differential Equations and the concepts of physics of compressible and incompressible fluid flows. It explores finite volume method to solve the fluid flow equations and finite element method to solve one- dimensional and two-dimensional problems.
M18MT4051	Computational Fluid Dynamics	2018-19	Employability/ Entrepreneurship/ skill development and employability:This course is designed to introduce the student to the basic concepts and standard practices necessary for the graphical communication of technical data which includes the reading, interpretation and creation of engineering drawings, technical sketching and introduction to computer-aided drafting
B18EC2070	Computer Aided Engineering Drawing	2018-19	skill development and employability: Express component descriptions as per the commonly practiced standards. Explain the difference of 2D and simple 3D drawings. Employability: Review industry specific drawings. Classify through computer aided drawing any Objects/tools/instruments /elements/ structures belonging to the entire engineering field. Explore simple clear and illustrative drawings as per existing standards conversations.
B18ME1040	Computer Aided Engineering Drawing	2018-19	skill development and employability: Students are acquired knowledge to understand the fundamental rights, duties and other rights protected under Indian Constitution. Also to demonstrate the practicality of Constitution perspective and make them face the world as a bonafide citizen.
B18CS2060	Computer Aided Engineering Drawing Lab	2018-19	skill development and employability and Employability:Load flow studies,contingency analysis and security analysis are potential areas of employment for Power System engineers
BTEE15F7100	Computer Aided Power System Analysis And Stability	2018-19	Employability: Load flow studies,contingency analysis and security analysis are potential areas of employment for Power System engineers
M18PS1020	Computer Aided Power System Operation And Analysis	2018-19	Employability, skill development and employability,Entrepreneurship: The students will apply basic computer knowledge in their day to day activity.
B18BE2060	Computer Application In Business	2018-19	Employability: Students are familiarized about the business organization and Management.Basic concepts of management and dimensions of organisational behaviour including individual behaviour, personality, perception, attitudes and values, leadership, learning and motivation. They also learn about group process, group tasks, team-building, conflict management with case studies.
B18BH2060	Computer Application In Business	2018-19	Employability, skill development and employability,Entrepreneurship: The students will apply basic computer knowledge in their day to day activity.
B18BB2060	Computer Applications In Business	2018-19	Employability/ Entrepreneurship/ skill development and employability:This course covers the use of major portions of the C programming language: variables, expressions, and statements; program modularization through functions, macros, and blocks; control structures; representation of numeric and textual data using scalar and structured data types; and operating system interfaces to files and other services.
B18EC1050	Computer Concepts & C Programming (I)	2018-19	Skill development and Employability: The knowledge of C and C++ concepts provides placements in software industries.
B18EE2040	Computer Concepts & C++ Programming	2018-19	Employability: Concepts of control of DC and AC Motors using Microprocesors and power electronics convertres are helpful in fetching a career in Electric Drives industry
BTEE15F8403	Computer Control Of Electric Drives	2018-19	skill development and employability, Employability: Students are familiarized in Computer Network Engineering that is very much important these days as the internet growth is growing on. As a network engineer, you can work for large companies within the technology industry as well as other businesses and organization.
MTCS17P4110	Computer Network Engineering	2018-19	Skill development and Employability: The knowledge of C and C++ concepts provides placements in software industries.
B18EE2090	Computer Programming(C++)Lab	2018-19	skill development and employability: Students learn the basics of materials, absorption and infrared spectroscopy and learn to analyze thermo luminescence glow curve using ORIGIN software
MS17PH328	Condensed Matter Physics (Special)	2018-19	skill development and employability: This course makes the students to learn defects, their formation,Luminescence and its mechanism,Lattice formation,deformation,energy band structures and classification of materials.
MS17PH324	Condensed Matter Physics Ii	2018-19	skill development and employability: This course introduces the fundamental concepts like symmetry and space groups in crystals and also makes the students to characterize the crystal using X-ray diffraction experiments.
MS17PH325	Condensed Matter Physics Iii	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18BT2090	Contemporary Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
MPA17F3950	Contemporary Dance(Oe)	2018-19	Employability and skill development and employability: studies about the financial reporting for the companies as well as for external users, concepts and standards underlying the accounting procedures used to measure business performance. Help to have knowledge of Issue of share, issue of goodwill, final accounts and the practical applicability of the tally etc.
B18BC2040	Corporate Accounting-I	2018-19	Employability and skill development and employability: This course covers the characteristics of the accounting environment and its financial reporting requirements for companies, and expands on advanced financial accounting issues, such as, accounting for liabilities and owners' equity, and provides a comprehensive coverage of consolidation issues.
B18CH2040	Corporate Accounting-I	2018-19	Employability: The course provides a strong foundation for corporate finance. The students learn about the decisions that the firm takes on investment, financing and dividend distribution
M18MB2040	Corporate Finance	2018-19	Employability, Entrepreneurship : Students learn to identify the differences in the procedures adopted in company law procedures in various common law jurisdictions and to compare and evaluate the management of corporate affairs that are followed in various common law jurisdictions. The course helps students to interpret and analyse the judicial interpretations in regard to merger and amalgamations, the validity of contracts made with companies, the role of the board of directors and their legal duties as directors and the legal protection of shareholders.
M18LM1030	Corporate Governance	2018-19	

M18MC2030	Corporate Tax Planning And Management	2018-19	Employability, skill development and employability - Students understand the relevant provisions of Direct Tax Code and the practical aspects of tax planning as an important managerial decision-making process. It will provide understanding of direct tax including rules pertaining to and application to different business situations.
17F4100	Critical Theories - ii	2018-19	skill development and employability: Students learn to interpret, analyze and evaluate literary texts
17F3200	Critical Theories -i	2018-19	skill development and employability: Students learn to interpret, analyze and evaluate literary texts
M18MT3080	Cryptography	2018-19	skill development and employability: Students learn to interpret, analyze and evaluate literary texts skill development and employability: Understand the principles and practices of cryptographic techniques. theory of fundamental cryptography, encryption, and decryption algorithms, a variety of generic security threats and identify and analyse particular security problems for a given application. Students Build simple cryptosystems by applying encryption algorithms and Comprehend secure identity management (authentication), message authentication and digital signature techniques.
17F3300	Cultural Studies	2018-19	skill development and employability: Students learn to critically analyze texts and to develop informational literacy.
BA.LB166620	Cyber Law	2018-19	Employability, Entrepreneurship : The students learn extensively on legal framework related to Digital Signature Certificates and liability of Internet Service Providers. The course also trains students to provide legal advice to cyber law related matters in addition to making them understand IPR related matters in cyberspace.
MTCS17P4220	Cyber Security	2018-19	Employability: Students are familiarized with Cybersecurity that is important because it encompasses everything that pertains to protecting our sensitive data, personally identifiable information (PII), protected health information (PHI), personal information, intellectual property, data, and governmental and industry information systems from theft and damage attempted
B18BB1080	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BC1080	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BE1080	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BH1080	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BJ2070	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BS1070	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18CA2070	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18CH1080	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18CS2X20	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18BC2060	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18CA1070	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18CH2060	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18MS1070	Dance	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
MFA17F4100	Dance Writing And Biographies	2018-19	Employability, skill development and employability and Entrepreneurship. This subject teaches the students the critical writing in dance fields so that they may become art critics and also authors of books in dance after further dance research.
BTEE15F7504	Data Base Management System (Dbms)	2018-19	skill development and employability and Employability: Concepts of SQL and Transaction management helps to work as Database administrator and developer
M18MS1090	Data Mining Lab	2018-19	Employability and skill development and employability: Students learn to Select the appropriate high performance database like parallel and distributed database, Design a semantic based database to meaningful data access, Embed the rule set in the database to implement intelligent databases, Represent the data using XML database for better interoperability, Model and represent the real world data using object oriented database, To solve the issues related to the data storage and retrieval. This will enhance their employability skills.
M18CA2040	Data Structures And Its Applications	2018-19	skill development and employability, Employability: The course provides insight into data storage and structures which plays a vital role in employability. Students are familiarized with the syntax and semantics of memory management in C. They are also introduced with the fundamental concepts of primitive data structures in C, like queues, stacks, linked lists and binary trees.
B18BS2020	Data Structures Using C	2018-19	skill development and employability, Employability: The course provides insight into data storage and structures which plays a vital role in employability. Students are familiarized with the syntax and semantics of memory management in C. They are also introduced with the fundamental concepts of primitive data structures in C, like queues, stacks, linked lists and binary trees.
M18MD1061	Design And Analysis Of Engineering Components	2018-19	Employability, Skill development and Employability: The objective of this course is to make students to learn principles of Analysis of Stress and Strain, to predict the stress-strain behaviour of continuum.
M18MD1072	Design For Manufacturing And Assembly	2018-19	Employability & Entrepreneurship: The course aims at skilling the students various design aspects that are related to manufacturability of products
M18SE1052	Design Of Bridges	2018-19	Skill development and employability: To learn about the historical developments, site selection for bridges. To learn about the design of box culvert and design of T beam slab

M18SE2051	Design Of Earthquake Resistant Structures	2018-19	Skill development: To familiarize with causes of earthquake and its history, to understand the principles of seismic design
BTCE16F6310	Design Of Tall Structures	2018-19	Employability and skill development and employability: The objective of this course is to make students to learn principles of stability of tall buildings, to design the tall buildings for earthquake and wind resistance.
M18SE1062	Design Of Tall Structures	2018-19	Skill development and employability: To design RC slabs by using yield line analysis. To design grid floors, continuous beams and flat slabs
MTMD17F313	Design Optimization	2018-19	Entrepreneurship & Employability: To learn engineering applications and formulation of optimization problems. To learn various optimization techniques
M18TE1061	Development Of Rural Infrastructures	2018-19	Employability and skill development and employability: Provide an insight into the geometric design of highways and the cross section elements Provide an understanding of the sight distance requirements along highways and their design.
B18CE1010	Differential Equations And Linear Algebra	2018-19	Skill development and employability: Explain the concept of differential equation. Classifies the differential equations with respect to their order and linearity
B18CA1040	Digital Logic And Computer Architecture	2018-19	Skill development and employability: Students are familiarized with the number systems, Boolean algebra and digital circuit design. They learn the working principles of various electronic circuits, transistor characteristics and its applications. They will compare different biasing methods of transistors and understand the working of amplifiers.
B18BS1040	Digital Logic Design And Computer Organization	2018-19	Skill development and employability: Students are familiarized with the number systems, Boolean algebra and digital circuit design. They learn the working principles of various electronic circuits, transistor characteristics and its applications. They will compare different biasing methods of transistors and understand the working of amplifiers.
B18CA1080	Digital Logic Lab	2018-19	Skill development and employability: Students are familiarized with the number systems, Boolean algebra and digital circuit design. They learn the working principles of various electronic circuits, transistor characteristics and its applications. They will compare different biasing methods of transistors and understand the working of amplifiers.
17JM424	Digital Media Marketing	2018-19	Employability and skill development and employability: Students learn the various levels of marketing, promotion and the usage of digital media platforms and use them in their work place. They develop to analyze the marketing trends and enhance new methodology.
BTEE15F6402	Digital Relays	2018-19	Employability: It gives basic idea and knowledge of switch gears and protection in power systems which is essential to start the career as protection engineer.
BTEC15F7520	Digital Signal Compression	2018-19	Employability, skill development and employability: Describe Compression techniques. Discuss the elementary techniques used for modeling of data. Summarize the issues relating to modeling, distortion criteria, differential Entropy, rate Distortion Theory. Distinguish Contrast Coding, uniquely decodable codes, Prefix codes.
BBHO16F5100	Direct Taxes	2018-19	Skill development and employability, Employability: The students will able to demonstrate knowledge of the concepts, principles and rules of taxation of individuals and small business, prepare tax forms for individuals and sole proprietorships, address tax situations for a variety of taxpayers, such as wage earners, sales persons, owners of small business, professionals, investors, home and rental property owners, farmers etc.
17JE302	Disaster Management	2018-19	Skill development and employability: Students learn to handle various critical disaster situations and to solve them.
M18LM2050	Dissertation	2018-19	Skill development and employability: This course is designed to improve the research and analytical skills of the students. The course is aimed at enabling the students to hone their skills as a researcher that would be of immense help in their career.
M18DC1054	Distributed Computing	2018-19	Skill development and employability: This course Provides introduction to distributed computing systems, Summarize Distributed Coordination functionalities, Provide Interprocess Communication methods among the distributed systems, Analyse Deadlocks problems occurring in distributed systems
MFA17F3930	Dramatics(Oe)	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and work pressure.
M18CA2070	Ds Using C/C++ Lab	2018-19	Skill development and employability, Employability: The course provides insight in the C++ programming language. They are introduced with the fundamental concepts of Classes, Objects and Inheritance, polymorphism in C++.
BSCB16F5520	E-Commerce	2018-19	Entrepreneurship skill development and employability, Employability: Students learn to the basic concepts and technologies used in the field of E-Commerce, E-Payment systems, Inter Organizational and Intra Organizational E-Commerce, Advertising and Marketing on Internet, Apply compression and decompression techniques and codec required for Video Conferencing, Follow ethics in the usage of Smart Card and Digital Token, Understand and analyze the difference between functional testing and structural testing. Analyze the performance of fault based testing, planning and Monitoring the process. This will enhance their employability skills.
B18BB1040	Economics For Business	2018-19	Skill development and employability & Employability: Students are allowed to take up major project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted after conducting and analysing the research to the department.
M18MB1050	Economics For Managers	2018-19	Employability, Entrepreneurship: The course facilitates the students to develop and hone mathematical and statistical skills for decision making. The students learn demand analysis, numerical examples, Cost Analysis and Market Structure and pricing practices and pricing decisions.
M18PS2041	Electric Vehicle	2018-19	Employability and skill development and employability: This course gives high-skilled jobs in the area of Electric Vehicle and Develop, package, verify, and validate electrical components and systems used in EV energy storage systems and drive systems.
BTEE15F8402	Electrical Energy Conservation	2018-19	Employability: Students are known about Energy conservation that plays a very important role because utilization of non-renewable resources also impacts our environment.
B18EE2030	Electrical Power Generation & Transmission	2018-19	Employability: Students are familiarised with the basic concepts of Electrical power generation and transmission. It throws light on various conventional and non-conventional sources and introduces fundamental concepts of substation, power plant structure and transmission scheme. It also introduces students with various types of insulators used in power system. These fundamental concepts will help them in further advanced electrical engineering courses and also help them in fetching jobs in public sectors.
BTEE15F8303	Electrical Safety	2018-19	Skill development and employability and Employability: The electrical safety develops with the technical progress. Knowledge of electrical safety is helpful to fetch a career in electrical safety field.
BTEE15F7502	Electricity Regulations	2018-19	Employability and skill development and employability: Students gain knowledge of various Electricity acts, regulatory commission and Power trading which will help in their career.
MS17PH314	Electronics II (Electronics Communication System)	2018-19	Skill development and employability and Employability: Students learn fundamental concepts of communication systems and compare different analog and digital modulation schemes. They learn to design tradeoffs and communication systems.
MS17PH315	Electronics III (Linear Integrated Circuits)	2018-19	Skill development and employability and Employability: Students learn to analyze and design timer, analog and digital circuits using op-amp. They also learn to construct waveform generation circuits and combinational logic circuits using digital ICs

MS17PH318	Electronics Lab (Special)	2018-19	skill development and employability: This course makes the students to verify sampling theorem by experiment and analyze the functioning of basic electronic circuits of AM and FM modulation and demodulation through experimentation using discrete electronic components.
B18EC1030	Elements Of Mechanical Engineering	2018-19	Employability, skill development and employability: Students are given with an introduction to sustainable design which includes sewage and water supply systems and different commutation facilities. Students are established with a broad concept of various types of turbines and internal combustion engines
BTCE15F7770	Elements Of Road Safety(Oe)	2018-19	skill development and employability : Moot court is simulated court session based on solving hypothetical facts/cases through oral arguments and written memorials that involves analysis of legislations, customary laws, legal dictionaries, precedents, both national and international. This course helps in analysing legal problems and research for solutions which will in turn improve their writing, research, speaking, critical thinking skills. This course also helps in imbibing professional and ethical responsibilities in a court room.
MTCS17P4330	Embedded Computing Systems	2018-19	Employability: Students are trained to explain the basics of embedded systems and design embedded systems. <u>Design and Develop Internet-of-Things based applications.</u>
M18PS2052	Emc/Emi/Power Transients	2018-19	skill development and employability: Able to analyse and model EMC. By identifying the source, the receptor, and the coupling path, analyzes potential EMI problems.
M18CH3342	Energy And Energy Conversion System	2018-19	skill development and employability, Employability : Acquire the knowledge of renewable, non renewable energy resources, their advantages and disadvantages, environmental effects. Understanding of electrochemical cells and importance of semiconductors in technology.
M18PS2020	Energy Conservation And Demand Side Management	2018-19	skill development and employability : As part of the course, students are made to analyze essential theoretical and practical knowledge about the concept of energy conservation, energy management, different approaches of energy conservation in industries, economic aspects of energy conservation project and energy audit and measuring instruments in commercial and industrial sector. They practically prepare full audit report for few case studies and suggest cost-effective measures towards improving energy efficient and energy conservation. By studying this course students can be able to appear for Certified Energy Manager (CEM) examination conducting by Bureau of Energy Efficiency, India.
B18EC2020	Engineering Chemistry	2018-19	Employability, skill development and employability: The purpose of this course is to develop a strong foundation in the principles and methods to understand the properties in of the surface phenomenon, phase rule and alloys, advanced Engineering materials, fuels and analytical techniques.
B18EE2020	Engineering Chemistry	2018-19	Employability: The concepts of chemistry with respect to Electrochemical cells, fuel cells, mechanism of corrosion inculcate confidence in students to examine practical aspects for furtherance. Acquire knowledge on industrially significant advanced engineering materials. Differentiate materials to make it most suitably to an application. Ascertain material selection for different engineering applications.
B18CE1080	Engineering Drawing(Manual)	2018-19	skill development and employability: Comprehend general projection theory, with emphasis on orthographic projection to represent in two-dimensional views (principal, auxiliary, sections). Dimension and annotate two-dimensional engineering drawings.
B18CE2040	Engineering Mechanics	2018-19	To make students understand the basics of representation of electrical quantities and relationship among them.
B18EE1030	Engineering Mechanics	2018-19	Employability: Knowledge of moment of inertia and mechanical forces are helpful for design engineers.
B18EC1020	Engineering Physics	2018-19	Employability, skill development and employability: Students are studying forces and motion, and the properties of matter and heat. Topics will include motion in one, two, and three dimensions, mechanical equilibrium, momentum, energy, rotational motion and dynamics, periodic motion, and conservation laws.
B18EC1090	Engineering Physics Lab	2018-19	Employability, skill development and employability: Students are performing the experiments for the theoretical concepts which are discussed in lectures
M18PA2020	English And Communication Ii	2018-19	skill development and employability as this subject will enable the dancers/artist of School of Performing Arts develop their basic communication skills in English.
M18EN2052	English For Specific Purposes	2018-19	skill development and employability: Students develop a thorough knowledge of the principles and practice of ESP, recent developments in teaching methodology to perform the role of teachers as model-facilitators.
17JE305	English Literature & Facets Of Language - Iii	2018-19	Employability: Students develop literary sensibility and the course enhances the skills in the usage of creative writing
B18BA1060	English Literature & Language-I : British Literature(Chaucer To Pope) & Aspects Of Language	2018-19	skill development and employability. This subject introduces the framework of the different literary genres.
B18BA2060	English Literature & Language-ii	2018-19	skill development and employability. This subject enables the students to understand the context of the literary age and the genre focussed in the syllabus. It will also help the students to understand and relate the British Literature chronologically.
M18EN2010	English Literature -Ii (From Romantic Age To 20th Century British Literature)	2018-19	Employability: Students are familiarized with the British intellectual tradition and are able to assess the creative responses to political, societal, religious and cultural changes that take place from the pre-Romantic era to the Modern era.
B18BJ2050	English Literature(The Romantic Era) & Facets Of Language-Ii	2018-19	Employability: Students develop literary sensibility and the course enhances the skills in the usage of creative writing
M18EN1010	English Literature-I (From Chaucer To The Augustans)	2018-19	Employability: Students are familiarized with the core concepts underlying the interdisciplinary field of Gender Studies, introducing the ways in which the study of sex/gender as social categories changes or shapes our understanding and addressing of the culture, history and society.
B18BJ1050	English Literature(Chaucer -Pope) & Facets Of Language - I	2018-19	Employability: Students are familiarized with the British intellectual tradition and are able to assess the creative responses to political, societal, religious and cultural changes that take place from the Middle English period to the Augustan era.
B18BE2050	Entrepreneurial Competency Development	2018-19	Employability, skill development and employability, Entrepreneurship: The course develops the skills related to entrepreneurial activity.
BCOM16F6100	Entrepreneurship Development	2018-19	Employability, Entrepreneurship and skill development and employability: The course provides a detailed information regarding developing an enterprise and skills that has to be incorporated in an entrepreneur.
BSCB16F6510	Entrepreneurship And Management	2018-19	skill development and employability, Employability: Students learn to describe the basic principles and concepts of management, distinguish different plans and list steps in planning, interpret the concepts of directing and controlling, demonstrate the meaning, functions, types and roles of an entrepreneur and describe various institutional support which enhances their employability skills.
B18EE2060	Environmental Sciences	2018-19	Employability: Creating awareness about the environment
B18CH2060	Environmental And Public Health	2018-19	skill development and employability: The course focuses on Environmental health as a component of the public health system and is committed to protecting the health of the public and enhancing quality of life by assessing, correcting, controlling, and preventing those factors in the environment that can adversely affect human health.
M18CH3441	Environmental Chemistry And Applied Analysis	2018-19	skill development and employability : Acquire the knowledge of atmosphere, environmental problems, analysis of various components of food and drugs.

M18PS2062	Environmental Impacts Of Energy Conversion And Safety	2018-19	skill development and employability: This course deals with the various impacts of energy conversion methods and safety methods to be adopted
BBBL15F7400	Environmental Law	2018-19	Employability, Entrepreneurship : The students understand the concepts of environment and pollution and the legal framework that exist in the country to combat environmental pollution. The course also provides a comprehensive idea of Water and Air Pollution Acts and deals with the legislations related to environment, forest, wildlife and bio-diversity.
B18BJ1010	Environmental Science	2018-19	skill development and employability: Students learn Interdisciplinary - When encountering environmental problems and assess necessary scientific concepts and data, considering social dynamics, and establish integral cultural contexts.
17JE303	Environmental Sciences	2018-19	skill development and employability: Students learn Interdisciplinary - When encountering environmental problems and assess necessary scientific concepts and data, considering social dynamics, and establish integral cultural contexts.
B18EC2050	Environmental Sciences	2018-19	Employability, skill development and employability: This course will give the skills necessary to address the environmental issues we are facing today by examining scientific principles and the application of those principles to natural systems. This course will survey some of the many environmental science topics at an introductory level, ultimately considering the sustainability of human activities on the planet.
B18AR1050	Environmental Studies	2018-19	Entrepreneurship: Students are trained in different ways for protecting the environment.
B18BC2060	Environmental Studies	2018-19	skill development and employability: familiarize students with environmental issues as how to conserve, preserve our Environment. Here Social issues related to environment will be undertaken by the students
B18BS1050	Environmental Studies	2018-19	skill development and employability: familiarize students with environmental issues as how to conserve, preserve our Environment. Here Social issues related to environment will be undertaken by the students
B18ME1050	Environmental Studies	2018-19	skill development and employability: Analyze the environmental conditions and protect it. Analyze the ecological imbalances and protect it. Employability: Will interpret the role of individual, government and NGO in environmental protection. Examine new renewable energy resources with high efficiency through active research. Discover the causes of environmental pollution & find ways to overcome them. Design pollution controlled products.
BA.LB166200	Environmental Studies & Environmental Law	2018-19	Employability, Entrepreneurship : The students understand the concepts of environment and pollution and the legal framework that exist in the country to combat environmental pollution. The course also provides a comprehensive idea of Water and Air Pollution Acts and deals with the legislations related to environment, forest, wildlife and bio-diversity.
B18CS1050	Environmentalscience	2018-19	skill development and employability: Students are familiarized to estimate the role of individual, government and NGO in environmental protection. To analyze the ecological imbalances and protect it.
M18BC1080	Enzymology (Lab-iii)	2018-19	skill development and employability: • Acquire training with respect to various enzymes • Explore regarding the functions of different enzymes • Outline the activity relationship and kinetics of the enzymes in detail
BSCB16F5510	Erp	2018-19	Entrepreneurship skill development and employability, Employability: Students learn to implement ERP in business environment. This will enhance their employability skills.
B18AL1040	Essentials Of Sociology	2018-19	Employability, Entrepreneurship : The course aims at providing information on current stress management techniques and evaluate personal relevance and focuses on practicing specific techniques, track effectiveness, and revise to meet personal preferences.
BTEE15F8203	Estimation And Design Of Electrical Installation	2018-19	skill development and employability and Employability: The knowledge helps to work as an Electrical contractor ,electrical & Air conditions consultant
BBHO16F3400	Ethical Values For Business(Oe)	2018-19	Entrepreneurship : The course develops students in areas of ethical decisions which will bring development in society as large.
BR17AR4082	Europe & Other Countries	2018-19	Skill: Students enhance their skills of drawing and detailing contemporary buildings along with critical analysis of architectural styles
17JM401	Event Management	2018-19	Employability and skill development and employability: Students learn the various stages of organising events in multiple platforms. They develop to analyze the Organisational skills and importance of team work
M18PS1061	Facts Controllers	2018-19	Employability: By studying this subject students can analyze the Interaction of different FACTS controller with the power system. Students can have employment opportunities in several Public sector and Private sector power generation, Transmission and Distribution companies in the fields of planning, design, operation and control.
BA.LB165300	Family Law - ii	2018-19	Employability, Entrepreneurship : The course concentrates on various aspects of Islamic law including family law, gifts, wakfs and some other areas of law such as succession, Indian Divorce Act and Special Marriage Act.
MT17VS323	Fgpa Based Embedded System Design	2018-19	Employability, skill development and employability: Understanding the FPGA design flow. Building the various digital system sub blocks using HDL. Performing the timing analysis, power analysis and area analysis with respect to the FPGA platform
MFA17F4600	Field Trip And Dissertation	2018-19	skill development and employability and entrepreneurship. This subject deals with the field trip that the students would do to gain hands on experience in the sites of art and would also do a research work on their interested area as a part of their final dissertation.
BCOM16F6300	Final Dissertation Project	2018-19	Employability and skill development and employability: It enables the students to have outworld exposure and a real time experience of finding the gap between their study and its implementation.
B18BC1030	Financial Accounting	2018-19	Employability and skill development and employability: Students are made to be familiarised with concepts with the basic accounting concepts and the functioning of financial accounting standards, hire purchase, Royalty and Consignment accounts.
MBA16P320	Financial Analytics	2018-19	This course provides deep understanding and practical exposure to analytical methods and domain knowledge employed in Banking and Financial Services. Job opportunities are very high in this domain.
BSCB16F6520	Financial Engineering	2018-19	skill development and employability, Employability: Students learn to describe the basic principles and concepts of management, distinguish different plans and list steps in planning, interpret the concepts of directing and controlling, demonstrate the meaning, functions, types and roles of an entrepreneur and describe various institutional support which enhances their employability skills.
BBHO16F6F13	Financial Markets And Services	2018-19	skill development and employability, Employability : The students understand the concepts and theories underlying financial management and able to evaluate the financial decisions and its implication for the shareholders and the company. Student able to competent to analyze and evaluate information for financial planning, control and decision making.
BCHO16F5400	Financial Markets And Services	2018-19	Employability: The course provides a comprehensive overview and systematic evaluation of the mainstream markets of various financial instruments such as call money, bond, stock, derivatives and exchange rate.
BCHO16F5300	Financial Reporting And Analysis	2018-19	Employability: This course covers current practices in corporate financial reporting and fundamental issues relating to asset valuation and income determination. The emphasis is on financial statement analysis and interpretation of financial disclosures to help improve risk assessment, forecasting, and decision-making.
M18MD1050	Finite Element Procedure I	2018-19	Employability & Entrepreneurship: The course is designed to make students employable in numerical analysis of mechanical systems using FE formulations
M18MD2020	Finite Element Procedure-ii	2018-19	Employability & Entrepreneurship: The course is intended to impart the skills of FE formulation of dynamic problems, non linear and thermal systems.

B18BA2081	Folk Dance	2018-19	Skill development. This subject teaches the fundamental nuances of the Folk Dance and the different folk dances that are present all over the country with their history.
B18BA2082	Folk Music	2018-19	Skill development. This subject teaches the fundamental nuances of the Folk Dance and the different folk music that are present all over the country with their history.
B18BA2083	Folk Theatre	2018-19	Skill development. This subject teaches the fundamental nuances of the Folk Dance and the different folk theatre that are present all over the country with their history.
B18BA1070	Foundations Of Psychology -I	2018-19	skill development and employability. This subject demonstrates knowledge and the understanding of theory and research in the general domains of the Psychology.
M18PS2044	Fpga Application	2018-19	skill development and employability: This course covers the systematic design of advanced digital systems using field-programmable gate arrays (FPGAs)
B18BE2010	Functional English	2018-19	skill development and employability through Language application
B18BH2010	Functional English	2018-19	skill development and employability: Students develop language skills.
M18CH4021	Functional Inorganic Materials	2018-19	Skill development : Acquire the knowledge of inorganic macromolecules, synthesis and their applications.
M18JM2051	Fundamentals Of Photography	2018-19	Employability and skill development and employability: Students learn the various levels of Radio program production techniques and use them in their work place. They develop to analyze the process of scripting, Radio Jockeying and sound editing aspects.
M18PH1060	General Physics Lab - I	2018-19	skill development and employability: Students learn to determine physical parameters experimentally and analyze the concepts of physics through experiments.
MS17PH307	General Physics Lab Iii	2018-19	skill development and employability: This course introduces the students to basic concepts of physics through hands on experience and gives experimental skills to the students.
M18BC1020	General Physiology	2018-19	skill development and employability: The students can understand the complete structural elucidation of various organs like Heart, Kidney and Lungs etc and also can understand the importance of organs for maintaining the homeostatic system.
B18BL1030	General Principles And Economics	2018-19	Employability: The course is a broad discipline in that it describes the trade-off that consumers, workers, and firms face, and show how these trade-offs are best made. The course provides useful insights into every facet of the business and non-business world in which we live-including household decision making.
B18AL1030	General Principles And Economics	2018-19	Employability : The course is designed with an objective to give the students a clear understanding of the different types of costs and its significance in production process. The discussion of types of revenues will help students to understand the determination of maximum profit for any firm. The course will help them understand the different kinds of market structure and the behavior of firms in determination of price and output.
M18MD1020	Geometric Modeling And Prototype	2018-19	Employability & Entrepreneurship: The course is designed to make students employable in creating CAD models with the knowledge of GD&T
MTCS17F3500	Global Certification	2018-19	skill development and employability: Students are trained and received the certifications on latest technologies that will help them in building their career.
MTDE17F3500	Global Certification	2018-19	skill development and employability: Students are trained and received the certifications on latest technologies that will help them in building their career.
MCOM16F4T10	Goods And Services Tax Ii	2018-19	Employability, skill development and employability: Students will understand the basic principles underlying the Indirect Taxation Statutes (with reference to GST Act, Customs Act), to equip students with the principles and provisions of Goods and Services Tax (GST).
MCOM16F3T10	Goods And Service Tax - I	2018-19	Employability, skill development and employability: Students will understand the basic principles underlying the Indirect Taxation Statutes (with reference to GST Act, Customs Act), to equip students with the principles and provisions of Goods and Services Tax (GST).
BCHO16F5A12	Goods And Service Tax (Gst)	2018-19	Employability and skill development and employability: It provides an introduction to, and overview of, fundamental concepts of GST law. Topics include Introduction to GST, CGST, SGST and IGST. Also computation of total output tax liability. student can become Tax consultant.
M18PS2064	Green Building Technology	2018-19	skill development and employability: Students are introduced to the key principles of green building, including current standards and considerations for regional factors
M18TE1030	Ground Improvement Technique	2018-19	Skill development and employability: Analysis and interpretation of soil exploration data. Formulate ground improvement techniques that are suitable for weak soils
MFA17F4500	Group Choreography	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalams, music, literature and the spiritual and philosophical depths in it.
BCOM16F5A13	Gst & Custom Law	2018-19	Employability and skill development and employability: It provides an introduction to, and overview of, fundamental concepts of GST law. Topics include Introduction to GST, CGST, SGST and IGST. Also computation of total output tax liability. student can become Tax consultant.
17JE327	Guidance & Counseling(Oe)	2018-19	Employability and skill development and employability: Students learn the various aspects of the process of the recruitment
BBBL15F8640	Health Care Law	2018-19	Employability, Entrepreneurship To focus on various aspects of health care law including the constitutional perspective, obligations and negligence of medical professionals and remedies available to consumers of health care.
M18TE2040	Highway Economics And Finance	2018-19	Employability and skill development and employability: Explain the basic terminology of economics and its application in transportation. Define the concept and components involved in economic Analysis
BTCE16F5100	Highway Engineering	2018-19	skill development: To educate students about the importance of highway development, highway planning and highway alignment. To make students familiar with highway geometric design elements and to educate students about the importance of traffic engineering and the features of traffic characteristics.
BTCE16F5600	Highway Engineering Lab	2018-19	Employability and skill development and employability: To familiarize practical knowledge by conducting experiments.
BTCE15F8340	Highway Geometric Design	2018-19	skill development: To educate students about the importance of highway geometric design, pavement surface characteristics affecting performance and safe stopping sight distance, To make students familiar with safe overtaking sight distance, cant, horizontal transition curves and setback distances along horizontal curves of highways.
M18TE1070	Highway Materials Testing And Pavment Evaluation Laboratory	2018-19	Employability and skill development and employability: Explains the origin, properties, constituents and different test procedures and specifications of soil. Provide the overview about aggregate properties and tests to be carried out
MTDE17F3130	Hr Analytics	2018-19	Employability: Students are re-trained on HR analytics that enables HR professionals to make data-driven decisions to attract, manage, and retain employees, which improves ROI. It helps leaders make decisions to create better work environments and maximize employee productivity.
MTCS17P4320	Human Computer Interaction	2018-19	skill development and employability: Students learnt prototyping on paper, tools like Invision, POP, FluidUI, Sketch and the best practices in prototyping and UI/UX design.
B18BC2050	Human Resource Management	2018-19	Employability: The students are trained on how an organization acquires, rewards, motivates, uses, and generally manages its people effectively. They also learn basic legal and conceptual framework required for managers, practices and techniques for evaluating performance, structuring teams, coaching and mentoring people, and performing the wide range of other people related duties of a manager in today's increasingly complex workplace.

BA.LB166610	Human Rights Law	2018-19	Employability, Entrepreneurship : The course provides an insight into the significance of various human rights in the contemporary era and the mechanisms developed at the international and national level for protection and promotion of human rights. The course increases the knowledge of law students with respect to underlying values of human rights and trains them to explore various international and national legal frameworks which embody human rights and promote them in practice.
BTEE15F7402	Hvdc	2018-19	Employability: This course creates new high-skilled jobs in the area making it a key location for electrical research and innovation. This course creates new high-skilled jobs in the area making it a key location for electrical research and innovation. It also provides employability in the field of offshore wind farms. It also provides employability in the field of offshore wind farms. Students can crack Gate, IES, KPCL and KPCL PGIL and IAS.
M18PS2030	Hvdc Transmission	2018-19	This course creates new high-skilled jobs in the area making it a key location for electrical research and innovation. This course creates new high-skilled jobs in the area making it a key location for electrical research and innovation. It also provides employability in the field of offshore wind farms. It also provides employability in the field of offshore wind farms. Students can crack Gate, IES, KPCL and KPCL PGIL and IAS.
BTCE16F5800	Hydraulic Structures Design And Drawing	2018-19	Skill development: To familiarize with the design and drawing of weirs, canal drop, canal regulator and aqueduct.
M18BC2080	Immunology (Laboratory - Vi)	2018-19	Employability, Entrepreneurship and skill development and employability: The student will be employed in the diagnostic labs and they can become an entrepreneur and also they can expertise in skills for lab testing
BCHO16F5100	Income Tax And Practice-I	2018-19	Employability: This course provides an introduction to taxation in India. It helps to gain knowledge about the Indian Taxation System.
BCHO16F6100	Income Tax And Practice-II	2018-19	Employability: It helps students focus on the systematic study of the concepts specialized topics related to the fields of taxation and covers the overall direct taxes like profit and loss from business or profession, capital gains, income generating from other sources and deduction of tax under sections.
MPA17F3940	Indian Choir Music(Oe)	2018-19	skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
MFA17F3910	Indian Classical Dance Forms(Oe)	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BB1060	Indian Constitution And Human Rights	2018-19	skill development and employability: Students gain an in-depth knowledge of the working of international financial markets, mechanism of Forex market, Forex market intermediaries, measurement of foreign exchange risk and managing risk through internal and external techniques. They develop the skills of forecasting foreign exchange rate and valuation of futures, options and swaps.
B18BC1060	Indian Constitution And Human Rights	2018-19	skill development and employability: it provides basic information about Indian constitution, and identify individual role and ethical responsibility towards society. A brief study will be done by the students about the Constitution of India.
B18BE1060	Indian Constitution And Human Rights	2018-19	Employability: The students acquire a comprehensive view of Indian Constitution and Human Rights. Students become more responsible as citizens of our country with knowledge of their fundamental rights, duties, directive principles and become more responsible employees.
B18BH1060	Indian Constitution And Human Rights	2018-19	Employability, Entrepreneurship : The course develops students in areas of Production and Operations management, that will enable them to understand manufacturing/operation/service functions and their application to an organization and orient and train students in methods, techniques and concepts.
B18BJ2010	Indian Constitution And Human Rights	2018-19	skill development and employability: Students learn to analyze complex problems, find and deploy a variety of legal authorities, and communicate effectively in a variety of settings.
B18CH1060	Indian Constitution And Human Rights	2018-19	Entrepreneurship and Employability: As Students it is imperative for them to understand the basic principles, structure, rights and working of various institutions in our nation. So this course is offered to be more accustomed to our polity.
B18BC1040	Indian Economy	2018-19	skill development and employability: helps to To Comprehend the different problems and approaches to economic planning and policies in India and explore various aspects of Fiscal policy & its challenges in Indian public finance
BCOM16F5300	Indian Financial System	2018-19	Employability Entrepreneurship and skill development and employability: the course provides the knowledge and the practical application of various aspects that are required to deal in various markets and the role of various financial and non financial institutions that supports the development of various sectors in the society.
MPA17F3520	Individual Choreography For Bharatanatyam - Practical - 2	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
MPA17F3510	Individual Choreography For Kuchipudi - Practical - 2	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
B18CH1040	Industrial Economy Of India	2018-19	Employability: Enables the students to receive the knowledge of industrial economics and to comprehend concept of theories of firm.
BTEE15F7403	Industrial Instrumentation And Automation	2018-19	Employability: This program provides training in the operation, maintenance, troubleshooting and repair of various pneumatic, electronic and micro-processor-based process control systems, while emphasizing safety and teamwork throughout the program. Oil refineries, pulp and paper mills, chemical plants, steam and power plants, dairies, breweries, mining, manufacturing industries, oceans sector and other research environments.
BSCB16F6610	Information Security And Cryptography	2018-19	skill development and employability, Employability: Students learn the concepts of computer network security covering security architecture and services, security encryption algorithms and standards such as DES, Public key Cryptographic Principles and Algorithms, features of network security applications and gain expertise in electronic mail security systems which enhances their employability skills.

BBBL15F8300	Intellectual Property Law	2018-19	Employability, Entrepreneurship : The students learn to critically analyse the concept of various forms of IPRs and the role of judiciary in protecting those and to evaluate the existing loopholes in the system related to protection of IPRs. The course also provide an extensive study on copyright, the legal regime for registration and enforcement of trademarks, the national and international response for protection of geographical indications and plant varieties and the rights associated with designs and integrated circuits and the defences available in cases of right infringement. The course also provides a comprehensive idea on 'patentable' inventions, 'novelty', 'non-obviousness' and 'industrial applicability' and the legal regime for patents, procedures for obtaining patents and remedies for patent infringement.
M18LM2040	Intellectual Property Law	2018-19	Employability, Entrepreneurship : The students learn to critically analyse the concept of various forms of IPRs and the role of judiciary in protecting those and to evaluate the existing loopholes in the system related to protection of IPRs. The course also provide an extensive study on copyright, the legal regime for registration and enforcement of trademarks, the national and international response for protection of geographical indications and plant varieties and the rights associated with designs and integrated circuits and the defences available in cases of right infringement. The course also provides a comprehensive idea on 'patentable' inventions, 'novelty', 'non-obviousness' and 'industrial applicability' and the legal regime for patents, procedures for obtaining patents and remedies for patent infringement.
BA.LB167600	Intellectual Property Rights(Oe)	2018-19	Employability, Entrepreneurship : The students learn the concept of copyright, the legal regime for registration and enforcement of trademarks, the national and international response for protection of geographical indications and plant varieties and the rights associated with designs and integrated circuits and the defences available in cases of right infringement. The course also provides a comprehensive idea on 'patentable' inventions, 'novelty', 'non-obviousness' and 'industrial applicability' and the legal regime for patents, procedures for obtaining patents and remedies for patent infringement.
BRAR15F7400	Interior Design[Id]	2018-19	Skill, Employability, Entrepreneurship: Students are trained to carry out a complete interior design project including design of various components of interior space and treatment and finishes for the same.
BCOM16F5A14	International Financial Reporting Standards	2018-19	skill development and employability: Students will be able to know the need of adopting an uniform accounting standards which are acceptable through out the world.
BCHO16F5200	International Business	2018-19	Employability and Entrepreneurship: This course provides students an overview of the environment, concepts, and basic differences involved in international business.
M18MC1060	International Business	2018-19	Entrepreneurship - Help students to identify and recognize the operations of international business and understand the existing financial system in foreign trade.
17JM403	International Communication	2018-19	Employability and skill development and employability: Students learn the various aspects of international communication and its importance in current global scenario. They develop to analyze the importance of international communication.
M18MC1010	International Economics	2018-19	Employability, Entrepreneurship and skill development and employability: forex markets, international Parity conditions, forex risks, currency derivatives and hedging issues, issues with currency investment strategies, issues with cross border financing decisions and cross border investment decisions. student can also become stock broker.
BBHO16F5H12	International Human Resource Management	2018-19	Employability: Students learn about the concept, importance and functions related to managing employees in MNCs and in international setting. They gain awareness about various approaches adopted in international scenario in human resources management and their practical implications. Students become aware as to how to manage international employees in MNCs through various IHRM practices. This improves their employability skills in people management.
BA.LB16 3500	International Relations	2018-19	Employability : The course focuses on international relations and emerging issues in the relations between states with specific focus on UN, diplomacy and contemporary global concerns such as role of non-state actors in international relations.
BBBL15F8200	International Trade Law	2018-19	Employability : The course provides detailed focus on national legislations such as Customs Act and Foreign Exchange Management Act and enables the students to have a comprehensive knowledge on WTO jurisprudence with special emphasis on the export import policies of the nation. The course provides a comprehensive analysis of transnational commercial laws and dispute settlement mechanisms including international commercial arbitration.
M18LM2020	International Trade Law	2018-19	Employability : The course provides detailed focus on national legislations such as Customs Act and Foreign Exchange Management Act and enables the students to have a comprehensive knowledge on WTO jurisprudence with special emphasis on the export import policies of the nation. The course provides a comprehensive analysis of transnational commercial laws and dispute settlement mechanisms including international commercial arbitration.
17JM307	Internship	2018-19	Employability and skill development and employability: Students focus on their own practice and professional development and further develop and refine their skills .
17JE406	Internship / Practice / Club Activity	2018-19	Employability and skill development and employability: Students focus on their own practice and professional development and further develop and refine their skills .
M18CH3060	Internship / Skill Development And Employability	2018-19	skill development and employability and employability : Acquire the knowledge of research and hands on experience of instruments
B18BJ2090	Internship/Certificate Course	2018-19	Employability and skill development and employability: Students learn the various levels of Radio program production techniques and use them in their work place. They develop to analyze the process of scripting, Radio Jockeying and sound editing aspects.
MT17VS302	Internship/Mini Project	2018-19	skill development and employability: Carrying the internship in companies, institutes to understand the emerging technologies
BBBL15F8500	Interpretation Of Statutes	2018-19	Employability : The students learn the various rules of interpretation and the aids of construction a statutory provision. The judicial interpretations given to various tools of interpretations also form part of the course.
MCOM16F3200	Introduction To Financial Management(Oe)	2018-19	skill development and employability, Employability : The students understand the concepts and theories underlying financial management and able to evaluate the financial decisions and its implication for the shareholders and the company. Student able to competent to analyze and evaluate information for financial planning, control and decision making.
BTEE15F8202	Introduction To Flexible Ac Transmission System	2018-19	skill development and employability and Employability: By studying this subject students can analyze the interaction of different FACTS controller with the power system. Students can have employment opportunities in several Public sector and Private sector power generation, Transmission and Distribution companies in the fields of planning, design, operation and control.
B18BB1050	Introduction To Management	2018-19	Employability , Entrepreneurship: To familiarize students with the decisions involved in running a firm and the concepts & principles for making those decisions to make it go further.
M18MT2030	Introductory Graph Theory	2018-19	skill development and employability, Employability, Entrepreneurship:This course familiarized to learn the concept of connectivity to solve utility problems, mapping problems and the concept of planarity to solve 2D circuit problem. To learn about the concept of colourability to solve Sudoku problem, mobile frequency assignment problem, the concept of matching to estimate the bond lengths,the concept of matching to solve TSP and the concept of domination to solve routing problem.

BA.LB166400	Investment And Competition Laws	2018-19	Employability, Entrepreneurship : The course provides detailed analysis of national legislations such as Securities Contracts (Regulation) Act, SEBI Act, Depositories Act and Competition Act. The students are trained on central topics of Indian investment law and the approach of legal frameworks and regulating authorities of investments in India alongwith the current state of investor protection in India. The students also learn the concepts related to competition law such as abuse of dominant position, predatory pricing, anti-competitive agreements and the role of Competition Commission of India.
M18LM1040	Investment Law And Competition Law	2018-19	Employability, Entrepreneurship : The students are trained on central topics of Indian investment law and the approach of legal frameworks and regulating authorities of investments in India alongwith the current state of investor protection in India. The students also learn the concepts related to competition law such as abuse of dominant position, predatory pricing, anti-competitive agreements and the role of CCI.
M18DC2030	IoT And Cyber Physical Systems	2018-19	Employability: skill development and employability, Employability: In this course students will have full connected-product experiences by integrating Internet services and physical objects, will know developing prototypes of Internet-connected products using appropriate tools , understand Basic Arduino programming. Extended Arduino libraries. Arduino-based Internet communication
MS17CS332	It Security	2018-19	skill development and employability, Employability, Entrepreneurship: Students Explain the major concepts and techniques in the field of mobile computing, Describe the 2G and 3G communication systems, Describe Mobile IP and Mobile TCP, Explain the Security in mobile computing, Handoff in wireless mobile networks ,Describe basic concepts of Pervasive Computing.
MPA17F1420	Items- Bharatanatyam -(Shabdham,Kriti) - Practical 2	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
MPA17F1410	Items -Kuchipudi -(Poorvarangam ,Shabdham,Ramadasu/Annamacharya Keertana)- Practical -2	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
MPA17F3420	Items-Bharatanatyam-Daru Or Swarajati Varnam Practical -I	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18MS1080	Java Lab	2018-19	Entrepreneurship skill development and employability, Employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of the internet standards and recent web technologies like Conferencing, newsgroup etc. Students learn to implement, compile, test and run Java program,make use of hierarchy of Java classes to provide a solution to a given set of requirements found in the Java API, understand the components and patterns that constitute a suitable architecture for a web application using java servlets. This will enhance their employability skills.
17JE402	Journalism - Iv (Fundamentals Of Media Research)	2018-19	Employability and skill development and employability: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research
B18BJ1040	Journalism-I(Introduction To Media And Communications)	2018-19	Employability and skill development and employability: Students learn the basic aspects of communication and media. It help them to understand the better way of perceiving information.
B18BJ2040	Journalism-Ii(Reporting & Editing)	2018-19	Employability and skill development and employability: Students learn the various aspects of reporting and editing techniques in various media platforms. They develop to analyze the process of reporting and editing techniques for print and electronic media
17JE304	Journalism-iii (Audio-Visual Production)	2018-19	Employability and skill development and employability: Students learn explore the process of media packages and programme production for radio and television in their work place. They develop to anchoring and presentation skills.
B18AL2050	Jurisprudence	2018-19	Skill Development : The course provides comprehend knowledge of doctrines about law and justice, developed over the years, in various nations and historical situations and helps to understand the importance of legal concepts that is important so far as various legal courses are concerned so that the students can relate various concepts that they learn in other courses in law to their jurisprudential meanings and apply principles of liability with a comprehensive understanding of the concepts in environmental law and health care law.
B18BL2050	Jurisprudence	2018-19	Skill Development : The course provides comprehend knowledge of doctrines about law and justice, developed over the years, in various nations and historical situations and helps to understand the importance of legal concepts that is important so far as various legal courses are concerned so that the students can relate various concepts that they learn in other courses in law to their jurisprudential meanings and apply principles of liability with a comprehensive understanding of the concepts in environmental law and health care law.
BA.LB165600	Jurisprudence-ii	2018-19	skill development and employability : The course provides comprehend knowledge of doctrines about law and justice, developed over the years, in various nations and historical situations and helps to understand the importance of legal concepts that is important so far as various legal courses are concerned so that the students can relate various concepts that they learn in other courses in law to their jurisprudential meanings and apply principles of liability with a comprehensive understanding of the concepts in environmental law and health care law.
MS17BC305	Laboratory Course-iii	2018-19	skill development and employability:The students can able to isolate various genetic materials from various sources like Chicken liver and also the students can identify the molecular weight also.

MS18BC402	Laboratory Cum Training VI(Genetic Engineering)	2018-19	Skill development: Describe techniques involved in genetic engineering and apply this technology to combine genetic material from two different species, Diagnose the alternation of an organism's genetics, or hereditary material to eliminate undesirable characters or to produce desirable characters. Employability: Create opportunity in research lab, molecular biology testing lab and company
BA.LB165200	Labour & Industrial Law-I	2018-19	Employability, Entrepreneurship : The students are trained on the e the provisions in the Trade Unions Act, 1926, the mechanisms contemplated under the provisions of the Industrial Disputes Act for the prevention and settlement of Industrial Disputes, Industrial Employment (Standing Orders) Act, 1946 and Disciplinary Enquiry for Misconduct.
BA.LB166500	Labour & Industrial Law-II	2018-19	Employability, Entrepreneurship : The course provides an extensive study on social security and other economic and welfare legislations such as Factories Act, Minimum Wages Act, Payment of Wages Act, Payment of Bonus Act, Bonded Labour System (Abolition) Act, 1976; Inter State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979, Bonded Labour System (Abolition) Act, 1976 and Inter State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.
B18BJ1033	Language -I Additional English	2018-19	Additional English Employability and skill development and employability : Students gain and use the knowledge to comprehend and analyze the concepts and processes related to language and literature .
B18CA1013	Language -I: Additional English	2018-19	skill development and employability: Students develop English language skills.
B18BC1023	Language -II Additional Eng	2018-19	skill development and employability: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.
17JE301	Language -II Additional English	2018-19	Additional English Employability and skill development and employability : Students gain and use the knowledge to comprehend and analyze the concepts and processes related to language and literature .
B18BA1013	Language -II Additional English	2018-19	skill development and employability as this subject teaches the students the basic functional use of the language in context and also explore issues related to the society and ethics.The student develops a genuine habit of reading and writing leading to effective and efficient communication.
B18BB1023	Language -II Additional English	2018-19	skill development and employability and Entrepreneurship
B18BE1023	Language -II Additional English	2018-19	skill development and employability through Language application
B18BH1023	Language -II Additional English	2018-19	Employability: Students learn the concepts, process and methods or performance appraisal and compensation management. They understand the process of payroll fixing and administration, approaches of compensation management and the challenges faced in effective performance appraisal and compensation management. and the context of compensation practices followed in the Organization. The students develop employability skills in performance and compensation management.
B18CH1023	Language -II: Additional English	2018-19	Employability and skill development and employability: Students learn reading, writing, listening and presentation skills essential to workplace success and regional acceptancy.
17JE401-E	Language IV - Additional English	2018-19	Additional English Employability and skill development and employability : Students gain and use the knowledge to comprehend and analyze the concepts and processes related to language and literature .
B18BA2010	Language-II Additional English	2018-19	skill development and employability as this subject teaches the students the basic functional use of the language in context and also explore issues related to the society and ethics.The student develops a genuine habit of reading and writing leading to effective and efficient communication.
B18BC2023	Language-II Additional English	2018-19	skill development and employability: Equips students with the ability to acquire the functional use of language in context. It helps to develop in the students a genuine habit of reading and writing leading to effective and efficient communication.
B18BJ2033	Language-II Additional English	2018-19	Additional English Employability and skill development and employability : Students gain and use the knowledge to comprehend and analyze the concepts and processes related to language and literature .
B18CH2023	Language-II Additional English	2018-19	Employability and skill development and employability: Students learn reading, writing, listening and presentation skills essential to workplace success and regional acceptancy.
B18BB2023	Language-II Ae	2018-19	skill development and employability: Students develop language skills.
B18BE2023	Language-II Ae	2018-19	skill development and employability through Language application
B18BH2023	Language-II Ae	2018-19	skill development and employability: Students develop language skills.
B18BB2022	Language-II H	2018-19	skill development and employability: Students develop language skills.
B18BE2022	Language-II H	2018-19	skill development and employability through Language application
B18BH2022	Language-II H	2018-19	skill development and employability: Students develop language skills.
B18BB2021	Language-II K	2018-19	skill development and employability: Students develop language skills.
B18BE2021	Language-II K	2018-19	skill development and employability through Language application
B18BH2021	Language-II K	2018-19	skill development and employability: Students develop language skills.
B18AL2040	Law & Social Issues In India	2018-19	Employability: The course focuses on basic features of Indian society and social institutions such as marriage, family and kinship in addition to providing a comprehensive idea on social justice and social change in India.
M18LM2010	Law And Justice In A Globalizing World	2018-19	Employability : The course provides an understanding of the effects of globalization on law and justice with the help of analysis of jurisprudential theories and practical instances in the current legal scenario. The course also focuses on impact of globalization on Sovereignty of States and human rights and transnational corporations and their human rights responsibility.
B18BL1010	Law And Language - I	2018-19	skill development and employability : The course facilitates the students to develop a sound knowledge in grammar and to develop the communicative skills of the students. The students learn select works of literature in order to stir a literary interest in them which will give them an exposure to real-life scenarios.
B18AL1010	Law And Language -I	2018-19	skill development and employability : The course facilitates the students to develop a sound knowledge in grammar and to develop the communicative skills of the students. The students learn select works of literature in order to stir a literary interest in them which will give them an exposure to real-life scenarios.
B18AL2010	Law And Language-II	2018-19	Skill development and employability : The course aims at developing the vocabulary base on the students to ensure a thorough development of the literary skills of the students which will enable them to appreciate social and cultural values and to develop the writing skills of the students to a professional level. The course also helps in utilizing their acquired or developed vocabulary in multiple situations that requires skillful communication.

B18BL2010	Law And Language-II	2018-19	skill development and employability : The course aims at developing the vocabulary base of the students to ensure a thorough development of the literary skills of the students which will enable them to appreciate social and cultural values and to develop the writing skills of the students to a professional level. The course also helps in utilizing their acquired or developed vocabulary in multiple situations that requires skillful communication.
B18AL2060	Law Of Contract-I	2018-19	Employability, Entrepreneurship : The students are trained to acquaint with principles of analysis with regard to utilization of law of contract including the Indian Contract Act, 1872 which is essential for any business transaction, ensuring that both parties to the contract abide by the commonly established terms and conditions.
B18BL2060	Law Of Contract-I	2018-19	Employability, Entrepreneurship : The students are trained to acquaint with principles of analysis with regard to utilization of law of contract including the Indian Contract Act, 1872 which is essential for any business transaction, ensuring that both parties to the contract abide by the commonly established terms and conditions.
BA.LB166100	Law Of Crimes-II:Criminal Procedure Code	2018-19	Employability, Entrepreneurship : The students learn the crucial aspects relating to investigation and trial of offences like initiation of criminal cases, powers and duties of police during investigation of offences, stages of criminal trial, functions, duties, and powers of criminal courts and critical issues in administration of criminal justice like protection of human rights of accused, victims, principles of fair trial.
BBBL15F7100	Law Of Evidence	2018-19	Employability, Entrepreneurship : The course familiarises the students with the rules of evidence in relation to relevancy of facts and proof in addition to law relating to production of evidence. The course also familiarises the students with examination and cross examination and appreciation of evidence.
B18AL1050	Legal Methods And Legal Systems	2018-19	skill development and employability : The course seeks to develop a range of appropriate legal skills for budding lawyers and introduce students to a range of intellectual perspectives, ideas and traditions that have influenced the development of legal traditions in various parts of the world.
B18BL1050	Legal Methods And Legal Systems	2018-19	Employability, Entrepreneurship : The course aims at providing information on current stress management techniques and evaluate personal relevance and focuses on practicing specific techniques, track effectiveness, and revise to meet personal preferences.
BCOM16F5B11	Life And General Insurance	2018-19	Employability and skill development and employability: Here student can become an Insurance Agent and can acquaint with various types of life and general insurance concepts.
M18MT2010	Linear Algebra	2018-19	skill development and employability: This course recall basic concepts of matrices and matrix algebra, Demonstrate basic concepts of vector spaces, Interpret the concepts of linear transformations by using the matrices, Develop methods of computing and using eigen values and eigenvectors, This course will provide teaching opportunities in academic institutions and R&D.
B18ME2010	Linear Algebra And Laplace Transform	2018-19	Employability: Interpret the knowledge of Linear Algebra in Image processing and digital signal processing, first and higher order ordinary differential equations. Customize the knowledge of Laplace transformation from the time domain to the frequency domain, which transforms differential equations into algebraic equations and convolution into multiplication.
B18BS1090	Linux Lab	2018-19	skill development and employability, Employability: Students learn the design of the LINUX operating system., Execute various commands of the LINUX OS, learn the different types of filters used in LINUX.
M18CSP1030	Machine Learning And Deep Learning	2018-19	Entrepreneurship, Employability: Students are familiarized to explain the differences between machine learning and deep learning concepts. Trained to implement both the algorithms for intelligent applications. Also to perform evaluation of learning algorithms and model selection.
M18MS2010	Machine Learning Using Python	2018-19	skill development and employability, Employability: Students will learn the basic components of Machine Learning with concepts of Python, differentiate broad categories of Machine learning, Compare different types of algorithms used in Machine Learning domain with limitations, Examine the limitations of various machine learning algorithms and the way to evaluate performance of machine learning algorithms
MBA18P130	Machine Learning With R	2018-19	Understand the concepts of important machine learning algorithms. Learn how to perform data analysis using machine learning techniques. The participants should be able to solve data science problems with a variety of tools and techniques. Hands-on experience in real time projects helps the learners to sharpen their skills and confidence.
M18JM2052	Magazine Production And Writing Techniques	2018-19	Employability and skill development and employability: Students learn the aspects of magazine writing, editing and production and use them in their work place. They develop the skills of overall production of a magazine from story idea development to anatomy of layout.
BBHO16F6500	Major Dissertation Project	2018-19	skill development and employability & Employability: Students are allowed to take up minor project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted to the department.
17JM405	Major Project - Documentary/Dissertation	2018-19	Employability and skill development and employability: Students learn the various stages of media research and capable for preparing research papers and dissertations. They develop to analyze the production skills required for video production.
B18BE1050	Management And Entrepreneurship	2018-19	Employability, skill development and employability, Entrepreneurship: Students will understand the basic concepts of management to manage their enterprise.
BTEE15F8401	Management And Entrepreneurship	2018-19	skill development and employability and Employability: Analyses a business case, propose a creditable solution to a business problem. Able to Integrate functional areas into strategic business problems from a general management perspective
M18MB1010	Management And Organizational Behaviour	2018-19	Employability: Students learn basic concepts of management and factors underlying organisational behaviour including personality, perception, attitudes and values. They also learn group process, group tasks, conflict management with case studies.
B18BC1050	Management Of Banks	2018-19	Employability and skill development and employability: Gains knowledge on services offered by various categories of banks, and it also discuss about the bank marketing and study on banking relationships
BCHO16F6300	Management Of Non-Profit Organization	2018-19	Employability and Entrepreneurship: This course provides knowledge about the third sector i.e., non-profit organizations. It helps to gain knowledge about the importance of nonprofit organizations for the welfare of the society. It provides knowledge of preparing accounts and maintaining of finance by the nonprofit organisations.
B18BH1050	Management Principles And Application	2018-19	Employability: Students learn basic concepts of management and values. They also learn Process of management and apply.
M18MB1020	Managerial Accounting	2018-19	skill development and employability: Students are made to be familiarised with concepts underlying accounting that enable to prepare book of accounts, annual reports and interpret them. They practically prepare journals, subsidiary books, 3 column cash book, ledgers and trial balance. They analysis companies cash flow.
B18AL2030	Managerial Economics	2018-19	Employability, Entrepreneurship : The course is designed with an objective of equipping the students to analyse the trade-off that consumers, workers, and firms face, and show how these trades-offs are best made. The course involves the study of aggregate factors such as income, employment and inflation, and functioning of an economy and provides useful insights into every facet of the business and non-business world in which we live-including household decision making.

B18BL2030	Managerial Economics	2018-19	Employability: The course provides a strong foundation on how to direct scarce resources in the way that most efficiently achieve the goal. It is a broad discipline in that it describes the trade-off that consumers, workers, and firms face, and show how these trades-offs are best made. The course provides useful insights into every facet of the business and non-business world in which we live-including household decision making
BBHO16F6400	Managing Work Place Conflicts	2018-19	Employability: This enhances their employability and entrepreneurial skills as well as the conflict management approaches within formal organizational setup.
B18ME2040	Manufacturing Technology	2018-19	Employability & Entrepreneurship: Principle of metal joining process. Identify the inspection of defects. Employability: Can build career in foundry industries. Demonstrate the principles associated with special casting process.
M18LM2030	Maritime Law	2018-19	Employability, Entrepreneurship : The course familiarises the students with law of the sea and the international conventions relating to law of the sea in addition to focussing on specific concepts such as nationality and registration of ships, arrest of ships, maritime liens and privileges and carriage of goods by sea. The course also provides a comprehensive understanding on marine insurance and marine collisions with special reference to international conventions relating to the same.
MBA16P330	Marketing And Retail Analytics	2018-19	Participants will get a comprehensive view of the data science application in Retail and Marketing world and do hands-on work on case studies from the above domains. -Participants would be fully equipped to undertake analytical projects from the above domains. Builds skills, confidence and employability.
B18BB2040	Marketing Management	2018-19	Employability, skill development and employability: The course provides students an insight into various marketing tools / models for solving marketing problems in the changing business environment and students also learn the skills of personal selling & customer management.
M18MB1030	Marketing Management	2018-19	Employability, skill development and employability: The course provides students an insight into various marketing tools / models for solving marketing problems in the changing business environment and students also learn the skills of personal selling & customer management.
M18MC2040	Marketing Management	2018-19	Employability - Students understand the concepts of marketing in terms of strategies for product & services management. They also learn the skills of personal selling & customer management.
B18BL2020	Marketing Management	2018-19	Employability, Entrepreneurship & Skill Development : The students are trained to develop suitable marketing strategies. They also learn social, legal, ethical and technological forces on marketing decision-making.
BCOM16F5B12	Marketing Of Insurance Products	2018-19	Employability: The students will analyse the various modes that could be adopted in the process of marketing the insurance product. They can also be placed in the insurance company in the field of marketing.
BTCE16F5430	Mass Transit Facilities	2018-19	Entrepreneurship: To educate students about the importance and need of town planning, to make students familiar with the historical planning principles of various cities around the world.
MS17PH338	Material Science (Special)	2018-19	skill development and employability: This course makes the students to test I-V properties of thin films through experiment. Students also learn to analyse thermo luminescence glow curves of different phosphor materials
MS17PH334	Material Science ii	2018-19	skill development and employability: Students learn to synthesize and analyze polymers, ceramics and glasses. They also learn to explain applications of composite material related to polymers, ceramics and glasses
MS17PH335	Material Science iii	2018-19	skill development and employability: This course provides the knowledge about the optical, dielectric and mechanical properties of materials. Effect of structure of materials on the properties is also discussed in detail. Students learn to analyze and characterize optical and dielectric properties of metals & non-metals through the spectroscopic techniques.
BTCE16F6410	Matrix Methods Of Analysis	2018-19	Skill development: Elucidate the concepts and principles of structural analysis. Develop element stiffness and flexibility matrices.
MTMD17F321	Mechatronics & Product Design	2018-19	Employability & Entrepreneurship: Identify and analyze the product design and development processes in manufacturing , and mechatronics industry. Define the components and their functions of product design and development processes and their relationships from concept to customer over whole product lifecycle. Analyze, evaluate and apply the methodologies for product design, development and management. Employability: Undertake a methodical approach to the management of product development to satisfy customer needs. Carry out cost and benefit analysis through various cost models.
17JM306	Media & Society	2018-19	Employability and skill development and employability: Students learn to prepare the content for web media in the work place. Students acquire to assess the evolution of Web technologies and Internet Journalism.
MAJM17F3600	Media & Society(Oe)	2018-19	skill development and employability and entrepreneurship. This subject deals with introduction to the field of media studies. It will also familiarize them with the significance and impact of media on society and will also further enable the students to critically analyze the role of media in shaping the society in present times.
BBBL15F8630	Media Law	2018-19	Employability, Entrepreneurship : The students learn the conceptual as well as statutory provisions pertaining to media and the evolution and existence of the legal regime to regulate its content and matters incidental to it. The students also learn to analyse freedom of press vis-a-vis right to privacy and human rights.
M18JM2020	Media Laws And Management	2018-19	Employability and skill development and employability: Students learn the various aspects of ownership patterns and managerial functions of mass media. They develop skill to analyze the business and management aspects of the media.
17JM301	Media Management And Entrepreneurship	2018-19	Employability and skill development and employability: Students learn the various aspects of ownership patterns and managerial functions of mass media. They develop skill to analyze the business and management aspects of the media.
17JE317	Media Studies(Oe)	2018-19	skill development and employability: Students learn to be successful and to aspire and prepare for work that is stimulating and rewarding.
M18VL2051	Mems	2018-19	skill development and employability: Understanding the microsystems, MEMS, various electro mechanical properties used for MEMS. Learning the concepts of lithography, etching.
MTP17VS412	Mems	2018-19	skill development and employability: Understanding the microsystems, MEMS, various electro mechanical properties used for MEMS. Learning the concepts of lithography, etching.
M18BC1030	Metabolism -I	2018-19	Employability : Correlate knowledge of Bio- molecules to central Biochemical processes ,to carry out research and projects and to get employability in teaching profession.
M18BC2040	Metabolism -II	2018-19	Employability : Correlate knowledge of Bio- molecules to central Biochemical processes ,to carry out research and projects and to get employability in teaching profession.
M18BC1090	Microbiology(Lab -Iv)	2018-19	skill development and employability: Ascertain fundamental of bacterial pathogen. knowledge of different media, compositions and techniques. Employability: Possible opportunity in diagnostic lab
17JE405	Minor Project	2018-19	Employability and skill development and employability: Students learn the practical aspects of production (Documentary & Film Production) and media research. They develop skill in research through dissertation.

BBHO16F5500	Minor Project	2018-19	skill development and employability & Employability: Students are allowed to take up minor project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted to the department.
MPAL16F5300	Minor Project - ii	2018-19	skill development and employability, Employability, Entrepreneurship: Students develop a project in team of 2 based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship .
M18MB2070	Minor Project(Summer Internship-I)	2018-19	skill development and employability & Employability: Students are allowed to take up minor project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted to the department.
MS17CS304	Minor Project/Internship	2018-19	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship .
17F4500	Minor Research Project	2018-19	skill development and employability: Students identify the overall process of designing a research study and be able to distinguish a purpose statement, a research question or hypothesis, and a research objective.
M18DC1061	Mobile Adhoc Networks	2018-19	skill development and employability, Employability: The course Introduces the characteristic features of Ad-hoc wireless networks and their applications, medium access, routing, transport and security protocols, quality of service, fault-tolerance, security and other dependability requirements while coping with resource constraints. Explores the energy management techniques in adhoc networks
MTCS17P3220	Mobile Application Development	2018-19	skill development and employability, Employability: For a student, the important of mobile application development is of great importance. Portability and ease of use make the usability of mobile applications extremely simple for audience with gradually less learning curve.
MS17CS312	Mobile N/W And Computing	2018-19	skill development and employability, Employability, Entrepreneurship: Students Explain the major concepts and techniques in the field of mobile computing, Describe the 2G and 3G communication systems, Describe Mobile IP and Mobile TCP, Explain the Security in mobile computing, Handoff in wireless mobile networks ,Describe basic concepts of Pervasive Computing.
M18BC2090	Molecular Biology (Laboratory - Vii)	2018-19	skill development and employability:The students can able to isolate various genetic materials from various sources like Chicken liver and also the students can identify the molecular weight also.
B18BJ2080	Mooc	2018-19	Employability and skill development and employability: Students learn the various practical exposures through online courses. Students acquire the skill to learn, evaluate and use latest digital platform for academic growth.
B18BC2080	Mooc/Swayam	2018-19	Employability,skill development and employability- MOOC (Massive Open Online Course) provides platform for distance education for students that is aimed at offering all the courses from school level (Class IX) to post-graduation level.
B18BH2070	Mooc/Swayam	2018-19	skill development and employability & Employability - This course familiarize the students with the fundamentals of choice based online learning.
B18CH2080	Mooc/Swayam	2018-19	Employability and skill development and employability: Helps students to acquaint themselves to the contemporary topics.
M18MC2060	Mooc/Swayam	2018-19	Employability,skill development and employability- MOOC (Massive Open Online Course) provides platform for distance education for students that is aimed at offering all the courses from school level (Class IX) to post-graduation level.
M18MT3050	Mooc/Swayam/Internship	2018-19	skill development and employability:Explains the basic concepts of heat transfer, types of convection, thermal instability of linear and non-linear problems, dimensional analysis. Flow problems are analysed using finite element method.
MTCS17F3400	Moocs / Internship	2018-19	skill development and employability, Employability: Students will under-go Internships and volunteer experiences make candidates more competitive in the job market. In addition to gaining exposure and experience in the field, they also provide an opportunity to see if the particular career field is the right one based on getting personal experience in the field.
MTDE17F3400	Moocs / Internship	2018-19	skill development and employability, Employability: Students will under-go Internships and volunteer experiences make candidates more competitive in the job market. In addition to gaining exposure and experience in the field, they also provide an opportunity to see if the particular career field is the right one based on getting personal experience in the field.
B18AL1070	Moot Court	2018-19	skill development and employability: Moot Court is simulated court session based on solving hypothetical facts/cases through oral arguments and written memorials that involves analysis of legislations, customary laws, legal dictionaries, precedents, both national and international. This course helps in analysing legal problems and research for solutions which will in turn improve their writing, research, speaking, critical thinking skills. This course also helps in imbibing professional and ethical responsibilities in a court room.
B18BL1070	Moot Court	2018-19	skill development and employability : Moot court is simulated court session based on solving hypothetical facts/cases through oral arguments and written memorials that involves analysis of legislations, customary laws, legal dictionaries, precedents, both national and international. This course helps in analysing legal problems and research for solutions which will in turn improve their writing, research, speaking, critical thinking skills. This course also helps in imbibing professional and ethical responsibilities in a court room.
BBBL15F7800	Moot Court	2018-19	Employability, Entrepreneurship & skill development and employability : The students get to familiarise themselves with the nature of the legal work and gets trained under NGO, trial and appellate advocates, judiciary, legal regulatory authorities, legislatures and parliament, other legal functionaries, law firms, companies, local self government and other such bodies where law is practiced either in action orin dispute resolution or in management.
B18AL2070	Moot Court	2018-19	Skill Development : moot court is simulated court session based on solving hypothetical facts/cases through oral arguments and written memorials that involves analysis of legislations, customary laws, legal dictionaries, precedents, both national and international. This course helps in analysing legal problems and research for solutions which will in turn improve their writing, research, speaking, critical thinking skills. This course also helps in imbibing professional and ethical responsibilities in a court room.
B18BL2070	Moot Court	2018-19	Skill Development : Moot court is simulated court session based on solving hypothetical facts/cases through oral arguments and written memorials that involves analysis of legislations, customary laws, legal dictionaries, precedents, both national and international. This course helps in analysing legal problems and research for solutions which will in turn improve their writing, research, speaking, critical thinking skills. This course also helps in imbibing professional and ethical responsibilities in a court room.

M18PS2061	Multilevel Inverter	2018-19	Employability and skill development and employability: Multilevel inverter is the preferred inverter in power system applications. Therefore the activities were planned to enhance the skills and to meet the job descriptions at the entry level. 1. Simulation of various topologies using MATLAB enhanced the skills of students. The case studies from my research work provided the review of technologies for students thus exposing them to the applications in the industry.
M18DC1064	Multimedia Communication	2018-19	Employability, skill development and employability: To provide an understanding of impact of multimedia techniques in the day to day life. To provide an understanding of various representations of graphics, image & video. To provide an understanding of the total processing, storing and communication of multimedia data. To provide a comprehensive understanding of multimedia communication over wireless networks.
B18CS1010	Multivariable Calculus And Linear Algebra	2018-19	skill development and employability: Students are familiarized with applications of scalar product and vector product of two or more vectors. Also to develop larger applications of industry strength using algebra and calculus theory.
MS17CS313	Multivariate Methods For Data Analysis	2018-19	skill development and employability, Employability, Entrepreneurship: Students learn Multivariate Techniques for analyzing large volumes of data and to take decisions based on inference drawn, Data characteristics and form of Distribution of the Data Structures, Understanding the usage of multivariate techniques for the problem under the consideration, Draw valid inferences and to plan for future investigations.
B18BB1080	Music	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BC1080	Music	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BE1080	Music	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BH1080	Music	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BJ2070	Music	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BS1070	Music	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18CA2070	Music	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18CH1080	Music	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18CS2X20	Music	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18BC2060	Music	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18CA1070	Music	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18MS1070	Music	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
MPA17F1600	Music - I(Theory And Practical)	2018-19	skill development and employability as this subject teaches the students the basic fundamentals of Carnatic music that is required to be learnt by any dance student.
M18PA2060	Music -2 (Theory)	2018-19	skill development and employability as this subject teaches the students the basic fundamentals of Carnatic music that is required to be learnt by any dance student.
MPAL16F5510	Mvc Architecture With Asp .Net	2018-19	skill development and employability, Employability: Students learn to design and deploy a website using MVC Architecture. This will enhance their employability skills.
MS17PH302	Nanoscience And Nanotechnology	2018-19	skill development and employability and Employability: Students learn to demonstrate and apply nano fabrication method and to prepare nano materials. Students also evaluate the processing conditions for functional nano materials.
MFA17F4400	Nattuvangam	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
B18BA2030	Natya Sastra And Performing Arts	2018-19	skill development and employability. This subject lets the student understand the importance of the text of Natya Sastra in the area of Performing Arts and also explains the different Chapters of Natya Sastra and their importance.
MFA17F4300	Navarasa (Theory)	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18DC1040	Network Security	2018-19	skill development and employability, Employability: Study the system security issues in wireless systems, including satellite, terrestrial microwave, military tactical communications, and public safety, cellular and wireless LAN networks. Security topics include confidentiality/privacy, integrity, availability, and control of fraudulent usage of networks. Issues addressed include jamming, interception and means to avoid them. Case studies and student projects are an important component of the course.
BBHO16F6200	New Venture And Venture Funding	2018-19	Employability, skill development and employability, Entrepreneurship: It deals in a holistic manner the various techniques required for developing and solving models of Business

BTCE16F6800	New/Old Tank Project	2018-19	Skill development: to create a new tank for minor irrigation project, to give a field exposure about generation of data through survey work. Improvement of capacity and performance of an existing old tank project.
M18DC2020	Next Generation Networks	2018-19	skill development and employability, Employability, Entrepreneurship: Tunderstand government regulations, standardization bodies, link budgets, the design of a wireless communication standard and principles of spread-spectrum communications. They will have understanding of IEEE 802.11 networks, Architecture of 802.11, the 802.11 MAC protocol, the different physical layers of 802.11, the Security and Qos protocols used in 802.11, and the throughput of 802.11.
BTEE15F7503	Non Conventional Energy Sources	2018-19	Skill Development,Employability & Enterpreneurship: The knowledge of non conventional energy sources helps in starting up of distributed power plants,to start career as power plant engineer.
BTCE16F5540	Non Destructive Testing	2018-19	Skill development: Gain the knowledge in the importance of NDT techniques. Impart knowledge in various NDT methods, partial destructive techniques and other methods.
BR17AR4083	North & South America	2018-19	Skill: Students enhance their skills of drawing and detailing contemporary buildings along with critical analysis of architectural styles
BR17AR3092	North India	2018-19	Skill: students enhance their skills in drawing and detailing historical buildings.
MS17PH303	Nuclear And Particle Physics	2018-19	skill development and employability:This course makes the students to learn general properties of nucleus,nuclear forces,nuclear reactions.This also introduces to the concept of elementary particles.
M18MT4022	Number Theory	2018-19	Employability and skill development and employability: Students learn to solve the non-linear equations in one variable using different numerical techniques and Analyze the different types of interpolation methods, the different types of errors and stability methods. Students learn to solve partial differential equations using various numerical methods .
M18MD1010	Numerical Methods	2018-19	Employability & Enterpreneurship: This is course is intended to skill the students on determining and solve first order ordinary differential equation. Elaborate the evaluation policy of some special functions like beta and gamma functions and their relation which is helpful to evaluate some definite integral arising in various branch of engineering.
B18BL1040	Ob And Behavioral Psychology	2018-19	Employability, Entrepreneurship : The course aims at providing information on current stress management techniques and evaluate personal relevance and focuses on practicing specific techniques, track effectiveness, and revise to meet personal preferences.
MPAL16F5100	Object Oriented Modelling And Design	2018-19	skill development and employability, Employability: Students learn to implement the basic concepts to identify state & behavior of real world objects, implement various object oriented methodologies, apply the concept of analysis and design to develop a document for a given project and to implement analysis and design phases in developing a software project. This will enhance their employability skills.
MS17CS322	Object Oriented Software Engineering	2018-19	skill development and employability, Employability, Entrepreneurship: Students learn software engineering theory, principles, tools and processes, as well as the theory and principles of computer science and mathematics, to the development and maintenance of complex, scalable software systems, design and experiment with software prototypes, select and use software metrics, communicate effectively through oral and written reports, and software documentation
BTCE16F6530	Occupational Hazard And Industry Safety	2018-19	Skill development and employability: To introduce to the various natural and man-made disasters occur, to describe core parameters of safety and various safety standards.
B18CH2050	Office Management And Secretarial Practice	2018-19	Entrepreneurship, Employability and skill development and employability: This course is to familiarize the students with the activities in a modern office. Smooth functioning of any organization depends upon the way various activities are organized, facilities provided to the staff working in the office, the working environment and the tools and the equipment used in office.
M18MS1020	Oop With Java	2018-19	Entrepreneurship skill development and employability, Employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of the internet standards and recent web technologies like Conferencing, newsgroup etc. Students learn to implement, compile, test and run Java program,make use of hierarchy of Java classes to provide a solution to a given set of requirements found in the Java API, understand the components and patterns that constitute a suitable architecture for a web application using java servlets. This will enhance their employability skills.
MTCS17P4130	Open Source Cloud Computing Tools	2018-19	skill development and employability, Employability: Students are trained on Open-source cloud is any cloud service or solution that is built using open-source software and technologies. This includes any public, private or hybrid cloud model providing SaaS, IaaS, PaaS or XaaS built and operated entirely on open-source technologies.
BTEE15F7404	Operating System	2018-19	Skill development and employability and Employability: The skills are helpful to work as system engineer.
B18BS2010	Operating Systems	2018-19	skill development and employability, Employability: Students learn the operation, implementation and performance of modern operating systems, and the relative merits and suitability of each for complex user applications. Students will be able to compare, contrast, and evaluate the key trade-offs between multiple approaches to operating system design, and identify appropriate design choices when solving real-world problems. The students get familiar with the practical aspects that pertain to the popular operating systems such as Unix/Linux and Windows.
BTEE15F8201	Operation And Control Of Power Systems	2018-19	Employability:This course deals with modern power system operational and control problems and solution techniques, contingency analysis, load-frequency control and automatic generation control. These concepts are helpful to swork as Power plant engineer
M18MT4021	Operations Research	2018-19	skill development and employability: This course formulate sequencing problem for service and manufacturing systems,and apply operations research techniques and algorithms to solve these Sequencing problems.formulate Integer Programming models for service and manufacturing systems, and apply operations research techniques and algorithms to solve these IP problems.formulate Queuing models for service and manufacturing systems, and apply operations research techniques and algorithms to solve these Queuing problems.communicate the results of an operations research project through a written report and an oral presentation.
M18MB2020	Operations Research And Quantitative Analysis	2018-19	Employability & skill development and employability: Students gain the knowledge of to provide better quantitative information's for making decision.
M18MC1030	Operations Research And Quantitative Techniques	2018-19	skill development and employability, Employability - Students shall employ the various measures of central tendency, measures of skewness and dispersion and learn about Operations research and Linear programming.
M18DC1062	Optical Communication And Networking	2018-19	skill development and employability, Employability: This course gives the skills on conceptualize and analyze mathematically propagation of optical signals over optical Fibers, degradation of signals during propagation of optical signals over optical fiber and analyze various techniques for coherent transmission and system performance factors in optical Communication system

M18MD2073	Optimization In Engineering Design	2018-19	Employability & Entrepreneurship: The course is designed to machine tool optimization design & layout of machine tools, fundamentals of machine tool structures and their requirements, design criteria of machine tool structure & dynamic characteristics of cutting process
M18MT1050	Ordinary And Partial Differential	2018-19	Employability/skill development and employability: 1. This course will provide teaching opportunities in academic institutions and R&D. 2. ODEs or PDEs helps in analyzing the model. Typically, topics relating to dynamics models, stability and more.
M18BC1010	Organic,Biophysical,Biochemical And Environmental Toxicology	2018-19	Skill development and employability and employability: 1. Develop knowledge on drawing structures of the molecules, Mechanism of biochemical reactions, 3D structures using Chem Draw software. 2. Apply knowledge on the understanding of molecules , structure and properties by various reaction mechanism. 3. Acquire knowledge on the mechanism of toxicity of molecules and required by pharma, clinical research companies
B18BB2050	Organizational Behavior	2018-19	Employability: Students are familiarized about the business organization and Management.Basic concepts of management and dimensions of organisational behaviour including individual behaviour, personality, perception, attitudes and values, leadership, learning and motivation. They also learn about group process, group tasks, team-building, conflict management with case studies.
MTCS17P4310	Parallel Computing And Programming	2018-19	skill development and employability: Students will be focused on parallel programming which is to execute code efficiently, since parallel programming saves time, allowing the execution of applications in a shorter wall-clock time.
M18TE2051	Pavement Evaluation And Management System	2018-19	Entrepreneurship, Employability and skill development and employability: Outline the various pavement failures, causes and remedial measures. Explain various methods of finding functional and structural condition of pavements
BTCE16F6330	Pavement Materials And Analysis	2018-19	Skill development and employability: Explain the origin, properties, constituents of different bituminous materials and specifications provide the overview about bitumen, tar, emulsion and cutbacks and proportioning of materials.
B18BA1040	Performing Arts And Art History Of India	2018-19	skill development and employability. This subject will teach the students on the broad area of Performing Arts.
BCHO16F6400	Personal Financial Planning	2018-19	Entrepreneurship and skill development and employability: This helps the students to deal with the concepts of investment planning, tax planning, preparation of personal Budget
MS17BC3041	Pharmacovigilance&Sas	2018-19	skill development and employability: Students will be able to statistically analyse clinical trials data
MS18CH1070	Physical Chemistry Lab - I	2018-19	skill development and employability and employability : Acquire the knowledge of physical chemistry techniques such as surface phenomenon of solid and liquid interfaces and homo and heterogeneous catalysis.
B18CS2020	Physics	2018-19	skill development and employability: Students are familiarized to classify optical fibres and derive expression for number of modes and attenuation. To demonstrate capacitive and resistive display technologies. Also to analyze synthesis of nanomaterials and application of quantum computation.
B18CE2080	Physics And Applied Mechanics Lab	2018-19	skill development and employability: To establish a broad concept of various types of electrical apparatus and instrumentation. To provide hands on experience with electrical apparatus
B18CS2080	Physics Lab	2018-19	skill development and employability: Students are familiarized to classify optical fibres and derive expression for number of modes and attenuation. To demonstrate capacitive and resistive display technologies. Also to analyze synthesis of nanomaterials and application of quantum computation.
M18TE2062	Planning And Management Of Highway Projects	2018-19	Skill development and employability:Explain the importance of Rural roads in India. Identify and interpret the use of locally available and marginal materials in Rural road construction
B18AL1020	Political Theory	2018-19	Employability, Entrepreneurship : Students learn the process of management's four functions: planning, organizing, leading, and controlling and also understand to identify and evaluate social responsibility and ethical issues involved in business situations and logically articulate own position on such issues.
M18CH3341	Polymer Science And Technology	2018-19	skill development and employability and employability: Acquire the knowledge about the basic concepts of polymers, structural property and applications of polymers.
M18PS2051	Power Quality And Harmonics Mitigation	2018-19	Employability :it deals with the quality of power and improving methods of the same in transmission and distribution.Students can get into many PSUs like CPRI,BHEL,BEL,etc.,
BTEE15F7401	Power System Protection	2018-19	Employability: By studying this subject students can have employment opportunities in several Public sector and Private sector power generation, Transmission and Distribution companies and many manufacturing and process industries in the fields of planning, design, testing operation, maintenance and control.
M18PS1030	Power System Protection	2018-19	Employability: The concepts of Modern protection schemes , relays and circuit breakers are helpful for placements in several Public sector and Private sector power generation, Transmission and Distribution companies and many manufacturing and process industries in the fields of planning, design, testing operation, maintenance and control.
BTEE15F7800	Power System Simulation Laboratory	2018-19	Employability and skill development : The course provides the basic knowledge of popurly used softwares like MATLAB and MI-POWER. The experimaents strengthen their coding and analytical skills. As many core indutries adopt these softwares for electrical syystem designing, the course provides better opportunities for studies in such fields.
17JM303	Pr & Corporate Communication	2018-19	Employability and skill development and employability: Students learn the steps of organizing public relations campaign and understand corporate social reponsibility of various organisations. They develop to analyze the marketing strategy of companies and implementing new methodologies for the marketization.
MFA17F4200	Practical 1 (Ashtanayikas) (Theory)	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18PA2032	Practical 1(Bharatanatyam) Item (Varnam,Padam,Tana,Tillana)	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.

M18PA2031	Practical 1(Kuchipudi) Item (Tarangam,Keerthana/Kriti,Tillana)	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18PA2042	Practical 2(Bharatanatyam) (Javali,Padam)	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18PA2050	Practical 3 Slokas (Abhinaya Darpanam)	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
M18PA2041	Practical 4 (Kuchipudi) (Ashtapadi,Javali,Padam)	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
MBA18P320	Predictive Analytics	2018-19	IBM Global Certification with IBM SPSS Modeler and Data Mining. This is skill development global certification from IBM. The candidates can get employed at companies which use IBM SPSS Modeler and also others.
MBA18P240	Prescriptive Analytics	2018-19	Text Analytics and Natural Language Processing are two most sought after skills in Analytics. The learners will be able to handle NLP based projects independently. This hands-on all practical programs helps the learners to build skills and employability.
BTCE16F6200	Prestressed Concrete And Prefabricated Structures	2018-19	Entrepreneurship, Employability and skill development and employability: To familiarize with the concept of prestressing application of prestressing techniques to different structural applications.
B18BL2040	Principle & Practice Of Accounting	2018-19	Employability, Entrepreneurship & skill development and employability: The course provides a strong foundation of accounting concepts, tools and techniques influencing business organization and also helps in acquiring knowledge in transaction analysis, balancing of accounts, trading, profit and loss account and balance sheet.
17JM305	Principles And Practices Of Advertising	2018-19	Employability and skill development and employability: Students learn the various levels of the production aspects of advertisement and use them in their work place. They develop to analyze the skill of ethical aspects of advertisement field.
B18BE2040	Principles Of Marketing	2018-19	Employability, skill development and employability,Entrepreneurship: The course provides students an insight into various marketing concepts for solving marketing problems in the changing business environment.
B18BH2040	Principles Of Marketing	2018-19	Employability, skill development and employability: The course provides students an insight into various marketing tools / models for solving marketing problems in the changing business environment and students also learn the skills of personal selling & customer management.
BTCE16F5340	Principles Of Planning And Construction Management	2018-19	skill development and employability: To study the concepts of construction resource planning, scheduling and to apply appropriate tools and techniques like allocation of resources as prerequisite to know the methods of project estimation and obtain the knowledge of planning and preparing budgets for the construction projects.
B18BL1020	Principles Of Management	2018-19	Employability, Entrepreneurship : Students learn the process of management's four functions: planning, organizing, leading, and controlling and also understand to identify and evaluate social responsibility and ethical issues involved in business situations and logically articulate own position on such issues.
M18JM1010	Principles Of Mass Communication	2018-19	Employability and skill development and employability: Students learn the various aspects of mass communication and principles and use them in their work place. They develop to analyze the process of mass communication and principles aspects of communication
M18DC1030	Probability And Random Processes	2018-19	Employability,skill development and employability: The students are gaining the skills, knowledge and attitudes required to perform fundamental mathematical procedures and processes for the solution of engineering problems, particularly the use of calculus, vector analysis and infinite series. The subject aims to show the relevance of mathematics to engineering and applied sciences.
B18BS2040	Probability And Statistics	2018-19	Employability and skill development and employability: Students learn the concepts of probability and random variables, apply statistical theory to analytics field.
B18CA2030	Probability And Statistics	2018-19	skill development and employability: Students learn various statistical methods, cultivate statistical thinking, and prepare for future courses having quantitative components.
B18CS2010	Probability And Statistics	2018-19	skill development and employability: Students are acquired knowledge to apply the concepts of probability and statistics. To develop stochastic problem as Markov model as a problem solving methods for systematic model buildings.
BSCB16F5300	Programming With Ruby & Python	2018-19	Entrepreneurship skill development and employability, Employability: Students learn to write programs using ruby and python. Develop simple web application using python and Ruby and connect to database to store student information. This will enhance their employability skills.
B18CS1030	Programming For Problem Solving	2018-19	skill development and employability, Entrepreneurship: Students are trained to develop the programs in C to solve the problems using structures, unions, pointers, file operations. Also to demonstrate the programming for a given problem using command line arguments.
BTEE17F5605	Programming In Java	2018-19	Employability:JAVA programming language is the most popular widely used programming language due to its significant benefits. Hence most of the industries prefers JAVA programming.

M18CA1030	Programming Using C	2018-19	Employability and skill development and employability: Students learn analytical and programming skills essential to workplace success and occupational situations and also develop skills essential to logical thinking.
BSCB16F5800	Programming With Ruby & Python Lab	2018-19	Entrepreneurship skill development and employability, Employability: Students learn to write programs using ruby and python. Develop simple web application using python and Ruby and connect to database to store student information. This will enhance their employability skills.
BTME16F8230	Project Management	2018-19	Employability: Identify specific management needs in the execution of projects at tactical and strategic level. Estimate the project proposals for scope, time and cost to consider its feasibility. Synthesis the strategies to evolve suitable approach to accomplish the project with effective usage of the resources. Employability: Team building and leadership skills in planning and implementation of the project. Apply effective management technique in the project execution to fulfill the desired objectives.
BTEE15F8100	Project Phase Ii	2018-19	Employability, Entrepreneurship and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
BTEE15F7300	Project Phase-1	2018-19	Employability, Entrepreneurship and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
MTCS17F3300	Project Phase-1	2018-19	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.
MTCS17P5300	Project Phase-1	2018-19	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.
MTDE17F3300	Project Phase-1	2018-19	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.
MTCS17F4100	Project Phase-2 And Dissertation	2018-19	skill development and employability: Students are trained to develop projects and to write dissertation report using LATEX.
MT17V5401	Project Work	2018-19	Employability/ Entrepreneurship/ skill development and employability: Project helps the students to nurture their ideas in the form of real life implementable projects.
MPAL16F6100	Project Work (Real Time)	2018-19	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.
MS18BC403	Project Work Dissertation	2018-19	Skill development and employability : Acquire the knowledge of literature survey, research methodology, interpretation of data, report writing and hands on experience of Extraction or synthesis and characterization of different medicinal compounds using different characterization techniques and studying the biological activity of biomolecules.
MS17BC306	Project Work-Dissertation	2018-19	Skill development and employability : Acquire the knowledge of literature survey, research methodology, interpretation of data, report writing and hands on experience of Extraction or synthesis and characterization of different medicinal compounds using different characterization techniques and studying the biological activity of biomolecules.
M18MT4060	Project/Internship	2018-19	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.
MTCS17P6100	Project-Work Phase-2 And Dissertation	2018-19	skill development and employability: Students are trained to develop projects and to write dissertation report using LATEX.
MTDE17F4100	Project-Work Phase-2 And Dissertation	2018-19	skill development and employability: Students are trained to develop projects and to write dissertation report using LATEX.
BBBL15F7200	Property Law	2018-19	Employability, Entrepreneurship : The course provides the students an insight into the concepts and incidents of diverse transfers of immovable property. The course also helps the students to understand the underlying legal principles in respect of different kinds of mortgages and charge of properties along with rights and liabilities accruing to transferor and transferee in case of sale, gift and exchange.
M18BC2070	Protein Chemistry (Laboratory - V)	2018-19	skill development and employability: • Apply the knowledge about standard laboratory equipment, modern instrumentation & classical techniques to carry out experiments • To explain the importance of protein-protein interactions in biological systems.
17JE404	Psychology - Iv (Developmental Psychology - Ii)	2018-19	Employability and skill development and employability: Students learn the various aspects of developmental Psychology from birth till death, usage of of the developmental psychological concepts in their daily lives. The concepts they learn are basic psychological concepts which they can also apply at work place. They also can understand themselves in each stage of development.
B18BJ1060	Psychology -I (Foundation Of Psychology)	2018-19	Employability and skill development and employability: Students learn the various aspects of developmental Psychology from birth till death, usage of of the developmental psychological concepts in their daily lives. The concepts they learn are basic psychological concepts which they can also apply at work place. They also can understand themselves in each stage of development.
17JE306	Psychology-iii (Developmental Psychology-I)	2018-19	Employability and skill development and employability: Students learn the various aspects of developmental Psychology from birth till death, usage of of the developmental psychological concepts in their daily lives. The concepts they learn are basic psychological concepts which they can also apply at work place. They also can understand themselves in each stage of development.
BSCB16F5100	Public Cloud Platforms	2018-19	Entrepreneurship skill development and employability, Employability: Students learn to deploy a customer's complete web infrastructure with end to end to design with auto scaling mode ,load balancer and public dns on Amazon cloud and azure cloud, to provision cloud storage ,Cloud database services, deploying web application and connecting to database service securely, to control access and roles to the cloud for a customer account, to configure virtual private cloud in Amazon cloud, to provision and manage customer web infrastructure and manage on AWS and azure cloud. This will enhance their employability skills.
BA.LB165500	Public International Law	2018-19	Employability : The course provides a strong foundation in questions of law making, sovereignty, jurisdiction, responsibility, enforcement, the settlement of disputes, and specific topics such as the use of force, Sovereign immunity and comprehensive details about law of the sea.
B18EC2040	Python Programming (I)	2018-19	Employability,skill development and employability:This course is an introduction to the Python programming language for students without prior programming experience. We cover data types, control flow, object-oriented programming, and graphical user interface-driven applications.
M18MS2080	Python Lab	2018-19	skill development and employability, Employability, Entrepreneurship: Students learn programming ML models using python Programming.
M18MT2061	Python Programming	2018-19	Employability,skill development and employability:This course is an introduction to the Python programming language for students without prior programming experience. control flow, object-oriented programming, and graphical user interface-driven applications.
MS17PH301	Quantum Mechanics Ii	2018-19	skill development and employability: Students get familiarised with advanced quantum mechanical concept to study the behavior of sub atomic particles

M18MT1060	R- Programming With Statistical	2018-19	skill development and employability: By learning this course, students can get internships in Data Science at different Labs and in Cyber security at the Army Research Labs.
BTCE16F6700	Rcc Design And Drawing - Manual	2018-19	Entrepreneurship and skill development and employability: To learn about the general layout of buildings and detailing of staircase and column footings to design and detail cantilever type retaining walls, circular and rectangular water tanks resting on ground.
M18CA2080	Rdbms Lab	2018-19	skill development and employability, Employability: The course provides insight into data management skills which plays a vital role in employability. Students are familiarized with SQL, which enhances their querying abilities.
M18MT1020	Real Analysis	2018-19	skill development and employability: This course will gain an understanding of the Metric space, compact set and connected set. study the limit and continuous function. analyse the Riemann - Stieltjes integrals, analyse the sequence and series of functions, This course will provide teaching opportunities in academic institutions and R&D.
M18VL2020	Real Time Operating Systems	2018-19	Employability, skill development and employability: Understanding the fundamental concepts of real time systems. Developing the firmware for real time services and concept of real time operating systems.
MTP17VS301	Real Time Operating Systems	2018-19	Employability, skill development and employability: Understanding the fundamental concepts of real time systems. Developing the firmware for real time services and concept of real time operating systems.
M18CA2030	Relational Database Management Systems	2018-19	skill development and employability, Employability: The course provides insight into data management skills which plays a vital role in employability. Students are familiarized with SQL, which enhances their querying abilities.
BTEE15F7700	Relay And High Voltage Laboratory	2018-19	Skill development and Employability: The knowledge of various relays and high voltage testing equipments is required to start career as a protection engineer or high voltage engineer
M18PS2053	Reliability Engineering	2018-19	skill development and employability: This course provides an introduction to reliability engineering with emphasis on practical applications and the mathematical concepts.
BBHO16F5M11	Retail Management	2018-19	Employability, Entrepreneurship: To familiarize students with the decisions involved in running a retail firm and the concepts and principles for making those decisions. While the course focuses on the retail industry including retailers of consumer services, the content of the course is useful for students interested in working for companies that interface with retailers such as manufacturers of consumer products or for students with a general management or entrepreneurial interest
MTCS17P3320	Robotics	2018-19	Entrepreneurship, Employability: Students are familiarized on Robotics technology that influences every aspect of work and home. Robotics has the potential to positively transform lives and work practices, raise efficiency and safety levels and provide enhanced levels of service.
M18MD2072	Robotics And Its Application	2018-19	Employability & Entrepreneurship: Understand the position and orientation of the object in space in a 3 dimensional space, joint variables and the position and orientation of the robot end effectors. Plan the trajectories for the robot end effectors to perform specific task, image acquisition & image components. Apply the knowledge to design actual robots to perform basic operations such as pick & place line follower robots etc.
M18PA2070	Sanskrit	2018-19	skill development and employability. This subject will develop their basic communication skills in Sanskrit
M18MT2062	Sas And Spss	2018-19	skill development and employability, Employability: Student will be able to explain the basic constructs in Python, Apply control structures in Python and Develop programs with lists, tuples lists, strings, sets and dictionaries. Apply elementary techniques in Python programming, decision and repetition structures in program design and 6. Build programs with simple algorithms.
BCHO16F6F14	Security Analysis And Portfolio Management	2018-19	Employability and skill development and employability: This helps the student in Understanding the basic tools required to perform valuations of stocks, assessing risk by using fundamental and technical analysis, can assist one to manage a firm's financials more efficiently.
B18BB2080	Self Study Component - Online Course	2018-19	skill development and employability, Employability: Introduce students to the world of new skills required at the work place and upto date their knowledge.
B18BE2070	Self Study Component (Online Course)	2018-19	Employability, skill development and employability, Entrepreneurship: The students will involve them self in self-learning of interested course.
MT17VS301	Seminar Certification Program	2018-19	Employability, skill development and employability: Students will be carrying out the literature review of advancement in VLSI domain. Carrying out the certification courses in emerging technologies.
M18MS2061	Service Oriented Architecture	2018-19	skill development and employability, Employability, Entrepreneurship: Students learn to make different decision making components in business intelligence system, Examine modeling and decision support system., Demonstrate business intelligence life cycle and the techniques used in it, Evaluate data analysis tools and techniques.
BTEE15F5300	Signals And Systems	2018-19	Employability: Research and development in new active noise control systems for military and commercial applications. vibration isolation and cabin noise quieting products for the aircraft industry. Developing noise cancellation software for use in Army battlefield robotics
17F4400	Skill Development And Employability	2018-19	Employability and skill development and employability: Students learn the various aspects of the process of the recruitment in various companies. They develop the organizational skills through proper training.
M18MC2080	Skill Development And Employability	2018-19	Employability, skill development and employability - Students shall undergo skill development and employability course being organised by the school or Training and Placement cell of the University.
MPA17F3800	Skill Development And Employability	2018-19	skill development and employability. The courses that would be involved in this would enhance the skills that are required in their field of study for a better quality delivery of their product.
B18BA2090	Skill Development And Employability - 1(Multi Media And Designing	2018-19	skill development and employability. The students will learn the course of graphic designing as a part of this curriculum.
B18CS2X10	Skill Development And Employability -2	2018-19	skill development and employability: Students are trained and received the certifications on latest technologies that will help them in building their career.
B18BB1070	Skill Development And Employability Course	2018-19	skill development and employability: Students gain an in-depth knowledge of the working of international financial markets, mechanism of Forex market, Forex market intermediaries, measurement of foreign exchange risk and managing risk through internal and external techniques. They develop the skills of forecasting foreign exchange rate and valuation of futures, options and swaps.
B18BB2070	Skill Development And Employability Course	2018-19	Employability, skill development and employability, Entrepreneurship: The students will involve them self in self-learning of interested course.
B18BC1070	Skill Development And Employability Course	2018-19	skill development and employability: The students will have to undergo skill development and employability course which will be conducted by Training and Placement about the Group discussion, Aptitude test etc.
B18BC2070	Skill Development And Employability Course	2018-19	Employability and skill development and employability: The students will have to undergo skill development and employability course which will be conducted by Training and Placement about the Group discussion, Aptitude test etc.
B18BE1070	Skill Development And Employability Course	2018-19	skill development and employability, Employability: Introduce students to the world of new skills required at the work place and upto date their knowledge.

B18BE2080	Skill Development And Employability Course	2018-19	skill development and employability, Employability: Introduce students to the world of new skills required at the work place and upto date their knowledge.	
B18BH1070	Skill Development And Employability Course	2018-19	Employability & Entrepreneurship - In this course, students learn and apply proven methods to help organizations achieve goals and build capabilities to meet future challenges. Emphasis will be placed on understanding how change impacts individuals, teams and organizations. This course will attempt to mirror the type of interactive communication and analytical processes that typically occur as organizations struggle to attain the objectives of their stakeholders in an intensely competitive environment.	
B18BH2080	Skill Development And Employability Course	2018-19	Employability: The course facilitates the students to acquire the basic knowledge of latest skills in Industry	
B18CH1070	Skill Development And Employability Course	2018-19	Employability and skill development and employability: To have hands on experience with respect placements and personality development	
B18CH2070	Skill Development And Employability Course	2018-19	Employability and skill development and employability: To have hands on experience with respect placements and personality development	
M18MC1070	Skill Development And Employability Course	2018-19	Employability, skill development and employability - Students will undergo skill development and employability course being conducted by the Training and Placement Centre of the University.	
M18MB1070	Skill Development And Employability(Rulo)	2018-19	Employability and skill development and employability: To have hands on experience with respect placements and personality development	
B18CS1090	Skill Development And Employability-1	2018-19	skill development and employability, Employability and Entrepreneurship: Students develop skills in aptitude, GD, PI. This will enhance their employability skills.	
MPA17F3600	Slokas(Natya Sastra And Abhinaya Darpanam)	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.	
MPA17F1500	Slokas(Natya Sastram)- Practcal -3	2018-19	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.	
M18MS2052	Social Network Analysis	2018-19	skill development and employability, Employability, Entrepreneurship: Students learn to analyze the structure and evolution of networks, gain knowledge from disciplines as diverse as sociology, mathematics, computer science, Understand the Online interactive demonstrations and hands-on analysis of real-world data sets.	
MTDE17F3110	Soft Computing	2018-19	Employability: Students are familiarized with Soft computing that is an important branch of computational intelligence, where fuzzy logic, probability theory, neural networks, and genetic algorithms are synergistically used to mimic the reasoning and decision making of a human.	
M18MS2070	Soft Skill	2018-19	skill development and employability, Employability, Entrepreneurship: The students will have to undergo skill development and employability course being conducted by Training and Placement cell of the University.	
M18MB2050	Soft Skill Training	2018-19	Employability, Entrepreneurship & skill development and employability: Students gain the knowledge of soft skills and benefits of resume writing for better connectivity in placement & within organization	
M18MC2050	Soft Skill Training	2018-19	Employability, skill development and employability - Students will undergo skill development and employability course being conducted by Training and Placement cell of the University.	
M18MT3060	Soft Skill Training	2018-19	Employability and skill development and employability: The students will have to undergo skill development and employability course which will be conducted by Training and Placement about the Group discussion, Aptitude test etc.	
BSCB16F6400	Software Engineering	2018-19	skill development and employability, Employability: Students learn to analyze, design, verify, validate, implement, apply, and maintain software systems.They laearn SDLC which enhances their employability skills.	
BTCE16F5200	Soil Mechanics And Foundation Engineering	2018-19	Employability and skill development: To create an ability to apply knowledge of geotechnical engineering; To conduct experiments, as well as to analyze and interpret data related to the geotechnical engineering; To accentuate the understanding of the basic principles; To identify the type and characteristics of soil	
M18PS2010	Solar Energy System	2018-19	skill development and employability and Employability:Employment opportunities in Solar Manufacturing Industry, Government sectors like KPCL. Preferable Companies : ABB, Sterling and Wilson, Emvee Solar, Adani Solar to name a few.	
BTCE15F7440	Solid And Hazardous Waste Management	2018-19	skill development:To develop insight into the collection, transfer, and transport of municipal solid waste.	
BR17AR3093	South East Asia	2018-19	elective not offered	
BR17AR3091	South India	2018-19	Skill: students enhance their skills in drawing and detailing historical buildings.	
B18BB1080	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18BC1080	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18BE1080	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18BH1080	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18BJ2070	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18BS1070	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18CA2070	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18CH1080	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	

B18CS2X20	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure.
M18BC2060	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18BT2090	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18CA1070	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18CH2060	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18MS1070	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
MPA17F1700	Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18MT2070	Sports/Yoga/Music/Dance/Theatre	2018-19	skill development and employability,employability : Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
BTCE16F6600	Staad Pro And Etabs Lab	2018-19	Entrepreneurship and skill development and employability: To impart STAAD PRO and ETABS software knowledge to make them aware different tools in these two software.
B18AL2020	State And Political Obligation	2018-19	Employability: The course facilitates the students to understand the features of different organs of the state, the features, merits and demerits of unitary and federal form of government.
BBHO16F6H14	Stategic Human Resource Management	2018-19	Employability: Students learn the concepts, process and methods of performance appraisal and compensation management. They understand the process of payroll fixing and administration, approaches of compensation management and the challenges faced in effective performance appraisal and compensation management. and the context of compensation practices followed in the Organization. The students develop employability skills in performance and compensation management.
MTCS17P3130	Statistical Data Modelingand Analysis	2018-19	skill development and employability: Students are focused on statistical model is a combination of inferences based on collected data and population understanding used to predict information in an idealized form.
M18MT1030	Statistical Methods - I	2018-19	skill development and employability: Analyse the data numerically and graphically,the measures of location and measure of dispersion for grouped and ungrouped datas,the classical optimization techniques and numerical methods of optimization,the concepts of probability models to the real-world problems. This course will provide work with data scientists and data analytics.
M18MT2040	Statistical Methods-ii	2018-19	Employability and skill development and employability: This course will provide work with data scientists and data analytics. Using existing and newly-developed principles, mathematicians can develop statistical models to analyze data. They can then use this analysis to support business decisions, and possibly develop strategies to improve the performance of a company or organization.
M18DC1053	Statistical Signal Processing	2018-19	Skill development and employability, Employability: Students will Identify the engineering problems that can be put into the frame of statistical signal processing. Solve the identified problems using the standard techniques learned through this course. It will make contributions to the theory and the practice of statistical signal processing
B18CH1050	Statistics For Business -I	2018-19	Employability and skill development and employability: Students will be provided with the knowledge of statistical methods and their commercial application for effective decision making in business
B18CH2030	Statistics For Business-ii	2018-19	Employability and skill development and employability: Students will be provided with the knowledge of statistical methods and their commercial application for effective decision making in business.They will learn to analyse and interpret the correlation between two variables and to understand the concept of regression in estimation of value of one variable from known set of data.
B18BB2030	Statistics For Management	2018-19	Employability : The course facilitates the students to acquire the basic knowledge of quantitative measure and their commercial application for decision making in business and analytical thinking.
BTCE16F6100	Steel Structures	2018-19	Skill development and employability: To develop the fundamental ability to evaluate and design steel tension members, compression members, beams, columns basesand built up sections, to evaluate the existing components and to develop economical steel member designs.
MS17CS323	Stochastic Decision Science	2018-19	skill development and employability, Employability, Entrepreneurship: Students learn to read, write, and understand sentences in the language of probability theory, as well as solve probabilistic problems in signal processing and Communication Engineering, introduce students to the basic methodology of "probabilistic thinking" and to apply it to problems; Understand basic concepts of probability theory and random variables, how to deal with multiple random variables, Conditional probability and conditional expectation, joint distribution and independence, mean square estimation, analysis of random process and application to the signal processing in the communication system.
BCOM16F6200	Stock And Commodity Markets	2018-19	Employability, Entrepreneurship and skill development and employability: Students will be acquainted with the basic concepts of the stock market and the process of registration and they can also trade in the stock markets.
M18MC2020	Strategic Financial Management	2018-19	Employability, skill development and employability - Students will learn the concepts of Financial management from strategic perspective and familiarize various Techniques and Models of Strategic Financial Management.
M18SE1070	Structural Engineering Lab(CI)	2018-19	Entrepreneurship, Employability and skill development: To gain experience regarding the determination of properties of different building materials. To provide an opportunity to learn how to measure the parameters, which governs the quality of the materials
M18SE2070	Structural Engineering Laboratory-II(Software Lab)	2018-19	skill development and employability: To impart STAAD PRO and ETABS software knowledge. To make them aware different tools in these two software
M18SE2040	Structural Health Monitoring	2018-19	Entrepreneurship, Employability and skill development and employability: To learn the causes for deterioration of concrete and Non Destructive Tests. To learn about effect of corrosion and prevention of concrete
B18AR1020	Structural Systems And Building Construction - I	2018-19	Skill: students learn drafting, techniques of graphic representations and are trained to Enumerate the basic building elements, materials
B18AR2020	Structural Systems And Building Construction-ii	2018-19	Skill: Students acquire the knowledge of the use of wood / timber in construction with an application of the structural systems and are able to Describe types of Loads & Supports systems

B18BB2090	Summer Internship	2018-19	skill development and employability & Employability: Students are allowed to take up minor project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted to the department.
B18BE2090	Summer Internship -1 (Minor Project)	2018-19	skill development and employability & Employability: Students are allowed to take up minor project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted to the department.
B18BH2090	Summer Internship -1 (Minor Project)	2018-19	skill development and employability & Employability: Students are allowed to take up minor project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted to the department.
B18BC2090	Summer Internship-1(Minor Project)	2018-19	Employability and skill development and employability: It enables the students to have outworld exposure and a real time experience of finding the gap between their study and its implementation.
B18CH2090	Summer Internship-1(Minor Project)	2018-19	Employability and skill development and employability: Field work to students
M18MC2070	Summer Internship-I	2018-19	Employability - Students shall carry out research under the guidance of supervisor and in the process learn the techniques of research.
MBA18P310	Supply Chain Analytics	2018-19	This module is domain specific and hence designed to improve the probability of getting selected to work in Supply Chain. Business understanding into what needs to be done, what needs to be captured, what analysis to be done and what insight needs to be derived from the outcomes. Covering all three areas of Descriptive, Predictive and Prescriptive Analytics. Case studies and Real time data sets are used.
M18MD1030	Synthesis And Analysis Of Mechanisms	2018-19	Employability & Entrepreneurship: The course is designed to equip students in synthesizing mechanisms using various methods
MT17VS333	Synthesis And Optimization Of Digital Circuits	2018-19	Employability, skill development and employability: Understanding the various concepts related to the digital system design. Performing the analysis and optimization process for various digital blocks.
MTP17VS431	Synthesis And Optimization Of Digital Circuits (I)	2018-19	Employability, skill development and employability: Understanding the various concepts related to the digital system design. Performing the analysis and optimization process for various digital blocks.
BBHO16F5400	Talent Management And Engagement	2018-19	skill development and employability and Entrepreneurship
BBBL15F7500	Taxation Law	2018-19	Employability, Entrepreneurship : The course gives an overview of income tax and wealth tax and the ways and means of determining tax liability. The course also focuses on computation of net wealth and incomes which do not form part of the total income.
B18BS1060	Technical English	2018-19	Employability and skill development and employability: To enable learners of Engineering and Technology develop their basic communication skills in English.To emphasize specially the development of speaking skills amongst learners of Engineering and Technology.
B18CE1050	Technical English	2018-19	Employability and skill development and employability: To enable learners of Engineering and Technology develop their basic communication skills in English.To emphasize specially the development of speaking skills amongst learners of Engineering and Technology.
B18AR1060	Technical English - I	2018-19	Skill:students develop basic communication skills in English
B18EC1070	Technical English -1	2018-19	Employability,skill development and employability:The goal of this course is to prepare engineering students with the individual and collaborative technical writing, presentation, and research skills necessary to be effective technical communicators in academic and professional environments.
B18EC2060	Technical English -2	2018-19	Employability,skill development and employability:The goal of this course is to prepare engineering students with the individual and collaborative technical writing, presentation, and research skills necessary to be effective technical communicators in academic and professional environments.
B18ME1060	Technical English I	2018-19	Employability & Entrepreneurship: Interpret audio files and comprehend different spoken discourses/excerpts in different accents (Listening Skills). Demonstrate speaking ability with clarity, confidence and comprehension and communicate with one or many listeners using appropriate communicative strategies (Speaking Skills). Review the use of reading different genres of texts adopting various reading strategies (Reading Skills). Determine the ability to write cohesively, coherently and flawlessly avoiding grammatical errors, using a wide vocabulary range, organizing their ideas logically on a topic (Writing Skills).
B18AR2060	Technical English Ii	2018-19	Skill:students develop basic communication skills in English
B18CE2060	Technical English -Ii	2018-19	skill development and employability: To understand the different types of foundations provided for civil engineering structures.To understand the different types of materials and joints in brick and stone masonry.
B18CS1060	Technical English-1	2018-19	skill development and employability, Entrepreneurship: Students are trained to interpret audio files and comprehend different spoken excerpts in different accents. To demonstrate speaking ability with clarity, confidence and comprehension. Also to develop the ability to write cohesively, coherently and flawlessly avoiding grammatical errors, using a wide vocabulary range, organizing their ideas on a specific topic.
B18CS2040	Technical English-2	2018-19	skill development and employability, Employability: Students are trained to organize their opinions clearly and meaningfully. To demonstrate the ability to speak appropriately in social and professional contexts. Also to take part in interviews confidently.
B18ME2070	Technical English-Ii	2018-19	Employability & Entrepreneurship: Interpret opinions clearly and meaningfully. Demonstrate the ability to speak appropriately in social and professional contexts. Observe to build inferences from the text. Interact in interviews confidently. Develop accurate writing skills using different components of academic writing.
17JM414	Technical Writing	2018-19	Employability and skill development and employability: Students learn the various levels of paraphrasing, precis writing, brochure writing and user manual writing and use in their work place. They develop creative writing skills.
17JM302	Television Production	2018-19	Employability and skill development and employability: Students learn to use the technical concepts in audio-visual media and enumerate the process of content creation for television in their work place. Students acquire to assess the evolution of electronic media and concepts.
MPA17F3700	Telugu	2018-19	skill development and employability. This subject will develop their basic communication skills in Telugu.
BTEE15F7501	Testing And Commissioning Of Electrical Equipment	2018-19	skill development and employability and Employability:Taken Field visits to gain practical knowledge of electrical system
MTCS17F3110	Text And Web Mining	2018-19	Employability: Students are trained in text and web mining that is the establishment and use of mechanism that make it possible for different computers to communicate. You can also share resources or the building blocks of an effective computer networking system.
MTCS17P5110	Text And Web Mining	2018-19	Employability: Students are trained in text and web mining that is the establishment and use of mechanism that make it possible for different computers to communicate. You can also share resources or the building blocks of an effective computer networking system.
B18BB1080	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..

B18BC1080	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BE1080	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BH1080	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18BJ2070	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18CA2070	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18CH1080	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
B18CS2X20	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18BC2060	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18BT2090	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18CA1070	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18CH2060	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18MS1070	Theatre	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..
M18MT4032	Theory Of Measure And Integration	2018-19	Employability skill: This course will gain an understanding of the Lebesgue measure in limit, sets, and functions. will study the Lebesgue integration on measurable functions and measurable non negative functions. will study the Lebesgue integration on monotone functions, differentiation of monotone functions, and absolutely continuous functions. will read and analyse the Linear space on inequalities, approximation, separations, and convex functions.
M18MT3010	Topology	2018-19	skill development and employability & Employability: This course will explore the foundations of mathematics (logic and set theory) at a level and depth appropriate for someone aspiring to study higher-level mathematics and/or to become a professional mathematician.
BTCE16F5330	Town And Country Planning	2018-19	Employability and skill development and employability: To educate students about the importance and need of town planning, to make students familiar with the historical planning principles of various cities around the world.
MS17BT324	Toxicology	2018-19	Employability, skill development and employability and entrepreneurship: The student will learn and implement the methods to test various molecules to treat the diseases and various parameters required to release of the molecule.
BTCE16F6430	Traffic Engineering	2018-19	Skill development and employability: To educate students about the importance of traffic engineering as applied to road transportation and features of traffic characteristics. To make students familiar with the various traffic studies conducted and the methods of analyzing and presenting the data.
M18TE1010	Traffic Engineering	2018-19	Employability and skill development and employability: Describe the characteristics of traffic and its components, and analyse the factors affecting road traffic. Conduct various traffic surveys and analyse the data and suggest the required measures
M18TE2070	Traffic Engineering Laboratory	2018-19	Skill development and employability: Explains the origin, properties, constituents of traffic surveys. Provide the overview about traffic studies
M18MD2040	Tribology And Bearing Design	2018-19	Employability & Entrepreneurship: The course is designed to equip students with tribological concepts such as wear and various lubrication principles. It also skills on the various design aspects of bearings
M18PS2063	Trouble Shooting & Maintenance Of Equipment	2018-19	skill development and employability and Employability: This course helps in finding out the electrical faults, causes and remedies for common electrical equipment.
BTEE15F8404	Trouble Shooting Of Common Electrical Appliances	2018-19	Skill development and employability and Employability: This course helps in finding out the electrical faults, causes and remedies for common electrical equipment.
MTCS17P4210	Unix Operating System & Internals	2018-19	skill development and employability, Employability: Students are trained to implement various process management and scheduling schemes. Also to design and develop memory management techniques. To demonstrate the internals of Unix operation system.
BRAR15F7520	Urban Design [Ud]	2018-19	Skill: Students are trained to Analyze urban form, size, qualitative and quantitative techniques of assessing requirements and planning amenities.
BRAR15F7510	Urban Planning [Up]	2018-19	Skill: Students are given an overview of Process of Planning and the implementation mechanism.
M18TE2030	Urban Transport Planning	2018-19	Employability and skill development and employability: Outline the Historical Development of Transportation in cities. Explain the methods of data collection and analysis of Data.
B18CE2010	Vector Calculus And Partial Differential Equations	2018-19	skill development and employability: How to solve linear Partial Differential Equations with different methods. Find the magnitude, direction and component form of displacement vectors.
M18MD1073	Vehicle Dynamics	2018-19	Employability & Entrepreneurship: The course is designed to equip students in synthesizing mechanisms using various methods
M18JM1050	Visual Communication	2018-19	Employability and skill development and employability: Students learn the various levels of Television and film production techniques and use them in their work place. They develop to analyze the process of scripting, anchoring and editing aspects.
MBAD16F33C2	Visual Communication	2018-19	skill development and employability, Employability, Entrepreneurship: Empowers Digital Communication
M18CH3050	Water Chemistry And Treatment	2018-19	skill development and employability and employability: Acquire the knowledge and understanding the significance of various water quality parameters.
BTCE16F5530	Water Resources Engineering	2018-19	Skill development and employability: To familiarize with hydrologic process and hydrologic cycle understand the rainfall run off analysis.

BSCB16F5610	Web Programming	2018-19	skill development and employability, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.	
M18CA1040	Web Technologies	2018-19	skill development and employability, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.	
M18CA1090	Web Technologies Lab	2018-19	skill development and employability, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.	
M18PS2054	Wind Energy System	2018-19	Employability and skill development and employability:It deals with the quality of power and improving methods of the same in transmission and distribution.Students can get into many PSUs like CPRI,BHEL,BEL,etc.,	
M18DC1010	Wireless Mobile Communication	2018-19	Employability,skill development and employability: skill development and employability, Employability:The course provides knowledge of characteristic of wireless channel, the concepts behind various digital signaling schemes for fading channels	
MTCS17F3130	Wireless Networks	2018-19	skill development and employability, Employability: Students are trained on Wireless networks that have enabled the connection of billions of people to the Internet so that they can reap the benefits of today's digital economy. Similarly, agreed standards for mobile phones allow people to use their devices <u>everywhere in the world</u> .	
MTCS17P5130	Wireless Networks	2018-19	skill development and employability, Employability: Students are trained on Wireless networks that have enabled the connection of billions of people to the Internet so that they can reap the benefits of today's digital economy. Similarly, agreed standards for mobile phones allow people to use their devices <u>everywhere in the world</u> .	
MTDE17F3120	Wireless Networks	2018-19	skill development and employability, Employability: Students are trained on Wireless networks that have enabled the connection of billions of people to the Internet so that they can reap the benefits of today's digital economy. Similarly, agreed standards for mobile phones allow people to use their devices <u>everywhere in the world</u> .	
BBBL15F8620	Women And Law	2018-19	Employability , Entrepreneurship: To aims at creating awareness as to importance and role of women in society through the medium of law. It also focuses on women welfare laws.	
B18BB1080	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18BC1080	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18BE1080	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18BH1080	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18BJ2070	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18BS1070	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18CA2070	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18CH1080	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18CS2X20	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M18BC2060	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M18BT2090	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M18CA1070	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M18CH2060	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
M18MS1070	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
MPA17F1700	Yoga	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
B18BA1080	Yoga/Sports	2018-19	Employability and skill development and employability: Students learn to create movement-oriented awareness and purify the body and mind. This will help in their personal and professional life to balance the personal pressure and workpressure..	
2017-18				
BTEC15F8340	Big Data Analytics	2017-18	Employability,skill development and employability: 1. To provide an understanding of big data for business intelligence. Describes the main trends of Big Data concepts. This course on big data and hadoop introduces key concepts of big data, to manage big data without SQL. Understanding map-reduce analytics using hadoop and related tools. Integrate Big Data components to create an appropriate Data Lake. Select the correct Big Data stores for disparate data sets. Process large data sets using Hadoop to extract value. Query large data sets in near real time with Pig and Hive. Plan and implement a Big Data strategy for your organization	MoU SASI
BTEE15F7200	CAED	2017-18	Skill Development and Employability:A CAED (Computer-aided Electrical design) Designer, or CAED drafter, uses computer-aided design systems to create technical drawings for electrical systems. A CAED Designer can work within	MoU CAED

MS17CS202	Data Analytics Using Python	2017-18	Employability and skill development and employability: Students learn the basics concepts of python, how to prepare and pre-process the data, data aggregation and grouping concepts, Leverage web scraping Visualize the results of analytics effectively. This will enhance their employability skills.	MoU SASI, MoU Indian Tech keys
BTC515F7210	Data Structures Using C	2017-18	Employability and skill development and employability: Use of appropriate data structures positively influences the efficiency of computer systems by enhancing the ability of the computer to store and retrieve data from any location in its memory. Naturally, top coders are masters of data structures.	MoU Indian Tech keys
BTEE15F6604	Data Structures Using C++	2017-18	Employability and skill development : Use of appropriate data structures positively influences the efficiency of computer systems by enhancing the ability of the computer to store and retrieve data from any location in its memory. Naturally, top coders are masters of data structures.	MoU Indian Tech keys
MS17CS201	Machine Learning Algorithms	2017-18	Employability and skill development and employability: Students learn the basic theory underlying machine learning; Formulate machine learning problems corresponding to different applications;the principles, advantages, limitations and possible applications of machine learning; Apply machine learning algorithms to solve classification, pattern recognition, and optimization and decision problems of moderate complexity, Analyze Supervised and Unsupervised Learning methods, Understand Probabilistic Graphical Models in machine learning. This will enhance their employability skills.	MoU Indian Tech keys
BSCB16F3300	Oop With C++	2017-18	skill development and employability, Employability: The course provides insight in the C++ programming language . They are introduced with the fundamental concepts of Classes, Objects and Inheritance, <u>polymorphism in C++.</u>	MoU Indian Tech keys
BSCB16F3700	Programming With C++ Lab	2017-18	skill development and employability, Employability: The course provides insight in the C++ programming language . They are introduced with the fundamental concepts of Classes, Objects and Inheritance, <u>polymorphism in C++.</u>	MoU Indian Tech keys
MS17MT106	R-Programming With Statistical Methods Lab	2017-18	Skill development and employability: By learning this course, students can get internships in Data Science at different Labs and in Cyber security at the Army Research Labs.	MoU Indian Tech keys
MTVS15P4210	VLSI Testing and Verification	2017-18	Employability, Skill development: Study of importance of the testing and verification in the VLSI IC industry. Analysis and identification of various faults. Knowledge of various testing techniques	MoU Indian Tech keys
MTVS15P3210	Low Power VLSI Design	2017-18	Employability, Skill development: The study of importance of low power vlsi design in VLSI industry. The analysis and optimization of power dissipation with respect to the digital systems. Various design styles to achieve the power efficient digital systems	MoU Indian Tech keys
BR17AR503	Energy Efficient Buildings	2017-18	Skill, Employability: Students are trained to utilize passive design strategies. Students get an overview of green building rating systems and their significance. Students are trained to apply the techniques learnt through software.	MoU SASI
MS17MT226	SAS	2017-18	Employability and Skill development::Students will learn the concepts on Python programming for the development of algorithms and tools	MoU Indian Tech keys
MS17CS225	Social Network Analytics	2017-18	skill development and employability, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.	MoU SASI
BPAL15F5820	Accounting And Financial Management Lab	2017-18	skill development and employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of Graphical User interface with Windows Forms. Students are familiarized with Event handling control properties, ADO.NET and Creating Connection string.	
BPAL15F5810	.Net Programming Lab	2017-18	skill development and employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of Graphical User interface with Windows Forms. Students are familiarized with Event handling control properties, ADO.NET and Creating Connection string.	
BPAL15F5510	.Net Programming Using C#	2017-18	skill development and employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of Graphical User interface with Windows Forms. Students are familiarized with Event handling control properties, ADO.NET and Creating Connection string.	
BPAL15F5520	Accounting And Financial Management	2017-18	skill development and employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of Graphical User interface with Windows Forms. Students are familiarized with Event handling control properties, ADO.NET and Creating Connection string.	
BTEC15F7420	Adaptive Filters	2017-18	skill development and employability: To provide a significant understanding of adaptive filters in signal processing.To introduce the mathematical framework necessary in understanding the adaptive filtering process.To present the perspectives of adaptive filters towards present day communication systems.To study the differences between algorithms adopted in adaptive filtering. To know the performance measures used in comparing different adaptive filtering algorithms.	
MCOM16F3F40	Advanced Capital Structure Theories	2017-18	Entrepreneurship & Employability: Students can able to typically analyze different types of data that are stored in the Cloud. Also, can able to work with huge datasets in depth.	
MS17CH235	Advanced Chemical Kinetics And Thermodynamics-II.3	2017-18	skill development and employability: Understand the mechanism of reaction rate, kinetics, thermodynamics, modern experimental techniques and photochemical process.	
BTEE15F6401	Advanced Control Engineering	2017-18	Employability:Design of controllers,state space modelling, test of controllability and observability are some of the potential areas for employment for control engineers	
MTCS16P3103	Advanced Data Structures	2017-18	skill development and employability: Studnts are trained on advanced Data Structures that are used to store and manage data in an efficient and organised way for faster and easy access and modification of Data	MoU Indian Tech keys
MPAL16F3510	Advanced Database Systems	2017-18	skill development and employability, Employability: Students learn to describe the directory layout of a typical Linux system, maintain and secure Linux directories and files, use basic Linux commands, use Linux pipes and file redirection efficiently to manipulate data. They also learn to form simple regular expressions to define patterns with various - Linux commands, use the fundamental LINUX system tools and utilities, write shell scripts in order to perform basic shell programming. This will enhance their employability skills.	
BTCS15F7410	Advanced Database Management System	2017-18	skill development and employability, Employability: Students are familiarized with applying the knowledge to design database schemas. Design ER diagrams for given data models. Use database concepts and relational models for building database applications. Trained to develop database applications for industrial projects and demonstrate skills as a database administrator to control both data and application programs	
MTCS17F1100	Advanced Database Management Systems	2017-18	skill development and employability, Employability: Students are familiarized with applying the knowledge to design database schemas. Design ER diagrams for given data models. Use database concepts and relational models for building database applications. Trained to develop database applications for industrial projects and demonstrate skills as a database administrator to control both data and application programs.	

MTCS17P1100	Advanced Database Management Systems	2017-18	skill development and employability, Employability: Students are familiarized with applying the knowledge to design database schemas. Design ER diagrams for given data models. Use database concepts and relational models for building database applications. Trained to develop database applications for industrial projects and demonstrate skills as a database administrator to control both data and application programs.
BSCB16F7530	Advanced Dbms	2017-18	Skill Development, Employability: Students learn the modeling and design of databases, acquire knowledge on parallel and distributed databases and its applications, study the usage and applications of Object Oriented database, understand the usage of advanced data models, acquire inquisitive attitude towards research topics in databases
BTCE15F8410	Advanced Design Of Pre-Stressed Concrete Structures	2017-18	skill development:To analyze the stresses in the end blocks and design reinforcement, To compute shear and torsional strengths and design reinforcement, To analyze and design composite sections
BTCE15F7320	Advanced Design Of Shallow Foundations	2017-18	skill development and employability:To learn about design of Shallow foundations and its types
MT17VS114	Advanced Digital System Design Using Verilog	2017-18	Employability,skill development and employability: To equip students with the fundamental concept of Digital Design. The student will be given the knowledge of building the digital system design using verilog. The logic system will be implemented targeted to FPGA platform. Various analysis such as timing, area and power dissipation will also be covered in the syllabus
MTP17VS113	Advanced Digital System Design Using Verilog	2017-18	Employability,skill development and employability: To equip students with the fundamental concept of Digital Design. The student will be given the knowledge of building the digital system design using verilog. The logic system will be implemented targeted to FPGA platform. Various analysis such as timing, area and power dissipation will also be covered in the syllabus
MT17VS1030	Advanced Embedded System Design	2017-18	Employability,skill development and employability: To equip students with the fundamental concept of Embedded system. Understand the various constraints of embedded systems. Testing of embedded hardware and software is focused in the syllabus
MTP17VS201	Advanced Embedded Systems	2017-18	Employability,skill development and employability: To equip students with the fundamental concept of Embedded system. Understand the various constraints of embedded systems. Testing of embedded hardware and software is focused in the syllabus
BCOM15F5F13	Advanced Financial Management	2017-18	Employability and skill development and employability: It provides a brief insight into the various financial management decisions, capital budgeting techniques that are essential in the regular business practices and which can also provide the opportunity to be a successful financial manager.
MS17MT426	Advanced Graph Theory	2017-18	Skill Development and employability: This course Analyze the concept of matching to estimate the bond lengths, Analyze the concept of matching to solve TSP,Connect the concept of connectivity to solve utility problems, mapping problems.Connect the concept of planarity to solve 2D circuit problem (minimizing the number of intersection of wires).
MS17CH351	Advanced Inorganic Chemistry Iii	2017-18	skill development and employability and employability : Understand the importance of metal complexes in drugs, reactions of coordination complexes, influence of thermodynamic properties on the stability of metal complexes.
MS17CH145	Advanced Instrumental Methods Of Analysis- I.4	2017-18	skill development and employability and employability: Acquire the advanced technical skills and knowledge required in the instrumental analysis enable them to pursue careers in research and academics
BPAL15F6220	Advanced Java	2017-18	skill development and employability, Employability, Entrepreneurship: Students learn to compare the strengths and limitations of cloud computing, Identify the architecture, infrastructure and delivery models of cloud computing, apply suitable virtualization concept, choose the appropriate cloud player, Programming Models and approach
BPAL15F6420	Advanced Java Lab	2017-18	Entrepreneurship skill development and employability, Employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of Graphical User interface with Windows Forms. Students are familiarized with Event handling control properties, ADO.NET and Creating Connection string.
BSCB16F4300	Advanced Java Programming	2017-18	Entrepreneurship skill development and employability, Employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of the internet standards and recent web technologies like Conferencing, newsgroup etc. Students learn to implement, compile, test and run Java program,make use of hierarchy of Java classes to provide a solution to a given set of requirements found in the Java API, understand the components and patterns that constitute a suitable architecture for a web application using java servlets. This will enhance their employability skills.
MTCS17F2530	Advanced Java Programming	2017-18	skill development and employability, Employability: Studenta are trained to analyze the principles and concepts of advance java programming. To use the Java interpreter to run Java applications. Also to describe, modify and debug Java programs using primitive data types, various operators, control structures, single-subscripted arrays, multi-class and object-based programming techniques including classes, objects and inheritance
MTDE17F2630	Advanced Java Programming	2017-18	skill development and employability, Employability: Studenta are trained to analyze the principles and concepts of advance java programming. To use the Java interpreter to run Java applications. Also to describe, modify and debug Java programs using primitive data types, various operators, control structures, single-subscripted arrays, multi-class and object-based programming techniques including classes, objects and inheritance
BSCB16F4800	Advanced Java Programming Lab	2017-18	Entrepreneurship skill development and employability, Employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of the internet standards and recent web technologies like Conferencing, newsgroup etc. Students learn to implement, compile, test and run Java program,make use of hierarchy of Java classes to provide a solution to a given set of requirements found in the Java API, understand the components and patterns that constitute a suitable architecture for a web application using java servlets. This will enhance their employability skills.
MTMD17F243	Advanced Machine Design	2017-18	Employability& Entrepreneurship: Classify and explain the art of design methodology by analysis and damage tolerance methods, and describe the micro mechanisms of brittle and ductile fracture.
MCOM16F3A10	Advanced Management Accounting	2017-18	Employability, skill development and employability - Students learn about the pricing strategies, evaluate the preparation of various budgets and understand the perspectives of Balanced Scorecard and Benchmarking process.
MTPE16F243	Advanced Micro Controllers	2017-18	Skill development and employability and Employability: Students will attain the ability too use the advanced fast microcontroller in electrical engineering related fields like Power system protection, instrumentation, power electronics, Electrical Drives and control of Electrical Equipments. These concepts will help them in starting career in the field of electric drives, power electronics Industry
MS17CS105	Advanced Networks	2017-18	skill development and employability, Employability: Students learn to Propose efficient, cost effective, reliable and appropriate technology to establish communication links. Design an enterprise network employing the common LAN technologies and be able to evaluate the advantages and disadvantages. Configure a PC to work as a host in a TCP/IP network and to use the IP based command to facilitate the trouble shooting process. Describe the technical issues related to the Wide Area Networks and identify the common technologies available in establishing WAN infrastructure.

MS17CS127	Advanced Operating Systems	2017-18	Employability and skill development and employability: Students learn special and frequency domain processing, image modalities, sensing, acquisition, sampling, and quantization, image noise models, spatial filter operations, frequency domain transformations, Implement frequency domain filters, Implement and Apply segmentation algorithms, edge detection techniques, corner and interest point detection algorithms and morphological operations. This will enhance their employability skills.
MS17CH312	Advanced Organic Chemistry -Ii	2017-18	skill development and employability and employability: Acquire the knowledge of retrosynthetic approaches for the synthesis of organic compounds, gaining the knowledge of mechanisms, spectroscopy and synthetic strategy.
MS17CH322	Advanced Organic Synthesis - Iii	2017-18	skill development and employability, enterprenership and employability: Acquire the knowledge of named reactions and their applications in organic synthesis.
MS17CH333	Advanced Physical Chemistry-Ii	2017-18	skill development and employability and employability : Acquire the knowledge of interpretation of quantum mechanical calculations, knowledge about the advanced electronic energy calculation (DFT), understanding the importance of statistical thermodynamics in macro and microsystems
BTEE15F5602	Advanced Power Electronics	2017-18	Employability: This course gives knowledge of practical power supply board. Simulation studies of DC-DC converters were carried out using PSIM and MATLAB. Employability: Knowledge of DC-DC converters are integral to dc power supply design(SMPS),solar power.
17JM102	Advanced Reporting And Editing	2017-18	Employability and skill development and employability: Students learn the various aspects of reporting and editing techniques in various media platforms. They develop to analyze the process of reporting and editing techniques for print and electronic media
MTCS16P3203	Advanced Software Engineering	2017-18	skill development and employability: Students are trained with advanced software engineering that is important because specific software is needed in almost every industry, in every business, and for every function.
MTCS17F1420	Advanced Storage Area Networks	2017-18	Employability: Students are trained on Storage Area Networks that is a specialized, high-speed network that provides block-level network access to storage.
MTDE17F1620	Advanced Storage Area Networks	2017-18	Entrepreneurship, Employability: Students are trained with Network storage that plays an important aspect of a company's health and productivity. With a good storage management solution, small businesses can maximize server performance, simplify data management, back up important data, improve application availability, and be prepared in case of disaster
MTMD17F230	Advanced Vibration	2017-18	Employability& Entrepreneurship: The course is designed to equip students with skills of carrying out modal and time history analysis. To understand the concept of condition monitoring along with case studies.
MTCS16P3101	Advanced Web Technologies	2017-18	Employability: Students are trained in advanced Web technology that is the establishment and use of mechanism that make it possible for different computers to communicate. You can also share resources or the building blocks of an effective computer networking system.
BBAD15F5M30	Advertising	2017-18	Employability , Entrepreneurship: The students learn about factors that influence consumer decision making and how each consumer is diffrenet from others. Through this they develop an understanding of how to develop separate strategies for separate customers keeping in mind the macro and micro elements impacting their behaviour.
MTCS17F1530	Agile Software Development	2017-18	Entrepreneurship: Students will be trained on Application development and maintenance, Asset leverage solutions, Assurance services, Business process outsourcing, Consulting, Engineering and Industrial services, Enterprise solutions and IT infrastructure services
MTDE17F1630	Agile Software Development	2017-18	Entrepreneurship: Students will be trained on Application development and maintenance, Asset leverage solutions, Assurance services, Business process outsourcing, Consulting, Engineering and Industrial services. Enterprise solutions and IT infrastructure services
MS17MT101	Algebra	2017-18	Skill Development, Employability: This course will gain an understanding of the Cayley's theorem, Sylow's theorem and finite abelian group. study the ring and field over polynomials,will read and analyse Galois theory, will read and analyse the linear transformation, unitary and normal transformation, This course will provide teaching opportunities in academic institutions and R&D.
17F1400	American Literature - I	2017-18	skill development and employability: Students learn to interpret, analyze and evaluate literary texts
BTEC15F8310	Analog Mixed Mode Vlsi	2017-18	Employability,skill development and employability: Introduce the concept of analog and digital discrete signals. Provide specifications of data converters. Highlight the DAC and ADC architectures. Introduce non linear analog circuits like comparators, and analog multipliers. Demonstrate the sub micron CMOS process flow. Present capacitors, resistors and switches using MOSFETs.
MS17CH104	Analytical Chemistry I	2017-18	skill development and employability, and employability: Acquire the knowledge of data handling, statistical treatment of data. Acquire the knowledge of basic analytical and technical skills such as instrumentation of Potentiometry, coulometry, Voltammetry, Chromatography to work effectively.
MS17CH204	Analytical Chemistry-Ii(Organic Spectroscopy)	2017-18	skill development and employability, enterprenership and employability: Acquire the knowledge of basic analytical and technical skills such as instrumentation of UV-Vis, FTIR, NMR, ESR and Mass spectrometry to work effectively.
MSBT16F3410	Animal Biotechnology	2017-18	Employability, skill development and employability and enterprenership: Student will learn the techniques to maintain the cell lines and also understand the behaviour of the cells under different condition which is most essential for the pharmaceutical industry.
BTCE16F3400	Applied Surveying	2017-18	skill development: To provide basic knowledge about principles of surveying for location, design and construction of engineering projects, To develop skills for using surveying instruments including chain, measuring tapes, levelling instruments, plane table, theodolite etc.
BRAR15F5100	Architectural Design - V	2017-18	skill development and employability , Employability, Entrepreneurship: students are trained in designing agglomerations of multiple building units (eg Multi storied Apartments with club house, play areas etc. or Campus Housing) ; implementation of Building bye laws pertaining to Set backs and Parking norms.and Integration of building services like water supply, drainage, Rainwater harvesting, power back up, Construction and Material knowledge into the design.
BTCE16F3900	Architectural Planning & Design Of Buildings.	2017-18	skill development and employability : To understand the necessity of town planning, principles of planning, principles of architecture and byelaws. To study the planning of building services such as noise and accoustics, ventilation, lighting, plumbing work and safety practices.
BRAR15F6810	Architectural Research Writing	2017-18	Skill, Employability:students are trained to conduct research, cultivate communication skills required to communicate research outcomes in form of research paper, audio visual/verbal presentations.
BRAR15F6100	Architecture Design -Vi	2017-18	skill development and employability, Employability, :students are trained to design large scale projects (in site with contours-hilly terrain) which respond to climate, environmental and ecological factors. Site planning, landscape details, circulation and services, structural viability and interiors are addressed by the students through multiple studio exercises .

MFA17F2100	Art History And Choreography	2017-18	Employability and skill development and employability as this subject focuses on the study of the History of Art and all the intricacies and technicalities that in turn would enable the dancers/artist of School of Performing Arts to gain knowledge in the History and the Development of Dance from a bird's eye view. It will also inculcate the habit of reading and writing Dance and Art Papers, Journals, Blogs, Articles and Reviews for their academic betterment.
BTEC15F7510	Asic Design	2017-18	Employability, skill development and employability: Present brief idea about the ASIC design. Give brief introduction to logic cell. Present the idea of low level design entry. Give a brief description of floor planning, placement and routing. Present the trends in ASIC.
MT17VS224	Asic Design And Verification Using Systemverilog	2017-18	skill development and employability: To equip students with the fundamental concept of ASIC Design. Understand the various concepts such as full custom, semicustom ASIC Design styles. Knowledge of design cell library, back annotation will also be covered.
MCOM16F4T40	Assessment Of Various Entities & Tax Planning	2017-18	Employability: This course provides an introduction to taxation in India. It helps to gain knowledge about the Indian Taxation System.
MS17PH204	Atomic And Molecular Physics	2017-18	skill development and employability: Students learn to explain, formulate and analyse the problems related to different spectroscopic applications.
MS17PH207	Atomic And Molecular Physics Lab	2017-18	skill development and employability: Students learn to understand and describe spectroscopic applications and analyze atomic models and behavior of atoms in external applied electric and magnetic field.
BCHO16F4600	Auditing And Corporate Governance	2017-18	Employability, Entrepreneurship and skill development and employability: This course is a conceptual theory wherein auditing and corporate governance mechanism are discussed and practical examples of auditing techniques and work programs and also real time corporate governance failures are used to illustrate the application of the theory to students.
BTME15F7540	Automation in Manufacturing	2017-18	Employability & Entrepreneurship: Evaluate the product and production relationships. Understand the cost of manufacturing operations. Involve in the design of transfer mechanisms that may be need for work part transfer in manufacturing sector. Evaluate the utilization and availability of the infrastructure in the automated production line (APL). Employability: can work in environment like Group Technology (GT), Bar code systems, Lean manufacturing, JIT, Agile manufacturing. Implement the concept of Line balancing. Understand the modern automated industries requirements.
BTEC15F8330	Automotive Electronic Systems	2017-18	skill development and employability, Employability, Entrepreneurship: Explain power train and drive train components in automotive systems. Discuss the role of electronics in engine control systems. Illustrate the concepts of in-vehicle networking. Describe automotive safety systems & infotainment systems. Analyze the current status of software in the automotive industry and present the specifications elaborated within the AUTOSAR consortium in terms of standardization
MTP17VSS01'	Automotive Electronics	2017-18	skill development and employability: Introduce the basic three pillars of MEMS Design, Fabrication and Materials. To introduce different materials used for MEMS. To provide knowledge of semiconductors and solid mechanics to fabricate MEMS devices. Highlight the various electrical and mechanical concepts with regards to MEMS arena. Demonstrate the various fabrication and micro machining techniques. Recognize the basic operation principles Optical Lithography, Electron Lithography, X-Ray Lithography, Ion Lithography, Plasma properties. Understand Etch mechanism, reactive Plasma Etching techniques and Equipment.
MTDC16F3200	Automotive Electronics Systems	2017-18	skill development and employability: Introduce the basic three pillars of MEMS Design, Fabrication and Materials. To introduce different materials used for MEMS. To provide knowledge of semiconductors and solid mechanics to fabricate MEMS devices. Highlight the various electrical and mechanical concepts with regards to MEMS arena. Demonstrate the various fabrication and micro machining techniques. Recognize the basic operation principles Optical Lithography, Electron Lithography, X-Ray Lithography, Ion Lithography, Plasma properties. Understand Etch mechanism, reactive Plasma Etching techniques and Equipment.
BTME15F8210	Automotive Engineering	2017-18	Employability & Entrepreneurship: Develop chassis and identify suitable engine for different applications. Formulate steering, braking and suspension systems. Select a suitable conventional and automatic transmission system. Employability: can work in automobile industries.
MTCS17F2200	Big Data And Analytics Using R	2017-18	Employability: Students are familiarized with Big data analytics using R that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
MTCS17P2200	Big Data And Analytics Using R	2017-18	Employability: Students are familiarized with Big data analytics using R that helps organizations harness their data and use it to identify new opportunities. That, in turn, leads to smarter business moves, more efficient operations, higher profits and happier customers.
BTCS15F7310	Big Data And Hadoop	2017-18	Entrepreneurship, Employability: Students will know to Explain Big Data concepts and managing big data. Generalize Hadoop Architecture. Develop Complex MapReduce programs. Trained to Apply data analytics using Pig, Hive.
MTCS16P3301	Big Data And Hadoop	2017-18	Entrepreneurship, Employability: Students will know to Explain Big Data concepts and managing big data. Generalize Hadoop Architecture. Develop Complex MapReduce programs. Trained to Apply data analytics using Pig, Hive.
MS17CS215	Big Data And Nosql	2017-18	skill development and employability, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.
MS17CS104	Big Data Management	2017-18	Entrepreneurship skill development and employability, Employability: Students learn to Categorize and summarize Big Data, Differentiate various Big data technologies like Hadoop, MapReduce, Pig, Hive, Hbase and No-SQL and Apply tools and techniques to analyze Big Data. This will enhance their employability skills.
MS17CS217	Big Data Security	2017-18	skill development and employability, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.
M18BC3030	Biochemical Genetics	2017-18	skill development and employability: Will obtain skills to handle all basic biochemical and genetics techniques for clinical diagnostics and can provide solutions for genetic problems in various fields.
16F3610	Biographies Of Great Personalities(Oe)	2017-18	Students will learn about the famous personalities and broaden their general knowledge. They will learn to connect biographical texts to their historical and cultural contexts. They will be able to relate their own struggles and gain inspiration from the famous personalities.
MS17BC215	Bioinformatics	2017-18	skill development and employability: Analyze and solve biological problems, drug design using different soft wares, designing new softwares in the areas of Biotechnology, Pharmaceuticals and software fields. Draw the structures of complex molecules of chemical and biological origin. Employability: many opportunity is there in bioinformatics company, drug company and many
MS17CS226	Bioinformatics	2017-18	skill development and employability, Employability: Students learn the basics of IoT, key application domains of IoT, programming in IoT and the intricacies involved in an IoT project. This will enhance their employability skills.

MTCS16P3102	Bioinformatics	2017-18	Employability: Students are familiarized with bioinformatics that is used to analyze whole-genome sequencing data. This involves algorithm, pipeline and software development, and analysis, transfer and storage/database development of genomics data
BTME15F8310	Biomass Energy Systems	2017-18	Employability & Entrepreneurship: Describe the fundamentals and characteristics of bio mass energy sources. Describe different bio mass conversion methods to use as a fuel. Explain the technological basis for harnessing bio mass energy sources. Extract the bio fuel from biomass.
BTEC15F7320	Biomedical Signal Processing	2017-18	skill development and employability: Identify the application of the main signal processing tools to the analysis of biomedical signals. Describe and apply signal processing methods for removal of artefacts in medical signals. Describe how clinically relevant information can be extracted from these signals. Relate advanced signal processing for uni and multi-modal medical signals. Discuss advanced signal processing for multidimensional medical signals. Interpret and analyse medical signals from a set of specific medical applications.
MSBC16F1510	Biomolecules	2017-18	Employability : Correlate knowledge of Bio- molecules to central Biochemical processes and also to carry out research and projects.
17JM225	Branding And Marketing Research	2017-18	Employability and skill development and employability: Students learn the practical aspects of newspaper production
BRAR15F5200	Building Construction Materials -V	2017-18	Skill, Employability, : Students are trained in constructional systems of partitions in advanced and latest materials.They are able to design advanced roofing technologies for large span and complex buildings.
BRAR15F6200	Building Construction/Working Drawings	2017-18	skill development and employability, Employability, : Students are trained in Preparation of detailed drawings of floor plans, sections, elevations. and services.
BTCE16F4800	Building Drawing With Autocad	2017-18	skill development and employability & Entrepreneurship : To familiarize drawing planning of building using AUTO CAD, To understand the importance of AUTOCAD in three dimensional drawing.
BRAR15F5400	Building Services Ii	2017-18	skill development and employability, Employability, : Students are trained to comprehensively plan and design the electrical and illumination requirements of building design.
BRAR15F6400	Building Services Iii	2017-18	Skill, Employability, : Students are trained to incorporate mechanical services in a building
MCOM16F3T40	Business And Corporate Taxation	2017-18	Employability: This course provides an introduction toCorporate taxation in India.
MBAD16F4200	Business Development Models	2017-18	Employability, skill development and employability,Entrepreneurship: It deals in aholistic manner the various techniques required for developing and solving models of Business
BCOM15F5200	Business Ethics And Corporate Governance	2017-18	Employability, skill development and employability and Entrepreneurship: students will acquire the Ethics like what is right and wrong and will also be able to understand the need of Corporate Governance laws and practices.
BBBL15F5500	Business Ethics And Corporate Social Responsibility	2017-18	Employability : The course provide students with an awareness of current policy trends and developments in company law with special focus on the legal implications of separate corporate personality including limited liability, the validity of contracts made with companies, the role of the board of directors and their legal duties as directors and the legal protection of shareholders.
BBAD15F6200	Business Ethics& Corporate Governance	2017-18	skill development and employability, Employability : It develop the basic understanding of challenges related to business ethics and corporete social responsibility facing a manager in global market.
17JM216	Business Journalism	2017-18	Employability and skill development and employability: Students learn the ethical aspects of media and various laws related to media. They develop to analyze the importance of code of conduct and media laws especially in Indian Media context .
BBHO16F3100	Business Language And Presentation	2017-18	Employability , Entrepreneurship: The students learn how to improve oral as well as written communication skills focusing on the corporate requirements. They gain an understanding of what are the skills that he/she is required to possess to communicate within the organization and, outside the organization etc.
BSCB16F1600'	C Programming Lab	2017-18	Employability and skill development and employability: Students learn analytical and programming skills essential to workplace success and occupational situations and also develop skills essentials to logical thinking.
BTC15F8250	C# And .Net	2017-18	skill development and employability: Students are skilled with C# that is being a . NET language, it supports language interoperability, i.e. C# can access code written in any . NET compliant language and can also inherit the classes written in these languages
MS17MT411	Calculus Of Variation And Integral Equation	2017-18	Skill Development, Employability : the students understand the concepts euler's equation to solve geodesics and Brachistochrone problem with boundary conditions. Analyse different types of advanced variational problems and Analyze the concepts of linear integral equations with applications,apply different methods of solution of linear integral equations
MTCS16P4300	Certification Program	2017-18	skill development and employability, Employability and Entrepreneurship: Students develop skills in aptitude, GD, PI . This will enhance their employability skills
MS17CH215	Chemistry Of Life	2017-18	skill development and employability: Understand the role of metal ions in biosystems, analyse the significance of non-covalent interactions in biomolecules. Importance of biomembranes and biopolymers.
BTME15F7700	Cim & Automation Lab	2017-18	Skill development and Employability: Generate the part program for the given profile/part geometry – offline. Able to work on CNC machines.
MS17PH102	Classical Mechanics	2017-18	skill development and employability: Students learn the dynamics of particle systems and use mathematical techniques to solve practical problems.
BBBL15F6200	Client Interviewing Counseling & Advocacy Skills	2017-18	skill development and employability : The course is designed to hone advocacy skills in the students with special focus on the skills of client interviewing. The course requires the students to bserve interviewing sessions of clients at the lawyer's office and record the proceedings and to further observe the preparation of documents and court papers by the advocate and the procedure for the filing of the suit or petition.
MSBC16F4400	Clinical Biochemistry	2017-18	skill development and employability:The students can able to understand the various disorders concern with various organs like Kidney ,Heart etc,and also thecan able to findout the cause and symptoms like Jaundice etc.
MSBC16F4300	Clinical Diagnostics	2017-18	skill development and employability:The students can able to understand the various disorders concern with various organs like Kidney ,Heart etc,and also thecan able to findout the cause and symptoms like Jaundice etc.
MSBC16F4100	Clinical Research, Pharmacovigilance	2017-18	skill development and employability:The students can able to understand the various disorders concern with various organs like Kidney ,Heart etc,and also thecan able to findout the cause and symptoms for cancer like.
BPAL15F6210	Cloud Computing	2017-18	skill development and employability, Employability, Entrepreneurship: Students learn to compare the strengths and limitations of cloud computing, Identify the architecture, infrastructure and delivery models of cloud computing, apply suitable virtualization concept, choose the appropriate cloud player, Programming Models and approach

MS17CS203	Cloud Computing	2017-18	skill development and employability, Employability, Entrepreneurship: Students learn to compare the strengths and limitations of cloud computing, Identify the architecture, infrastructure and delivery models of cloud computing, apply suitable virtualization concept, choose the appropriate cloud player, <u>Programming Models and approach.</u>
MTCS17F1200	Cloud Computing	2017-18	Entrepreneurship, Employability: Students will be familiarized to explain the cloud computing concepts such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). They know about various cloud computing technologies like data center technology, virtualization technology, web technology, multitenant technology; service technology. They are trained to apply Virtualization technologies: Hypervisor, emulation, and application VM, Platform virtualization, storage virtualization, and network virtualization in developing cloud applications.
MTCS17P1200	Cloud Computing	2017-18	Entrepreneurship, Employability: Students will be familiarized to explain the cloud computing concepts such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). They know about various cloud computing technologies like data center technology, virtualization technology, web technology, multitenant technology; service technology. They are trained to apply Virtualization technologies: Hypervisor, emulation, and application VM, Platform virtualization, storage virtualization, and network virtualization in developing cloud applications.
MTDE17F1200	Cloud Computing	2017-18	Entrepreneurship, Employability: Students will be familiarized to explain the cloud computing concepts such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). They know about various cloud computing technologies like data center technology, virtualization technology, web technology, multitenant technology; service technology. They are trained to apply Virtualization technologies: Hypervisor, emulation, and application VM, Platform virtualization, storage virtualization, and network virtualization in developing cloud applications.
BSCB16F3200	Cloud Computing And Virtualization Foundation	2017-18	skill development and employability, Employability: Students learn the basics of virtualization , Private ,Public ,and Hybrid Cloud Computing , IaaS, PaaS and SaaS, cloud Security and compliance issues. They also trained to create and launch Windows and Linux Cloud Servers, Design and implement Microsoft virtualization on windows 2016 server. This will enhance their employability skills.
BSCB16F4200	Cloud Computing Architecture And Design	2017-18	skill development and employability: Students learn to differentiate the various components in cloud data centre and to Install and configure Citrix Xen host clusters and configure High availability for VM. This will enhance their employability skills.
BPAL15F6410	Cloud Computing Lab	2017-18	skill development and employability, Employability, Entrepreneurship: Students learn to compare the strengths and limitations of cloud computing, Identify the architecture, infrastructure and delivery models of cloud computing, apply suitable virtualization concept, choose the appropriate cloud player, <u>Programming Models and approach.</u>
BTCS15F7600	Cloud Computing Lab	2017-18	Entrepreneurship, Employability: Students will be familiarized to explain the cloud computing concepts such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). They know about various cloud computing technologies like data center technology, virtualization technology, web technology, multitenant technology; service technology. They are trained to apply Virtualization technologies: Hypervisor, emulation, and application VM, Platform virtualization, storage virtualization, and network virtualization in developing cloud applications.
MTDE17F1610	Cloud Data Management	2017-18	Employability: Students are familiarized with cloud data management that include consolidation of processes such as backup, disaster recovery, archiving and analytics, and cost savings.
BTCS15F7540	Cloud Security	2017-18	Employability: Students are familiarized with Cloud security that is important for both business and personal users. Everyone wants to know that their information is safe and secure and businesses have legal obligations to keep client data secure, with certain sectors having more stringent rules about data storage
MT17VS102	Cmos Vlsi Design	2017-18	Employability,skill development and employability: To equip students with the fundamental concept of Digital CMOS VLSI Design. Understand IV characteristics of CMOS logic and construction of various CMOS based logic structures. The student will be also learning the layout of various logic systems.
MTP17VS102	Cmos Vlsi Design	2017-18	Employability,skill development and employability: To equip students with the fundamental concept of Digital CMOS VLSI Design. Understand IV characteristics of CMOS logic and construction of various CMOS based logic structures. The student will be also learning the layout of various logic systems.
BTEC15F7310	Coded Modulation Techniques	2017-18	Employability,skill development and employability: To provide an understanding of advanced coded Modulation technique in the state of art communication systems. To have an understanding of the combination of coding and Modulation in effective control of Bandwidth.To provide and understanding of the effective utilization of the power and Bandwidth.To provide a comprehensive look at the challenges in Engineering problems to provide an effective and efficient solution
MCOM16F4F40	Commodity Market	2017-18	Employability, skill development and employability : Students Understand the different types of the financial derivatives and factors contributing for the growth of the derivatives in India
MTDC16F3120	Communication System Design Using Fpga	2017-18	skill development and employability, Employability: Digital system design using HDL, Know FPGA architecture, interconnect and technologies, Know different FPGA implementation methodologies, Understand configuring and implementing digital embedded system, microcontrollers, microprocessors, DSP algorithm on FPGA
17JM104	Communication Theories	2017-18	Employability and skill development and employability: Students learn the various aspects of Communication theory and application level in the media houses. They develop to analyze the ethical aspects of communication and entire media system.
17JE102	Communicative English - I	2017-18	skill development and employability: Students learn efficient writing skills and grammar that would inturn help them in better conversations and presentation skills
17JE202	Communicative English - II	2017-18	skill development and employability: Students learn efficient writing skills and grammar that would inturn help them in better conversations and presentation skills
BBBL15F5400	Company Law	2017-18	Employability, Entrepreneurship : The course provide students with an awareness of current policy trends and developments in company law with special focus on the legal implications of separate corporate personality including limited liability, the validity of contracts made with companies, the role of the board of directors and their legal duties as directors and the legal protection of shareholders.
MBAD16F33H3	Competency Based Hrm	2017-18	skill development and employability & Employability - This course familiarize the students with the fundamentals of competency management, experience the process of competency mapping and understand the integration of competency profiling to other HR application.
MS17MT202	Complex Analysis	2017-18	Skill development and employability: study the analytic function and Cauchy's theorem for triangular, rectangular, circular regions also Liouilles theorem,study Power series,read and analyse the singularities,read and analyse the Residues theorem, and Contour integrals, This course will provide teaching opportunities in academic institutions and R&D.
BTME15F7510	Computational Fluid Dynamics	2017-18	Employability & Entrepreneurship: Possess the knowledge of CFD techniques, basic aspects of discretization and grid generation. Solve fluid flow fields using CFD methods. Model fluid flow problems and heat transfer.

MS17MT314	Computational Fluid Dynamics	2017-18	Skill development and employability: Acquiring the concepts of Finite Difference method to solve various types of Partial Differential Equations and the concepts of physics of compressible and incompressible fluid flows. It explores finite volume method to solve the fluid flow equations and finite element method to solve one-dimensional and two-dimensional problems.
BTCE15F8510	Computer Applications In Civil Engineering	2017-18	skill development and employability: To analyze beams, trusses, rigid frames and grids using commercial software To solve civil engineering problems such as SFD and BMD of statically determinate beams etc. using spreadsheets.
BPAL15F5100	Computer Architecture	2017-18	skill development and employability, Employability: Students learn how Computer Systems work & its basic principles, how to analyze the system performance, Concepts behind advanced pipelining techniques, current state of art in memory system design, how I/O devices are being accessed and its principles, gain knowledge on Instruction Level parallelism, gain Knowledge on nano programming
BTEC15F7200	Computer Communication Networks	2017-18	skill development and employability, Employability: Students understand the basic principles of computer communication networks through the discussion on existing protocols and standards. They are familiarized with the basic taxonomy and terminology of the computer networking, OSI and TCP/IP layered models with Internet perspective data link layer protocols, routing protocols, transport layer and application layer protocols. They also conduct simulation activities.
BTEC15F7700	Computer Communication Networks Lab	2017-18	skill development and employability: Introduce the open source network simulators. Discuss the Network topologies, Point to point Network on NS platform. Conceptualize the Transport Protocols (TCP/UDP), SMTP, SNMP, FTP, HTTP, TELNET, HTML etc. Discuss the C/C++ Programming. Conceptualize the factors such as security, error detection & correction methods of data. Discuss the data transmission and loss of data packets in a network.
MTMD17F153	Computer Graphics	2017-18	Employability & Entrepreneurship: The course is designed to skill students in creating CAD models using CAD software like CATIA
BTCS15F7450	Computer Graphics And Visualization	2017-18	skill development and employability, Entrepreneurship, Employability: Students are trained in computer graphics that lies in its applications. In engineering applications (e.g. automotive and aerospace), the ability to quickly visualize newly designed shapes is indispensable.
BTEE15F5504	Computer Network Concepts And Protocols	2017-18	Employability: The course knowledge helps in creating employability in fields of networking and improves skills of various communication protocols.
MTC1517F2410	Computer Network Engineering	2017-18	Employability: Students are familiarized with Computer Network Engineering that is very much important these days as the internet growth is growing on. As a network engineer, you can work for large companies within the technology industry as well as other businesses and organization.
BSCB16F4400	Computer Networks	2017-18	skill development and employability, Employability: Students learn to Propose efficient, cost effective, reliable and appropriate technology to establish communication links. Design an enterprise network employing the common LAN technologies and be able to evaluate the advantages and disadvantages. Configure a PC to work as a host in a TCP/IP network and to use the IP based command to facilitate the trouble shooting process. Describe the technical issues related to the Wide Area Networks and identify the common technologies available in establishing WAN infrastructure.
BTEE15F6404	Computer Organization And Architecture	2017-18	Employability: The knowledge of this course helps in creating employability as computer architect, process designer etc. with the knowledge of this course one can be able to enhance of processor performance, design of processors etc.
BRAR15F5600	Computers -ii	2017-18	skill development and employability, Employability, : Students are trained in use of 3D modelling, rendering and advanced presentation softwares for graphical representation.
BRAR15F6600	Computers iii	2017-18	Skill, Employability, : Students are trained to Use advanced software for Building visualization & Design representation. Students are able to Create good design presentations & Compositions with the help of software.
BTCE15F7800	Concrete & Highway Material Lab	2017-18	skill development, Entrepreneurship & Employability: Tests on cement: Normal Consistency, Setting time, Specific gravity of cement, Soundness by Autoclave method, Air permeability test for fineness. Tests on fresh concrete: Workability by Slump, Compaction factor and VeeBee tests.
BTCE16F4700	Concrete Technology Lab	2017-18	skill development: To learn about the properties of concrete and its applications.
MS17PH104	Condensed Matter Physics (General)	2017-18	skill development and employability: This course makes the students to learn to formulate models of lattice vibration to describe different properties of crystalline materials like electrical/optical and superconducting properties of materials.
BA.LB163400	Constitutional Law -i	2017-18	Employability, Entrepreneurship : The course provides a strong foundation in the enforcement mechanisms in the Constitution for the enforcement of fundamental rights. The course provides an opportunity for the students to analyze the importance of protection of human Rights through various judicial interpretations of the Supreme Court..
BA.LB164200	Constitutional Law-ii	2017-18	Employability, Entrepreneurship : The course is a study in the fundamentals of Constitutionalism, the branches of government, Constitutional Institutions and their interrelationships and the importance of judicial interpretations in unravelling the dynamics of institutional interrelationship in our country. It seeks to develop a range of appropriate legal skills for budding lawyers and introduce students to a range of intellectual perspectives, ideas and traditions that have influenced the development of Constitutionalism in India.
BRAR16F4820	Contemporary Architecture-Europe And Other Countries	2017-18	Skill, Employability: students are introduced to contemporary architecture of different regions of the globe.
BRAR16F4810	Contemporary Architecture-India And Rest Of Asia	2017-18	Skill, Employability: students are introduced to contemporary architecture of different regions of the globe.
BRAR16F4830	Contemporary Architecture-north And South America	2017-18	Skill, Employability: students are introduced to contemporary architecture of different regions of the globe.
MCOM16F3A40	Contemporary Areas Of Financial Accounting	2017-18	skill development and employability and Employability: Students are familiarized with concepts underlying accounting treatment and enable them to prepare book of accounts and interpret them. They practically prepare journals, subsidiary books, cash book, ledgers, trial balance and final accounts. Employability: Students are trained in system modeling, time domain and frequency domain behavior of a system. They are familiarized with stability analysis of the system, types of generic Controllers used in a plant to monitor, analyze and control any automation system, measurement system and instrumentation element and case studies. Knowledge of controllers and compensators will help them find solutions in Design field.
BTEE15F5100	Control Engineering	2017-18	Employability Skill development: Industry relevant experiments like PID controller tuning is included in experiment list. Relevant to process control industries skill development and employability: The lab experiments includes system modelling in MATLAB, verification of system behaviour in time domain and frequency domain.
BTEE15F6800	Control System Lab.	2017-18	Employability Skill development: Industry relevant experiments like PID controller tuning is included in experiment list. Relevant to process control industries skill development and employability: The lab experiments includes system modelling in MATLAB, verification of system behaviour in time domain and frequency domain.
BTME15F7100	Control Systems	2017-18	Employability Able to understand practical aspects of automation needs of automation, field of automation. Student can model the real time system into mathematical model which will helpful to design cost effective sophisticated device. Employability: Build the confidence to work in R&D Institutions or to become consultant.
BCHO16F3100	Corporate Communication	2017-18	Entrepreneurship, Employability and skill development and employability: This course provides a comprehensive introduction to corporate communications and public relations

MCOM16F420	Corporate Financial Reporting	2017-18	Employability and skill development and employability: which helps the students in analysing the cost of capital and the need for corporate financial policies and practices and the ways to adopt it in the business.
MCOM16F4A20	Corporate Financial Reporting	2017-18	Employability and skill development and employability: which helps the students in analysing the cost of capital and the need for corporate financial policies and practices and the ways to adopt it in the business.
BCOM15F5500	Corporate Risk Management	2017-18	Employability: The course provides an insight into the concept of risk involved in corporate sectors in terms of returns, currency and enables the students to learn the significance of derivatives, hedging and options.
MCOM16F3T20	Corporate Tax Planning And Management	2017-18	Employability, skill development and employability - Students understand the relevant provisions of Direct Tax Code and the practical aspects of tax planning as an important managerial decision-making process. It will provi
BCHO16F3300	Cost Accounting	2017-18	Employability and Entrepreneurship: This course examines the concepts and procedures underlying the development of a cost accounting system for managerial decisions, control, and performance reporting.
BBHO16F3200	Costing Methods	2017-18	Employability : It enable the students to understand cost accounting concept and objectives, and in depth a study of cost accounting systems and accumulation procedures and search into the elements of materials labour and factory over head cost. It also helps to analysis basic cash flow model and able assign costs in a job cost system.
BTME15F7410	Cryogenic Engineering	2017-18	Employability & Entrepreneurship: Define and identify the application of cryogenics. Design cryogenic systems and cryo vessels. Analyze the system. Demonstrate the knowledge of cryogenic instrumentation.
BTEC15F8350	Cryptography And Network Security	2017-18	Employability: Explain the difference between cryptanalysis and brute force attack. Explore the operation of substitution and transposition technique and DES. Present general structure of AES and 4 transformations. Discuss basic principles of public key cryptosystems and familiarise with following algorithms: RSA, Diffie Hellman key exchange, Elgamal cryptographic system, Elliptic curve. Summarise applications of cryptographic Hash functions, Message Authentication Codes and significance of Digital signatures. Explain issues involved in: public key distribution and analyze risks, asymmetric encryption to distribute symmetric keys, web security threats, overview of SSL, transport layer and HTTPS.
BBHO16F4600	Cyber Crimes And Cyber Laws	2017-18	skill development and employability and Entrepreneurship
BBBL15F6620	Cyber Law	2017-18	Employability, Entrepreneurship : The students learn extensively on legal framework related to Digital Signature Certificates and liability of Internet Service Providers. The course also trains students to provide legal advice to cyber law related matters in addition to making them understand IPR related matters in cyberspace.
MTCS17F2520	Cyber Security	2017-18	Employability: Students are familiarized with Cybersecurity that is important because it encompasses everything that pertains to protecting our sensitive data, personally identifiable information (PII), protected health information (PHI), personal information, intellectual property, data, and governmental and industry information systems from theft and damage attempted
MTDE17F2510	Cyber Security	2017-18	Employability: Students are familiarized with Cybersecurity that is important because it encompasses everything that pertains to protecting our sensitive data, personally identifiable information (PII), protected health information (PHI), personal information, intellectual property, data, and governmental and industry information systems from theft and damage attempted
MFA17F1100	Dance History	2017-18	Employability and skill development and employability as this subject focuses on the study of the History of Dance that in turn would enable the dancers/artist of School of Performing Arts to gain knowledge in the History and the Development of Dance from a bird's eye view. It will also inculcate the habit of reading and writing Dance and Art Papers, Journals, Blogs, Articles and Reviews for their academic betterment.
BPAL15F5600	Data Analytics	2017-18	Entrepreneurship skill development and employability, Employability: Students learn to deploy a structured lifecycle approach to data science and big data analytics projects, select visualization techniques and tools to analyze big data and create statistical models, use tools such as R and RStudio, and MapReduce/Hadoop, Understand and Work with big data platform, Analyze the Map Reduce technologies associated with big data analytics, Understand the fundamentals of various bigdata analysis techniques, and Analyze the big data analytic techniques for useful business applications. This enhances their employability skills.
BTCS15F8210	Data Analytics Tools	2017-18	Entrepreneurship, Employability: Students are trained to explain the fundamentals of R Programming Language. To apply and compare basic machine learning techniques using R for data analytics and to perform analytics and build models for real world data science problems.
MTDE17F2430	Data Analytics Using Rapid Miner	2017-18	Employability: Students are familiarized in Data Analytics using RapidMiner which is a software platform for analytics teams that unites data prep, machine learning, and predictive model deployment.
MTCS16P3302	Data And Business Analytics	2017-18	Employability: Students are familiarized with Data and Business analytics that uses data to inform decisions and improve accuracy, efficiency and response time.
BSCB16F3500	Data Base Management System	2017-18	skill development and employability, Employability: The course provides insight into data management skills which plays a viatl role in employability. Students are familiarized with SQL, which enhances their querying abilities.
MS17CS103	Data Mining And Knowledge Discovery	2017-18	Entrepreneurship skill development and employability, Employability: Students learn various conceptions of data mining , Characterize the various kinds of patterns that can be discovered by association rule mining , Evaluate mathematical methods underlying the effective application of data mining. This will enhance their employability skills.
MTDE17F1300	Data Mining Techniques	2017-18	Entrepreneursip, Employability: Students are familiarized to explain the basics of data mining techniques, data types, identify the similarity and dissimilarity between the data sets. Characterize and discriminate data sets with classification methods and to employ the clustering methods in real life problems.
MPAL16F4630	Data Science And Big Data Analytics	2017-18	skill development and employability, Employability: Students learn to analyze the HADOOP and Map Reduce technologies associated with big data analytics, design efficient algorithms for mining the data from large volumes, analyze the big data analytic techniques for useful business applications, Explore on Big Data applications Using Pig and Hive. This will enhance their employability skills.
MS17CS237	Data Warehousing And Business Intelligence	2017-18	skill development and employability, Employability: Students learn the fundamentals of business intelligence, learn to link data mining with business intelligence, apply various modeling techniques, Apply business intelligence methods to various situations and Decide on appropriate technique.This will enhance their employability skills.
BPAL15F5200	Data Warehousing And Data Mining	2017-18	skill development and employability, Employability: Students learn the various concepts behind data warehousing, business intelligence and Data mining principles. They also study various Data Mining techniques like Association, Classification and Clustering.
BSCB16F4600	Data Warehousing And Data Mining	2017-18	skill development and employability, Employability: Students learn the various concepts behind data warehousing, business intelligence and Data mining principles. They also study various Data Mining techniques like Association, Classification and Clustering This enhances their employability skills.

MPAL16F3620	Data Warehousing And Data Mining	2017-18	skill development and employability, Employability: Students learn the various concepts behind data warehousing, business intelligence and Data mining principles. They also study various Data Mining techniques like Association, Classification and Clustering. This enhances their employability skills.
BSCB16F3800	Dbms Lab	2017-18	skill development and employability, Employability: The course provides insight into data management skills which plays a vital role in employability. Students learn to design, create and query the database.
MS17CS227	Deep Learning	2017-18	skill development and employability, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.
BSCB16F4500	Design And Analysis Of Algorithm	2017-18	skill development and employability, Employability: Students learn the following skills which enhances their employability opportunities. Understand the fundamental principles underlying algorithm analysis and design and be able to apply them in specific instances. Understand Asymptotic notations and apply them to simple methods, including methods that utilize complex loops and recursion; Analyze run-time execution of previous learned sorting methods, including selection and merge sort; Implement and analyze insertion sort and Quick sort. Understand essential algorithm design techniques such as divide-and conquer, dynamic programming and the greedy methods and many of its applications.
BSCB16F4700	Design And Analysis Of Algorithms Lab	2017-18	skill development and employability, Employability: Students learn the following skills which enhances their employability opportunities. Understand the fundamental principles underlying algorithm analysis and design and be able to apply them in specific instances. Understand Asymptotic notations and apply them to simple methods, including methods that utilize complex loops and recursion; Analyze run-time execution of previous learned sorting methods, including selection and merge sort; Implement and analyze insertion sort and Quick sort. Understand essential algorithm design techniques such as divide-and conquer, dynamic programming and the greedy methods and many of its applications.
BTCE15F7200	Design And Drawing Of Rcc Steel Structures	2017-18	skill development & Employability: To learn about the general layout of buildings and detailing of staircase and column footings. To design and detail cantilever type retaining walls, circular and rectangular water tanks resting on ground.
BTME15F7800	Design Laboratory	2017-18	Skill development and Employability: Define frequency, critical speed and terminologies used in the dynamics of the machines. Determine the stress and strain in the component. Analyze the governors. Define stress concentration and its importance and determine the stress concentration factor.
MT17VS201	Design Of Analog Cmos Integrated Circuits	2017-18	Employability, skill development and employability: The basic operation of MOS devices and analyzing the analog CMOS subsystems is covered in the course. The knowledge of design of OPAMP is also covered.
MTP17VS202	Design Of Analog Cmos Integrated Circuits	2017-18	Employability, skill development and employability: The basic operation of MOS devices and analyzing the analog CMOS subsystems is covered in the course. The knowledge of design of OPAMP is also covered.
BTCE15F7510	Design Of Bridges & Water Tanks	2017-18	skill development: To learn about the various types and components of bridges, IRC standards. To perform hydraulic design and structural design of substructures and foundations
BTEE15F5601	Design Of Electrical Machines	2017-18	Employability: The course is an introduction to computer aided electrical drawing. It provides a basic knowledge constructional features and design procedure for various rotating and static machines. This course will be helpful in undertaking mini projects and later on in finding the solutions for major design problems.
MTMD17F142	Design Of Experiments	2017-18	Employability & Entrepreneurship: Identify the various controllable & uncontrollable factors on the design of experiments, and apply the Experiment Design Using Taguchi's Orthogonal Arrays
BTCE15F7310	Design Of Precast & Pre-Stressed Concrete Structures	2017-18	skill development and employability: To have working knowledge of the principles, construction practices and methods of analysis and design of precast concrete and prestressed concrete structures.
17JM103	Development Communication	2017-18	Employability and skill development and employability: Students learn explore the process of communication and study the various models of communication and use them in their work place. They develop to analyze the process, models and levels of communication and assess the various types of mass media.
BTEC15F8240	Device Driver Programming	2017-18	skill development and employability: Understand the essentials of Linux device drivers. Know practical experience in developing Linux device drivers. Understand and develop device drivers for character devices, block devices and network devices.
MS17MT424	Differential Geometry	2017-18	Skill Development and employability: In this course Students will discuss the basic concepts of geometry of curves and surfaces in Euclidean space and properties and geometric interpretation of some quantities. It explain calculus on surfaces and computational techniques for the curvatures and special curves in a surface.
BTEC15F8320	Digital Audio & Video Broadcasting Systems	2017-18	Employability: To understand the benefits of simulation and modeling in a range of important application areas. To study simulation software to understand event-scheduling, Time-advance algorithm in computer networks. To study the Essentials of Probability and Random Process. To understand Discrete Event Stochastic Models and Queuing Models. To learn the concepts of simulation for the various layers.
MBAD16F22C2	Digital Marketing	2017-18	Employability and skill development and employability: Students learn the basic concept of digital information processing and making right decision. This will enhance their employability skills and will also make them a good manager.
BTEE15F6602	Digital Signal Processing	2017-18	Employability: Students can work in a number of fields including communication industries, music industries, manufacturing, defense, biomedicine, image processing etc they might work for private engineering firms.
BTEE15F5503	Digital System Design Using Vhdl	2017-18	Employability: This subject helps students gain knowledge of describing any hardware system. With the knowledge of this subject students can able to develop application specific integrated circuit.
BSCB16F3100	Discrete Mathematical Structures With Graph Theory	2017-18	skill development and employability, Employability: Students learn the basic knowledge of set theory, functions and relations concepts needed for designing and solving problems. Acquire the knowledge of logical operations and predicate calculus needed for computing skill. Apply the acquired knowledge of graph theory to design discrete problems to be solved by computers. This will enhance their employability skills.
MT17VS4100	Dissertation	2017-18	Employability, Entrepreneurship and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
MTDC16F4100	Dissertation	2017-18	Employability, Entrepreneurship and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain

MS17CS117	Distributed Algorithm Design	2017-18	Employability and skill development and employability: Students learn special and frequency domain processing, image modalities, sensing, acquisition, sampling, and quantization, image noise models, spatial filter operations, frequency domain transformations, Implement frequency domain filters, Implement and Apply segmentation algorithms, edge detection techniques, corner and interest point detection algorithms and morphological operations. This will enhance their employability skills.
MTPE16F312	Dsp For Power Electronic Drives	2017-18	Employability: Students were trained on commercial power supply controller ICs and its configurations. Reference designs were taken up from application notes. Students were encouraged to replicate the design both in simulation and hardware. Many of the auxiliary components in a practical power supply were dealt with(TL431, protection features in power supply, ADC,DAC, PLC)
BCOM16F3700	E Commerce	2017-18	Employability and skill development and employability: The students are given the practical knowledge with regard to various practices that can ensure safe and secured E-Commerce practices.
BTCE15F8430	Earthquake Geotechnical Engineering	2017-18	skill development:To create an understanding basic concepts of elementary earthquakes as applied to seismic design of structures; parameters influencing the seismic design; hazards associated with an earthquake
BTCE15F8540	Earthquake Resistant Design Of Structures	2017-18	skill development and employability:To create an understanding basic concepts of elementary earthquakes as applied to seismic design of structures; parameters influencing the seismic design; hazards associated with an earthquake
MPAL15F5420	E-Business Using Agile Methodology	2017-18	Skill development and employability, Employability: Students learn to implement various applications of simulations, General Principles and Simulation Software, Statistical Models and Random-Number Generation, I/O Modeling, implement Verification and validation of different models. This will enhance their employability skills.
MCOM16F4T30	E-Filing Of Returns	2017-18	Employability : Students learn the conceptual and practical knowledge about E- Filing of returns.
BTEE15F8520	Electrical Energy Conservation(Oe)	2017-18	Employability: Students are known about Energy conservation that plays a very important role because utilization of non-renewable resources also impacts our environment.
BTEE15F5800	Electrical And Electronics Measurements Lab	2017-18	Employability and skill development : This focused on the principle and operation of measuring instruments that are used in design and configuration of automated systems in electrical, pneumatic domains etc. Instrumentation engineers are commonly responsible for integrating the sensors with the recorders, transmitters, displays or control systems. They may design or specify installation, wiring and signal conditioning. They may be responsible for calibration, testing and maintenance of the system.Can work in a number of fields including manufacturing, defense, biomedicine, and government.
BTEE15F5502	Electrical Drives	2017-18	Employability:Advanced motor control techniques(vector control, DTC etc) are helpful in Electrical Drives Industry.
BTEE15F5400	Electrical Machines - II	2017-18	Employability: Student at UG level could develop the skills such as to read the specification and datasheets of various electrical machiner and to analyse the faults with the subject knowledge under different operating condition. student also would be eligible for direct recruitment by industries if they clear gate and they industry relevant exams. It would also build the students confidence and also build their presentation and communication skills as a technical person.
BTEE15F5700	Electrical Machines Laboratory I	2017-18	Employability:Knowledge of testing of electrical machines helps to work in various process industries.
BTEE15F6700	Electrical Machines Laboratory II	2017-18	Employability and Skill development:Knowledge of testing of electrical machines helps to work in various process industries and power plants.
BTEE15F5501	Electrical Power Utilization	2017-18	Employability: This course provides in-depth knowledge of the key component technologies within electrical traction and forefront of research in electrical power engineering. Graduates can work across the globe in a variety of roles including: Electrical Traction Engineer, Electrical Engineer, Traction system engineer, Maintenance Engineer, Employers include Indian railways, GE, ALSTOM.
MS17PH203	Electrodynamics	2017-18	skill development and employability: Students learn to apply reasoning skills to model and solve problems related to electrostatics, magneto statics and analyse wave guides and Electromagnetic radiation by using concepts of electrostatics, magneto statics and Maxwell's equations
MS17PH103	Electronic Devices	2017-18	skill development and employability and Employability: Students learn working and fabrication techniques of semiconductor devices , linear integrated circuits and optoelectronic devices and develop the prototypes of electronic devices.
MS17PH215	Electronics I(Digital Electronics)	2017-18	skill development and employability & Employability:
MS17PH107	Electronics Lab	2017-18	skill development and employability: Students learn to analyse, verify and design amplifier circuits and voltage regulator and regulated power supply.
MTTE15F3430	Elements Of Road Safety(Oe)	2017-18	skill development and employability: Students are acquired knowledge on road safety measures. Physical protection is important for protecting sensitive building and pedestrian areas.
MTC15F72630	Embedded Computing Systems	2017-18	Employability: Students are trained to explain the basics of embedded systems and design embedded systems. Design and Develop Internet-of-Things based applications.
BTEC15F7330	Embedded Systems	2017-18	skill development and employability,Entrepreneurship,Employability: Students learn about the embedded system components, memory, communication interfaces and other firmware components. They understand the quality attributes, hardware and software co-design, computational models in embedded systems, unified modelling languages etc. They build firmware system and firmware development languages.
BTEE15F6403	Embedded Systems And Iot	2017-18	Employability and skill development :Design and Develop Internet-of-Things based applications, Students can develop prototypes of Internet-of-Things based applications and deploy for the usage of the community. Students can learn the Integrate sensing, actuation and software
BTEC15F7800	Embedded Systems Design Lab	2017-18	Employability,skill development and employability: To understand and implement the concepts of embedded system. To write the programs on threads, process individually and execute them.
BRAR15F5300	Energy Efficiency In Buildings	2017-18	Skill, Employability: Students are trained to utilize passive design strategies. Students get an overview of green building rating systems and their significance. Students are trained to apply the techniques learnt through software.
BTME15F7430	Engineering Economics & Financial Management	2017-18	Employability & Entrepreneurship: Calculate NPV, NPW, EAW and compare and select best project. Calculate EMI, internet and IRR to understand time value of the money. Prepare budget, financial ratio's etc.,
MFA17F2200	English & Communications - II	2017-18	skill development and employability as this subject will enable the dancers/artist of School of Performing Arts develop their basic communication skills in English.
MFA17F1200	English & Communications- I	2017-18	skill development and employability as this subject will enable the dancers/artist of School of Performing Arts develop their basic communication skills in English.
17JE105	English Literature & Facets Of Language - I	2017-18	Employability: Students develop literary sensibility and the course enhances the skills in the usage of creative writing
17JE204	English Literature & Facets Of Language -II	2017-18	Employability: Students develop literary sensibility and the course enhances the skills in the usage of creative writing
17F2100	English Literature -II (From Romantic Age To 20th Century British Literature)	2017-18	Employability: Students are familiarized with the British intellectual tradition and are able to assess the creative responses to political, societal, religious and cultural changes that take place from the pre-Romantic era to the Modern era.

MPAL15F5430	Enterprise Application Integration	2017-18	skill development and employability, Employability: Students learn to implement various applications of simulations, General Principles and Simulation Software, Statistical Models and Random-Number Generation, I/O Modeling, implement Verification and validation of different models. This will enhance their employability skills.
MPAL16F3630	Enterprise Resource Planning	2017-18	skill development and employability, Employability: Students learn the various concepts behind data warehousing, business intelligence and Data mining principles. They also study various Data Mining techniques like Association, Classification and Clustering. This enhances their employability skills.
BBAD15F5200	Entrepreneurship Development	2017-18	Entrepreneurship, Employability: The students learn to understand the basic concepts of entrepreneurship and preparing a business plan to startup a firm. They develop the awareness of how to generate idea, develop business plan and get the funding to start up an enterprise. This enhances their employability and entrepreneurial skills as well as intent.
BCOM15F6100	Entrepreneurship Development	2017-18	Employability, Entrepreneurship and skill development and employability: The course provides a detailed information regarding developing an enterprise and skills that has to be incorporated in an entrepreneur.
MSBT16F4200	Environmental Biotechnology Lab	2017-18	Employability, skill development: The student will be equipped with techniques and skills required to assess the pollution with regard to air, water and soil pollution caused by the industries.
BTCE15F8520	Environmental Geotechnology	2017-18	skill development: To create an ability to understand the sources and types of contaminations that are responsible for surface and subsurface contamination; to analyze and interpret data related to the remediation techniques
MSBT16F4100	Environmental Biotechnology	2017-18	Employability, skill development: The student will be equipped with techniques and skills required to assess the pollution with regard to air, water and soil pollution caused by the industries. Gain the knowledge to come up with ideas to prevent the pollution.
17JM105	Environmental Communication	2017-18	Employability and skill development and employability: Students learn the various aspects of environmental related issues and developments and use them in their work place. They develop to report environment development stories for various media houses
BTCE15F7900	Environmental Engineering Lab	2017-18	skill development and employability: To learn about determination of Alkalinity, Acidity, pH, Jar test for optimum dosage of alu, Determination of fluoride, Determination of chlorides
BTCE15F7550	Environmental Impact Assessment	2017-18	skill development :This course provides instruction in the theory and methods of environmental impact assessment (EIA). Gain a critical understanding of the use, strengths, and limitations of EIA, and develop working familiarity with EIA methods and analytic techniques.
BRAR16F3600	Environmental Studies	2017-18	Entrepreneurship: Students are trained in different ways for protecting the environment.
BSCB16F1500	Environmental Studies	2017-18	Employability and skill development and employability: Students are familiarized with environmental issues as how to conserve, preserve our Environment.
BRAR15F6300	Estimation And Costing	2017-18	Skill, Employability, : student is trained to write specifications for various items of civil works with a view of controlling quality of work executed at site. Students can advise prospective clients on project viability and monitor/ control project cost.
BBHO16F3700	Ethical Values For Business	2017-18	Entrepreneurship : The course develops students in areas of ethical decisions which will bring development in society as large.
BBBL15F5300	Family Law - ii	2017-18	Employability, Entrepreneurship : The course concentrates on various aspects of Islamic law including family law, gifts, wakfs and some other areas of law such as succession, Indian Divorce Act and Special Marriage Act.
BA.LB164100	Family Law-I	2017-18	Employability, Entrepreneurship : The students learn hindu law and its philosophy with special emphasis on the legal principles in connection with hindu marriage and divorce, inheritance and succession to property, guardianship, maintenance and adoption.
BBAD15F6300	Final Dissertation Project	2017-18	Employability
MCOM16F3F20	Financial Derivatives	2017-18	Employability, skill development and employability : Students will Understand effect of financial leverage on firm value with corporate and personal taxes – trade of theory – effect of financial distresses
MCOM16F3A30	Financial Statement Analysis	2017-18	Employability: This course covers current practices in corporate financial reporting and fundamental issues relating to asset valuation and income determination. The emphasis is on financial statement analysis and interpretation of financial disclosures to help improve risk assessment, forecasting, and decision-making.
BR17AR207	Fine Arts / Applied Arts -Ii	2017-18	skill, employability, : students are given training in basic skills and creative use of various materials for model making and learn to make architectural models to scale.
BTCE15F8310	Finite Element Analysis	2017-18	skill development: To learn about basic concepts, principles, advantages and disadvantages of FEM
MTMD17F241	Finite Element Analysis	2017-18	Employability & Entrepreneurship: The course is intended to impart the skills of FE formulation of dynamic problems, non linear and thermal systems.
MS17MT215	Finite Element Method	2017-18	Skill development and employability : This course illustrates about different finite element methods in one, two and three dimensions and Analyze variety of finite elements as per the requirements of solutions of differential equations
BTCE16F3800	Fluid Mechanic Lab	2017-18	skill development: To understand the properties of fluid, types of fluid and types of flow. To study about the flow measuring devices such as orifice meter, venturimeter.
MS17MT225	Fluid Mechanics	2017-18	Skill development & Employability: To learn about properties of fluids, Pressure and its Measurement, Types of fluid flow, Concept of flow net, Bernoulli's Equation and its applications. Impulse momentum principle and its applications. This course helps the student to analyze the fluid models and different physical situations. This creates R&D skills in the students,
BT16F1720	Food Science & Technology	2017-18	Employability, skill development and employability and entrepreneurship : The students will learn the techniques and skills required for the food industry and ideas to increase the shelf life of the foods.
MSBC16F3400	Food Technology	2017-18	Skills and Employability: Analyze nutrients, food quality and manage diseases using diet therapy, Acquire skills to establish a food service outlet. Entrepreneurship: Formulate environment friendly innovative food products
MSBT16F2720	Forensic Biology	2017-18	Employability and skill development and employability : The student will learn the skills and techniques to solve the criminal cases to provide justice to the clients.
BTCE15F7430	Foundation Engineering In Difficult Ground	2017-18	skill development: To learn about design of Shallow foundations and its types
MTV515P4230	Fpga Based Embedded System Design	2017-18	Employability, skill development and employability: Understanding the FPGA design flow. Building the various digital system sub blocks using HDL. Performing the timing analysis, power analysis and area analysis with respect to the FPGA platform
MS17MT303	Functional Analysis	2017-18	Skill development and employability: This course will understand the concepts of linear transformation, isomorphism, normed linear space and Banach space, familiarize about open mapping theorem, closed graph theorem and understand the concepts of Hilbert spaces, Schwarz inequality, conjugate space, finite dimensional spectral theory, boundedness theorem.
17JM235	Fundamentals Of Photography	2017-18	Employability and skill development and employability: Students learn the various levels of research in mass media fields and in their work place. They develop to analyze the process research from the topic selection to completion of the research

MS17MT416	Fuzzy Set & Fuzzy Logic	2017-18	Skill Development and Employability: will study the fuzzy sets, basic operation on fuzzy sets, inverse and image fuzzy operations, will study fuzzy relation and fuzzy graph, will read and analyse the fuzzy sets and fuzzy logic on possibility theory and probability theory.
MS17PH106	General Physics Lab I	2017-18	skill development and employability: Students learn to determine physical parameters experimentally and analyze the concepts of physics through experiments.
MS17PH206	General Physics Lab II	2017-18	skill development and employability and Employability: This course makes the student to explore and the fundamental physics behind many scientific discoveries through hands on experience and employ the different tools and techniques to get the data/readings related to the experiment
MSBT16F3200	Genetic Engineering	2017-18	Employability, skill development and employability and entrepreneurship: Student will learn the techniques in molecular biology to modify or to edit the genes and modify the genes and cater services to healthcare and etc
MSBT16F4310	Genomics And Proteomics	2017-18	Employability, skill development and employability and entrepreneurship: the Student will be equipped with techniques and skills to assess the genomes to identify and explore the possibilities to treat diseases in plants and animals.
BTCS15F8100	Global Certification Program-1	2017-18	skill development and employability: Students are trained and received the certifications on latest technologies that will help them in building their career.
BTCS15F8200	Global Certification Program-2	2017-18	skill development and employability: Students are trained and received the certifications on latest technologies that will help them in building their career.
BCOM15F5A13	Goods And Service Tax	2017-18	Employability and skill development and employability: it provides an introduction to, and overview of, fundamental concepts of GST law. Topics include Introduction to GST, CGST, SGST and IGST. Also computation of total output tax liability. student can become Tax consultant.
BCOM16F4A12	Goods And Service Tax	2017-18	Employability and skill development and employability: it provides an introduction to, and overview of, fundamental concepts of GST law. Topics include Introduction to GST, CGST, SGST and IGST. Also computation of total output tax liability. student can become Tax consultant.
MS17MT203	Graph Theory	2017-18	Skill development and employability: Explain cliques, matchings, covers in graphs, illustrate the different types of graphs viz. Hamiltonian and Eulerian, Analyse problems involving Trees and its applications, Model real world problems in the form of algorithmic steps using graph theory. This course will provide teaching opportunities in academic institutions and R&D.
BTEC15F8250	Grid Computing	2017-18	skill development and employability, Employability: The course provides evolution of Grids in the context of processor- and data-intensive applications. Students are familiarized with the fundamental components of Grid environments, such as authentication, authorization, resource access, and resource discovery.
MTCS16P4220	Grid Computing	2017-18	Employability: Students are familiarized with Grid computing that enables the virtualization of distributed computing resources such as processing, network bandwidth, and storage capacity to create a single system image, granting users and applications seamless access to vast IT capabilities.
MTDE17F2610	Healthcare Analytics	2017-18	Employability: Students are familiarized with Healthcare analytics can help organizations bring together clinical, financial, and operational data to determine the efficiency of their processes, the state of their patients, and the effectiveness of their programs.
MS17CH125	Heterocyclic Chemistry	2017-18	skill development and employability: Acquire the knowledge of synthesis and reactions of heterocyclic compounds, different types of proteins and study of biological importance of DNA and RNA.
BTCS15F7320	High Performance Computing	2017-18	Employability: Students are familiarized with High Performance Computing that is important because the researchers and makers who have problems to solve that will not fit in a simple computer or be solved in a timely manner by a simple computer are generally modelling really big problems and testing for potential solutions to those problems.
BTEE15F6200	High Voltage Engineering	2017-18	Employability: Modelling of power system and fault analysis some of the potential areas for employment for Power engineers
BRAR15F58300	Housing	2017-18	skill development and employability: students are trained in vernacular architecture as a process and the various approaches and concepts to the study of vernacular Architecture. They are trained in various vernacular architecture forms in the various regions of the country and the impact of Colonial rule on the vernacular architecture of India.
BTCS15F7510	Human Computer Interaction	2017-18	Employability: Students are familiarized with Human-Computer Interaction, often called HCI, which is a sociotechnological discipline whose goal is to bring the power of computers and communications systems to people in ways and forms that are both accessible and useful in our working, learning, communicating, and recreational lives.
MTDE17F2620	Human Computer Interaction	2017-18	Employability: Students are familiarized with Human-Computer Interaction, often called HCI, which is a sociotechnological discipline whose goal is to bring the power of computers and communications systems to people in ways and forms that are both accessible and useful in our working, learning, communicating, and recreational lives.
MTCS17F2620	Human Computer Interaction (Ui/Ux Design)	2017-18	skill development and employability: Students learnt prototyping on paper, tools like invision, POP, FluidUI, Sketch and the best practices in prototyping and UI/UX design.
BCHO16F4400	Human Resource Management	2017-18	Employability and Entrepreneurship: This course provides students an introduction to the various functions of human resource management, including compensation and benefits, staffing, recruitment and selection, research, labour relations, training and development, health and safety, planning, mediation and arbitration
BCOM16F3400	Human Resource Management	2017-18	Employability: The students are trained on how an organization acquires, rewards, motivates, uses, and generally manages its people effectively. They also learn basic legal and conceptual framework required for managers, practices and techniques for evaluating performance, structuring teams, coaching and mentoring people, and performing the wide range of other people related duties of a manager in today's increasingly complex workplace.
BTCE16F4600	Hydrology And Irrigation Engineering	2017-18	skill development & Employability: To learn about the precipitation and related losses of water, concept of hydrographic and runoff.
MPAL15F5520	Ibm Mainframes	2017-18	skill development and employability, Employability: Students learn to create the information policy for organization and implement various security components in the network. This will enhance their employability skills.
MS17CS137	Image Processing	2017-18	Employability and skill development and employability: Students learn special and frequency domain processing, image modalities, sensing, acquisition, sampling, and quantization, image noise models, spatial filter operations, frequency domain transformations, Implement frequency domain filters, Implement and Apply segmentation algorithms, edge detection techniques, corner and interest point detection algorithms and morphological operations. This will enhance their employability skills.
MTCS16P4130	Image Processing	2017-18	Employability: Students are familiarized with image processing that is to improve the quality of image and subsequently to perform features extraction and classification. It is effectively used in computer vision, medical imaging, meteorology, astronomy, remote sensing and other related field.
BBAD15F5300	Income Tax	2017-18	skill development and employability, Employability: The students will be able to demonstrate knowledge of the concepts, principles and rules of taxation of individuals and small business, prepare tax forms for individuals and sole proprietorships, address tax situations for a variety of taxpayers, such as wage earners, sales persons, owners of small business, professionals, investors, home and rental property owners, farmers etc.
17JE103	Indian Constitution And Human Rights	2017-18	skill development and employability: Students learn to analyze complex problems, find and deploy a variety of legal authorities, and communicate effectively in a variety of settings.

BCOM16F3600	Indian Constitution And Human Rights	2017-18	skill development and employability: it provides basic information about Indian constitution, and identify individual role and ethical responsibility towards society. A brief study will be done by the students about the Constitution of India.
BBAD15F5400	Indian Economy	2017-18	Employability, Entrepreneurship : The course is introduce the student to the basic understanding of state level economy and measurement of various macro-economic variables at state level. It is also to provide the students an analysis of the economy at a micro level in variours sectors.
BCOM15F5300	Indian Financial System	2017-18	Employability Entrepreneurship and skill development and employability: the course provides the knowledge and the practical application of various aspects that are required to deal in various markets and the role of various financial and non financial institutions that supports the development of various sectors in the society.
17F1500	Indian Writings In English - I	2017-18	skill development and employability: Understanding of rich heritage of India through literature in English and lietrature in English acquiring a character of its own with strong sense of nationalism,refines communication through lietrature and informational literacy too.
17F2300	Indian Writings In English - li	2017-18	skill development and employability: Understanding of rich heritage of India through literature in English and lietrature in English acquiring a character of its own with strong sense of nationalism,refines communication through lietrature and informational literacy too.
BTME16F7610	Industrial Automation & Production System(Oe)	2017-18	Employability: Evaluate the product and production relationships. Understand the cost of manufacturing operations. Involve in the design of transfer mechanisms that may be need for work part transfer in manufacturing sector. Evaluate the utilization and availability of the infrastructure in the automated production line (APL). Employability: can work in environment like Group Technology(GT), Bar code systems, Lean manufacturing, JIT, Agile manufacturing. Implement the concept of Line balancing. Understand the modern automated industries requirements.
MSBC16F4600	Industrial Biochemistry	2017-18	Employability, Entrepreneurship & Skill development and employability :Acquire knowledge about basics of nano scale, nano particles and nanomaterials, industrial application of nanoparticles, synthesis of nanoparticles, application of nanoparticles in medical field .To Illustrate the manufacture of fermenters and to execute efficient fermentation process.Understand the detailed mechanism of vaccine preparation.
BTME15F7620	Industrial Engineering(Oe)	2017-18	Employability: Students are trained on Industrial engineering that is important to finding the answers to many important problems in manufacturing, distribution of goods and services, health care, utilities, transportation, entertainment, and the environment.
MS17CH311	Industrial Inorganic Chemistry -iii	2017-18	skill development and employability, enterprenrship and employability : Aquire the knowledge about the production of commercial products. Ability to solve the problems related to the production process, evaluation of environmental issues pertaining to industry.
BTCE15F8330	Industrial Waste Water Treatment	2017-18	skill development and employability: To learn about Effect of industrial effluents on streams,Various tertiary treatment unit operations, Combined treatment feasibility, Treatment of selected industrial waste.
MPAL15F5530	Information And Network Security	2017-18	skill development and employability, Employability: Students learn to create the information policy for organization and implement various security components in the network.This will enhance their employability skills.
MTCS16P4230	Information And Network Security	2017-18	skill development and employability, Employability: Students are trained in Information and network security with the following roles: Protecting the organisation's ability to function, Enabling the safe operation of applications implemented on the organisation's IT systems, Protecting the data the organisation collects and uses, and Safeguarding the technology the organisation uses.
MS17CS234	Information Storage Management	2017-18	skill development and employability, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.
BTEC15F7100	Information Theory And Coding	2017-18	Employability,skill development and employability: To equip students with the fundamental concept of information theory and entropy. Understand various source coding techniques.To familiarize with the reliability of data transmission using error-control coding techniques. To build procedures for designing efficient coding schemes for controlling various types of errors in digital communication system.
MCOM16F4100	Innovation And Entrepreneurship	2017-18	Employability and Entrepreneurship enhancement by writing project proposal
MS17CH101	Inorganic Chemistry I	2017-18	skill development and employability: Understand the basic principles of periodicity and chemical bonding, chemistry of nonaqueous slovents, hybridization concept for the diatomic molecules, HSBA conceit in the formation of compounds.
MS17CH201	Inorganic Chemistry li	2017-18	skill development and employability and employability : Acquire the knowledge of physical chemistry techniques such as surface phenomenon of solid and liquid interfaces(kinetics) homo and heterogeneus catalysis.Acquire the knowledge and skill of instruments like conductivity,pH meter ,potentiometry.
BCHO16F3500	Insurance And Risk Management	2017-18	Employability: This course is designed to familiarize the overview of insurance company operations and regulation of the insurance industry.
MCOM16F4A40	International Accounting	2017-18	Employability, Entrepreneurship and skill development and employability: forex markets, international Parity conditions, forex risks, currency derivatives and hedging issues, issues with currency investment strategies, issues with cross border financing decisions and cross border investment decisions. student can also become stock broker.
BBAD15F5100	International Business	2017-18	Employability, Entrepreneurship: The course facilitates the students to develop the understanding of the concept, importance and dynamics of international business and India's involvement with global business operations. Students learn about the modes of internationalisation, international finance and also the detailed procedure of exporting and importing as per the EXIM policy of India. This endows them with entrepreneurial skills as well, as they get ideas of starting their own business through some modes of internationalization.
BBHO16F4200	International Business	2017-18	Employability, skill development and employability,: Students are introduced to various strategies adopted by the companies to run their business sucessfully and students also learn the skills to decipher and develop strategies for business.They analyse through various case studies and group discussion
BA.LB164500	International Business Law	2017-18	Employability : The course provides an understanding of multilateral, regional and bilateral treaties in addition to the legal framework regarding the formation of international regulatory regimes governing the world economy, the specific norms and rules within each regime, the rules and procedures of each organization .
BBAD15F5F30	International Financial Management	2017-18	skill development and employability: Students gain an in-depth knowledge of the working of international financial markets, mechanism of Forex market, Forex market intermediaries, measurement of foreign exchange risk and managing risk through internal and external techniques. They develop the skills of forecasting foreign exchange rate and valuation of futures, options and swaps.

MBAD16F33F2	International Financial Management	2017-18	skill development and employability: Students gain an in-depth knowledge of the working of international financial markets, mechanism of Forex market, Forex market intermediaries, measurement of foreign exchange risk and managing risk through internal and external techniques. They develop the skills of forecasting foreign exchange rate and valuation of futures, options and swaps.
MCOM16F4F10	International Financial Management	2017-18	Employability - It will provide an understanding of the international economic and financial environment. It helps them to evaluate international projects and capital budgeting
BCOM15F5A14	International Financial Reporting Standards	2017-18	skill development and employability: Students will be able to know the need of adopting an uniform accounting standards which are acceptable through out the world.
BBAD15F5H30	International Human Resources Management	2017-18	Employability: Students learn about the concept, importance and functions related to managing employees in MNCs and in international setting. They gain awareness about various approaches adopted in international scenario in human resources management and their practical implications. Students become aware as to how to manage international employees in MNCs through various IHRM practices. This improves their employability skills in people management.
MCOM16F3T30	International Taxation	2017-18	Employability: This course provides an introduction to taxation in India. It helps to gain knowledge about the Indian Taxation System.
BTCS15F7220	Internet Computing And Applications(Oe)	2017-18	Employability, Entrepreneurship and skill development and employability: To examine the analysis, design and implementation techniques required to develop the network, enterprise and Internet based information systems. It also helps in managerial perspective of Internet Computing and impact of evolving technology for enterprise e-solution.
MT17VS134	Internet Of Things- Practical Approach	2017-18	employability, skill development and employability: Understanding the basics of IOT. Analysis of various protocols and topologies involved in IoT. Designing the IoT for real time application
MTP17VS133	Internet Of Things- Practical Approach	2017-18	employability, skill development and employability: Understanding the basics of IOT. Analysis of various protocols and topologies involved in IoT. Designing the IoT for real time application
MS17CS235	Internet Of Things	2017-18	skill development and employability, Employability: Students learn the basics of IoT, key application domains of IoT, programming in IoT and the intricacies involved in an IoT project. This will enhance their employability skills.
MTC17F2300	Internet Of Things	2017-18	Employability: Students are trained to explain the basics of embedded systems and design embedded systems. Design and Develop Internet-of-Things based applications.
MTC17P2300	Internet Of Things	2017-18	Employability: Students are trained to explain the basics of embedded systems and design embedded systems. Design and Develop Internet-of-Things based applications.
MTDE17F2410	Internet Of Things	2017-18	Employability: Students are trained to explain the basics of embedded systems and design embedded systems. Design and Develop Internet-of-Things based applications.
MTDC16F3110	Internet Of Things - Practical Approach	2017-18	Entrepreneurship & Employability: To analyze basic protocols in wireless sensor network and design IoT applications in different domain and be able to analyze their performance and Implement basic IoT applications on embedded platform
BTCS15F8400	Internship	2017-18	skill development and employability, Employability: Students will under-go Internships and volunteer experiences make candidates more competitive in the job market. In addition to gaining exposure and experience in the field, they also provide an opportunity to see if the particular career field is the right one based on getting personal experience in the field.
MTDC16F3400	Internship / Mini Project	2017-18	Employability, Entrepreneurship and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
17JE206	Internship / Practice / Club Activity	2017-18	Employability and skill development and employability: Students learn the various levels of Radio program production techniques and use them in their work place. They develop to analyze the process of scripting, Radio Jockeying and sound editing aspects.
MTVS15P5200	Internship/Mini Project	2017-18	Employability, Entrepreneurship and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
MS17CS214	Introduction To Web Technologies	2017-18	skill development and employability, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.
MTDE17F3100	Introduction To Cloud Computing And Data Science(Oe)	2017-18	Entrepreneurship & Employability: Students can able to typically analyze different types of data that are stored in the Cloud. Also, can able to work with huge datasets in depth.
MS17CH115	Introduction To Nano-Science And Nanotechnology - I,1	2017-18	skill development and employability: Acquire the knowledge of nanotechnology and nanomaterials and their characterization techniques. Importance of nanomaterials in various applications.
BBAD15F5F40	Investment & Portfolio Management	2017-18	skill development and employability and Employability: Students are made to be familiarized with concepts underlying investment management.
BBBL15F6400	Investment And Competition Law	2017-18	Employability, Entrepreneurship : The course provides detailed analysis of national legislations such as Securities Contracts (Regulation) Act, SEBI Act, Depositories Act and Competition Act. The students are trained on central topics of Indian investment law and the approach of legal frameworks and regulating authorities of investments in India alongwith the current state of investor protection in India. The students also learn the concepts related to competition law such as abuse of dominant position, predatory pricing, anti-competitive agreements and the role of Competition Commission of India.
BCHO16F4200	Investment Management	2017-18	Employability, Entrepreneurship and skill development and employability: Students Learn about Financial markets and instruments, investment strategies. Apply standard models of financial economics to problems of portfolio optimization, diversification, immunization, and risk management. This course explores the theory and practice of investments, covering the topic areas of capital market structure, valuation, security analysis and portfolio management.
MFA17F2420	Items -- Bharathanatyam -(Javali And Padam) Practical 2	2017-18	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
MFA17F1420	Items -Bharathaatyam - (Shabdham, Kriti) -Practical 2	2017-18	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.

MFA17F2320	Items- Bharathanatyam- (Varnam (Pada Or Tana), Thillana) - Practical - 1	2017-18	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
MFA17F1410	Items -Kuchipudi - (Poorvarangam, Shabdham, Ramadasu/Annacharya Keertana) - Practical -2	2017-18	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
MFA17F2310	Items- Kuchipudi- (Tarangam, Keertana / Kriti, Thillana) - Practical - 1	2017-18	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
MFA17F2410	Items-Kuchipudi- (Ashtapadi, Javali, Padam) - Practical - 2	2017-18	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
MBAD16F3100	Itm & Business Analytics	2017-18	Employability & skill development and employability: Students gain the knowledge of basic concepts of information technology & systems required to be setup in organizations. Students develop required skills in understanding, maintaining & usage of applications of various information systems in business decisions.
BPAL15F5300	Java Programming	2017-18	Entrepreneurship skill development and employability, Employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of different data types, operators and control flows in Java Programming, classes, objects, inheritance and applets. Students are familiarized with string handlings, exception handling, packages and interfaces. <u>This will enhance their employability skills.</u>
BPAL15F5700	Java Programming Lab	2017-18	Entrepreneurship skill development and employability, Employability: The course provides strong foundation for "object Oriented Programming Language (OOPL)" and facilitate understanding of different data types, operators and control flows in Java Programming, classes, objects, inheritance and applets. Students are familiarized with string handlings, exception handling, packages and interfaces.
17JE104	Journalism - I (Introduction To Media & Communication)	2017-18	Employability and skill development and employability: Students learn the basic aspects of communication and media. It help them to understand the better way of perceiving information.
17JE203	Journalism - II (Reporting & Editing)	2017-18	Employability and skill development and employability: Students learn the various aspects of reporting and editing techniques in various media platforms. They develop to analyze the process of reporting and editing techniques for print and electronic media
BA.LB164400	Jurisprudence-I	2017-18	skill development and employability : The course provides comprehend knowledge of doctrines about law and justice, developed over the years, in various nations and historical situations and helps to understand the importance of legal concepts that is important so far as various legal courses are concerned so that the students can relate various concepts that they learn in other courses in law to their jurisprudential meanings and apply principles of liability with a comprehensive understanding of the concepts in environmental law and health care law.
BBBL15F5600	Jurisprudence-II	2017-18	skill development and employability : The course provides comprehend knowledge of doctrines about law and justice, developed over the years, in various nations and historical situations and helps to understand the importance of legal concepts that is important so far as various legal courses are concerned so that the students can relate various concepts that they learn in other courses in law to their jurisprudential meanings and apply principles of liability with a comprehensive understanding of the concepts in environmental law and health care law.
MS17CH207	Lab Course In Analytical Chemistry	2017-18	skill development and employability and employability : Acquire the knowledge of analytical techniques, qualitative and quantitative analysis. Acquire the knowledge and skill of instruments like <u>conductometry, pH meter, potentiometry, Chromatographic techniques (TLC).</u>
MS17CH206	Lab Course In Inorganic Chemistry	2017-18	skill development and employability and employability: Acquire the knowledge of qualitative and <u>quantitative analysis of samples.</u>
MS17CH106	Lab Course In Organic Chemistry	2017-18	skill development and employability: Understand the resonance, aromaticity, structure, stability and reactivity of intermediates. To understand the reaction mechanism using Curtin-Hammett principle. <u>Acquire the knowledge of stereochemistry of organic molecules.</u>
MS17CH107	Lab Course In Physical Chemistry	2017-18	skill development and employability: Acquire the knowledge of thermodynamic principles, electrochemistry in energy conversion process, apply the knowledge of kinetics to the complex <u>reactions.</u>
17JM106	Lab Journal Production	2017-18	Employability and skill development and employability: Students learn the practical aspects of newspaper production
MSBC16F1600	Laboratory Course I And Short Term Training	2017-18	Skill development and employability : Acquire the knowledge of literature survey, research methodology, interpretation of data, report writing and hands on experience of Extraction or synthesis and characterization of different medicinal compounds using different characterization techniques and studying the biological activity of biomolecules.
MSBC16F3500	Laboratory Course Iii	2017-18	skill development and employability: The students can able to isolate various genetic materials from various sources like Chicken liver and also the students can identify the molecular weight also.
MSBC16F4700	Laboratory Course Iv	2017-18	Skill development and employability : Acquire the knowledge of literature survey, research methodology, interpretation of data, report writing and hands on experience of Extraction or synthesis and characterization of different medicinal compounds using different characterization techniques and studying the biological activity of biomolecules.

MS17BC206	Laboratory Cum Training- Iii (Protein Chemistry And Immunology)	2017-18	Employability, Entrepreneurship & skill development and employability :Able to design and carry out scientific experiments as well as accurately record and analyze the results of such experiments.
MS17BC207	Laboratory Cum Training- Iv(Molecular Biology And Bioinformatics)	2017-18	skill development and employability: Analyze and solve biological problems, drug design using different soft wares, designing new softwares in the areas of Biotechnology, Pharmaceuticals and software fields. Draw the structures of complex molecules of chemical and biological origin. Employability: many opportunity is there in bioinformatics company, drug comany and many
BBBL15F5200	Labour And Industrial Law - I	2017-18	Employability, Entrepreneurship : The students are trained on the e the provisions in the Trade Unions Act, 1926, the mechanisms contemplated under the provisions of the Industrial Disputes Act for the prevention and settlement of Industrial Disputes, Industrial Employment (Standing Orders) Act, 1946 and Disciplinary Enquiry for Misconduct.
BBBL15F6500	Labour And Industrial Law-ii	2017-18	Employability, Entrepreneurship : The course provides an extensive study on social security and other economic and welfare legislations such as Factories Act, Minimum Wages Act, Payment of Wages Act, Payment of Bonus Act, Bonded Labour System (Abolition) Act, 1976; Inter State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979, Bonded Labour System (Abolition) Act, 1976 and Inter State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.
BRAR15F6700	Landscape Architecture	2017-18	Skill, Employability: students are able to develop basic skills required in handling simple landscape design project.
17JE101	Language -ii Additional English	2017-18	Additional English Employability and skill development and employability : Students gain and use the knowledge to comprehend and analyze the concepts and processes related to language and literature .
17JE201	Language -ii Additional English	2017-18	Additional English Employability and skill development and employability : Students gain and use the knowledge to comprehend and analyze the concepts and processes related to language and literature .
BA.LB163300	Law Of Contract-1	2017-18	Employability, Entrepreneurship : The students are trained to acquaint with principles of analysis with regard to utilization of law of contract including the Indian Contract Act, 1872 which is essential for any business transaction, ensuring that both parties to the contract abide by the commonly established terms and conditions.
BA.LB164300	Law Of Contract-ii	2017-18	Employability, Entrepreneurship : The course is aimed at a building up of knowledge that leads to an effective understanding of the specific contracts stated in the Indian Contract Act, The Indian Partnership Act, the Sale of Goods Act, contract of indemnity, negotiable instruments and other forms of special contracts.
BA.LB163200	Law Of Crimes -I: Penal Code	2017-18	Employability, Entrepreneurship : The course is designed with a prime object to familiarize students with the principles of criminal liability and other concepts of substantive criminal law. The lawyer must have an acquaintance with such knowledge in order to make criminal justice serve the goals of social defense. Subsequently, a study of the basic concepts of Criminal Law is undertaken, followed by a study of specific offences under the Indian Penal Code.
BBBL15F5100	Law Of Crimes -I: Penal Code	2017-18	Employability, Entrepreneurship : The course is designed with a prime object to familiarize students with the principles of criminal liability and other concepts of substantive criminal law. The lawyer must have an acquaintance with such knowledge in order to make criminal justice serve the goals of social defense. Subsequently, a study of the basic concepts of Criminal Law is undertaken, followed by a study of specific offences under the Indian Penal Code.
BBBL15F6100	Law Of Crimes-ii:Criminal Procedure Code	2017-18	Employability, Entrepreneurship : The students learn the crucial aspects relating to investigation and trial of offences like initiation of criminal cases, powers and duties of police during investigation of offences, stages of criminal trial, functions, duties, and powers of criminal courts and critical issues in administration of criminal justice like protection of human rights of accused, victims,principles of fair trial.
BA.LB163100	Law Of Torts Including Mv Accident And Consumer Protection	2017-18	Employability, Entrepreneurship : This course is designed to study the role played by statutes like the Motor Vehicles Act and the Consumer Protection Act in bringing in a new framework of protection to individuals from certain specific kinds of tort. The course helps in acquaintance with different forms of tortious liability as well as different forms of tort.
BCOM15F5B13	Life And General Insurance	2017-18	Employability and skill development and employability: Here student can become an Insurance Agent and can acquaint with various types of life and general insurance concepts.
MS17MT201	Linear Algebra	2017-18	Skill development: This course recall basic concepts of matrices and matrix algebra, Demonstrate basic concepts of vector spaces, Interpret the concepts of linear transformations by using the matrices, Develop methods of computing and using eigen values and eigenvectors, This course will provide teaching opportunities in academic institutions and R&D.
BSCB16F1300'	Linux Foundation	2017-18	skill development and employability, employability: Students learn to describe the directory layout of a typical Linux system, maintain and secure Linux directories and files, use basic Linux commands, use Linux pipes and file redirection efficiently to manipulate data. They also learn to form simple regular expressions to define patterns with various - Linux commands, use the fundamental LINUX system tools and utilities, write shell scripts in order to perform basic shell programming. This will enhance their employability skills.
BSCB16F1700	Logic Design Lab	2017-18	skill development and employability: Students are familiarized with the number systems, Boolean algebra and digital circuit design. They learn the working principles of various electronic circuits, transistor characteristics and its applications. They will compare different biasing methods of transistors and understand the working of amplifiers.
BTCS15F7100	Machine Learning And Applications	2017-18	Entrepreneurship, Employability: Students are familiarized to explain the basics of machine learning concepts. Trained to impement machine learning algorithms for intelligent applications. Also to perform evaluation of learning algorithms and model selection.
MTCS17F1300	Machine Learning And Deep Learning	2017-18	Entrepreneurship, Employability: Students are familiarized to explain the basics of machine learning concepts. Trained to impement machine learning algorithms for intelligent applications. Also to perform evaluation of learning algorithms and model selection.
BTME15F8340	Machine Tool Design	2017-18	Employability & Entrepreneurship: The course is designed to machine tool design & layout of machine tools, fundamentals of machine tool structures and their requirements, design criteria of machine tool structure & dynamic characteristics of cutting process
MS17MT302	Magnetohydrodynamics	2017-18	Skill development: This course helps the student to analyze the fluid models under different physical situations. This creates R&D skills in the students,emphasis on those aspects of the subject that are basic to higher mathematics.
BTEC15F8400	Major Project	2017-18	skill development and employability, Employability, Entrepreneurship:
BTME15F8400	Major Project	2017-18	Skill development and Employability: Identify the problems in the real time application. Apply the knowledge to analyze the problem. Document the progression of the work and results. Design the process/ product for simple applications.
MCOM16F4200	Major Project	2017-18	Employability and skill development and employability: It enables the students to have outworld exposure and a real time experience of finding the gap between their study and its implementation.
MSBT16F4400	Major Project / Dissertation	2017-18	Employability and skill development and employability and self sustenance : The student will be gaining the true work experince and learn the techniques which is required by the industry.

BCOM15F6300	Major Project / Internship	2017-18	Employability and skill development and employability: It enables the students to have outerworld exposure and a real time experience of finding the gap between their study and its implementation.
BBAD15F5500	Management Accounting	2017-18	Employability : The course facilitates the students to understand the analysis and interpretation of financial statements with a view to prepare management reports for decision-making.
BBHO16F4100	Management Accounting	2017-18	This course is intended to introduce the basic theory, concepts and practice corporate Accounting and to enable students to understand information contained in the published financial statements of companies and other organisations.
BCHO16F4100	Management Accounting	2017-18	Employability and Entrepreneurship: Management accounting is generally focused to improve the company's finance and profit. It is concerned with measuring the performance of the business in terms of efficiency, growth, utilization of business resources etc. It helps to assess risks which can be further converted into profit. The process of preparing management reports and accounts that provide accurate and timely financial and statistical information required by managers to make day-to-day and short-term decisions.
BTME164F480 0A	Manufacturing Technology Lab	2017-18	Skill development and Employability: Illustrate the influence of Grain fineness of the silica sand used in the preparation of the mold. Determine the compression, shear, tensile strength & permeability of a molding sand for different proportion of clay. Create the sand mold cavity using cope & drag box with pattern or without pattern. Demonstrate the upsetting, drawing & bending operation in preparing the forged model.
MBAD16F1300	Marketing Management	2017-18	Employability, skill development and employability: The course provides students an insight into various marketing tools / models for solving marketing problems in the changing business environment and students also learn the skills of personal selling & customer management.
BCOM15F5B14	Marketing Of Insurance Products	2017-18	Employability: The students will analyse the various modes that could be adopted in the process of marketing the insurance product. They can also be placed in the insurance company in the field of marketing.
MBAD16F22C1	Mass Communication & Media Studies	2017-18	Employability and skill development and employability: Students learn the basic theory underlying mass communication and media planning. This will enhance their employability skills.
MS17PH105	Material Science (General)	2017-18	skill development and employability: Students get familiarised with structure, properties and behavior of materials and learn to synthesize different phases of materials
MS17PH235	Material Science 1	2017-18	skill development and employability: Students learn to analyze the structural, electronic and magnetic properties of metals, alloys, superconductors, semiconductors and dielectric properties.
MS17MT414	Mathematical Methods	2017-18	Employability and Skill Development: Students learn to solve the non-linear equations in one variable using different numerical techniques and Analyze the different types of interpolation methods, the different types of errors and stability methods. Students learn to solve partial differential equations using various numerical methods .
MS17PH101	Mathematical Physics	2017-18	skill development and employability: This course makes the students understand the basic mathematical functions necessary for modeling Physics problems and apply them in real problems
BTCE15F7520	Matrix Methods Of Structural Analysis	2017-18	skill development : To learn about the concepts and principles of limit state design. To compute the ultimate flexural strength, shear strength and torsional strength of reinforced concrete sections
MS17MT421	Measure Theory.	2017-18	Skill development and employability : This course will give the knowledge of Lebesgue measurable theory for sets and functions and the concept of Lebesgue Integration for Riemann Integrals, the general Lebesgue integral and convergence. Students is to apply the concept of Lebesgue integration for monotone function, differentiation of monotone function and integral derivatives and the concept of linear space in different theorem, sequential convergence, compactness, and minimization of convex functional.
BTME15F7200	Mechanical Vibrations	2017-18	Employability & Entrepreneurship: Differential equation of the given vibration model, damping, natural frequency and resonance. Determine Response of the vibrating system. Define multi degrees of freedom systems. Explain vibration measurement.
BTME15F8240	Mechanics Of Composite Materials	2017-18	Employability & Entrepreneurship: Classification of composites, their applications and processing. Micro/macro mechanical analysis of lamina/laminate. Be familiar with various biaxial strength theories and understand macro mechanical analysis of a laminate. Gain comprehensive knowledge on metal matrix composites. Can do Micro/Macro mechanical analysis of lamina/laminate and implement basic knowledge of composites in general and metal matrix composites in particular, in future project/Research.
17JM202	Media Laws And Ethics	2017-18	Employability and skill development and employability: Students learn the various aspects of reporting and editing techniques in various media platforms. They develop to analyze the process of reporting and editing techniques for print and electronic media
BTEC15F7630	Mems	2017-18	Employability, skill development and employability: Introduce the basic three pillars of MEMS Design, Fabrication and Materials. To introduce different materials used for MEMS. To provide knowledge of semiconductors and solid mechanics to fabricate MEMS devices. Highlight the various electrical and mechanical concepts with regards to MEMS arena. Demonstrate the various fabrication and micro machining techniques. Recognize the basic operation principles Optical Lithography, Electron Lithography, X-Ray Lithography, Ion Lithography, Plasma properties. Understand Etch mechanism, reactive Plasma Etching techniques and Equipment. To introduce various sensors and actuators.
BTEC15F5610	Microprocessor	2017-18	Employability/ skill development and employability: Students are provided with the knowledge on solving basic binary math operations using the microprocessor. Applying the knowledge of the microprocessor's internal registers and operations by use of a PC based microprocessor simulator.
MS17MT305	Mini Project Work	2017-18	Skill development: Explains the basic concepts of heat transfer, types of convection, thermal instability of linear and non-linear problems, dimensional analysis. Flow problems are analysed using finite element method.
BCHO16F3600	Minor Project	2017-18	Employability and skill development and employability: It enables the students to have outerworld exposure and a real time experience of finding the gap between their study and its implementation.
MTTE15F3500	Minor Project / Internship	2017-18	Entrepreneurship, Employability and skill development and employability:
MPAL15F5300	Minor Project-ii	2017-18	skill development and employability, Employability, Entrepreneurship: Students develop a project in team of 2 based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship .
BTEC15F8210	Mobile Adhoc& Sensor Networks	2017-18	skill development and employability, Employability: Students are provided with the understanding of characteristic of Adhoc networks, concepts routing protocols, the security issues in Adhoc networks. They are put into working on MAC protocols for Sensor Networks.
MTCS17F1520	Mobile Application Development	2017-18	skill development and employability, Employability: Students are trained and familiarized on Mobile Computing w.r.t Connectivity: You can stay connected to all sources at all times, Social Engagement: You can interact with a variety of users via the Internet, Personalization: You can tailor your mobile computing to your individual needs.

MTDE17F1530	Mobile Application Development	2017-18	skill development and employability, Employability: Students are trained and familiarized on Mobile Computing w.r.t Connectivity: You can stay connected to all sources at all times, Social Engagement: You can interact with a variety of users via the Internet, Personalization: You can tailor your mobile computing to your individual needs.
MTDE17F1520	Mobile Cloud Computing	2017-18	Employability: Students are familiarized with mobile cloud computing that helps in storing and processing data outside mobile devices.
MTCS16P3201	Mobile Computing	2017-18	skill development and employability, Employability: Students are trained and familiarized on Mobile Computing w.r.t Connectivity: You can stay connected to all sources at all times, Social Engagement: You can interact with a variety of users via the Internet, Personalization: You can tailor your mobile computing to your individual needs.
BTCS15F8140	Mobile Computing And Application Development	2017-18	skill development and employability, Employability: Students are trained and familiarized on Mobile Computing w.r.t Connectivity: You can stay connected to all sources at all times, Social Engagement: You can interact with a variety of users via the Internet, Personalization: You can tailor your mobile computing to your individual needs.
BTEE15F6502	Modelling And Simulation Of Electrical Machines	2017-18	Employability: Fundamental Concepts of Generalized Machine Theory, Modeling and analysis of DC machines, Modeling and analysis of Synchronous Machines, Modeling and analysis of Induction Machines are helpful to start career in Drives and Electrical machines Industry and also to serve in BHEL, BEL etc
MSBC16F3100	Molecular Biology	2017-18	Employability & Entrepreneurship: Develop effective, creative and innovative solutions, both independently and cooperatively, to current and future research problems in Molecular Biology and apply the principles and techniques of molecular biology for further education and/or employment in teaching, basic research, or the health professions.
BA.LB164700	Moot Court	2017-18	skill development and employability : Moot court is simulated court session based on solving hypothetical facts/cases through oral arguments and written memorials that involves analysis of legislations, customary laws, legal dictionaries, precedents, both national and international. This course helps in analysing legal problems and research for solutions which will in turn improve their writing, research, speaking, critical thinking skills. This course also helps in imbibing professional and ethical responsibilities in a court room.
BTEC15F8260	Multimedia Communications And Networks	2017-18	Employability: To provide an understanding of impact of multimedia techniques in the day to day life. To provide an understanding of various representations of graphics, image & video. To provide an understanding of the total processing, storing and communication of multimedia data. To provide a comprehensive understanding of multimedia communication over wireless networks.
BTCS15F7430	Multimedia Computing & Networks	2017-18	Employability: Students are familiarized with multimedia computing networks that lies in the new applications that will be generated by adding networking capabilities to multimedia computers, and hopefully gains in efficiency and cost of ownership and use when multimedia resources are part of distributed computing systems.
BTCS15F8230	Multimedia Systems	2017-18	Employability: Students are familiarize with multimedia systems that are good way for communication because that can easy to communicate and understand what they say.
MFA17F1600	Music - 1 (Theory And Practical)	2017-18	skill development and employability as this subject teaches the students the basic fundamentals of Carnatic music that is required to be learnt by any dance student.
MFA17F2600	Music -2 (Theory And Practical)	2017-18	skill development and employability as this subject teaches the students the basic fundamentals of Carnatic music that is required to be learnt by any dance student.
MS17CS101	Mutivariable Calulus	2017-18	skill development and employability, Employability: Students learn Matrices and Vectors , Partial Differentiation and its Applications, Double Integrals and its Applications , Triple Integrals and its Applications . This will enhance their employability skills.
MPAL15F5510	Mvc Architecture With Asp.Net	2017-18	skill development and employability, Employability: Students learn to create the information policy for organization and implement various security components in the network. This will enhance their employability skills.
MSBT16F3510	Nano Biotechnology	2017-18	Employability, skill development and employability and enterpreneursip: Student will learn the techniques in application of nanomaterials to treat the diseases and and also production of biobased nanomaterials
BTME15F7520	Nano Technology & Applications	2017-18	Employability & Entrepreneurship: Student will be able to . Use Nano materials for various industrial applications. Design MEMS / NEMS devices for various applications. Demonstrate the knowledge of devices used in MEMS/NEMS.
MTMD17F163	Nanotechnology	2017-18	Employability & Entrepreneurship: Student will be able to . Use Nano materials for various industrial applications. Design MEMS / NEMS devices for various applications. Demonstrate the knowledge of devices used in MEMS/NEMS.
MS17CS236	Natural Language Processing	2017-18	skill development and employability, Employability: Students learn basics of Speech technology and parsing, introduce the semantic analysis of speech, study the machine translation principles
MS17CH3030	Natural Products And Bioorganic Chemistry - iii	2017-18	skill development and employability and employability: Aquiring the knowledge of natural products, understanding the importance of natural products in drug design and developments of new drugs. Invistigation of plant materials and natural products.
BTCS15F7340	Network Management Systems	2017-18	Employability: Students are familiarized with Network Management Systems that is all about compliance, reliability, security and smooth business operations. To ensure that your IT functions well, it is important to monitor hardware and software for failures, viruses, online threats, and stay updated as per required maintenance functions.
BTCS15F7350	Network Programming	2017-18	skill development and employability: Students are trained with Network Programming that involves writing programs that communicate with other programs.
BTEC15F7502	Neural Network And Fuzzy Logic(Oe)	2017-18	Employability: Students are known with Fuzzy logic that is largely used to define the weights, from fuzzy sets, in neural networks. When crisp values are not possible to apply, then fuzzy values are used.
BTEC15F7620	Neural Networks And Fuzzy Logic	2017-18	Employability,skill development and employability: To introduce the basics of Neural Networks and essentials of Artificial Neural Networks. To illustrate the essentials of Single Layer and Multilayer Feed Forward Networks and to deal with Associate Memories and algorithms. To introduce Fuzzy sets and Fuzzy Logic system components. To discuss Neural Network and Fuzzy Network system applications to Electrical, Electronics and Communication Engineering .
BCHO16F4300	New Venture Planning	2017-18	Entrepreneursip and skill development and employability: This course helps students develop the skills and knowledge that will enable them to be effective entrepreneurs and/or members of entrepreneurial teams. While the primary focus will be on independent ventures, the knowledge, skills, and capabilities gained here should be relevant to those involved in creating new ventures within the context of established corporations, public or private.
BTME15F8330	Non Destructive Testing Methods	2017-18	Employability & Entrepreneurship: Use NDT equipments and accessories. Use the NDT techniques in practical applications. Compare and select of various NDT techniques based on the applications
MS17MT125	Number Theory	2017-18	Skill Development, Employability: This course will gain an understanding,interpret the concepts of divisibility, congruence, greatest common divisor, prime, and prime-factorizationand use the theory of congruences in applications. Apply the Law of Quadratic Reciprocity and other methods to classify numbers as primitive roots, quadratic residues, and quadratic non-residues, This course will provide teaching opportunities in academic institutions and R&D.

MS17MT402	Numerical Analysis	2017-18	Employability and Skill Development: The course will also develop an understanding of the elements of error analysis for numerical methods and certain proofs. will further develop problem solving skills. Derive appropriate numerical methods to solve a linear system of equations.
BSCB16F3600	Numerical Methods	2017-18	skill development and employability, Employability: The course provides insight into Solution of Equations and Eigenvalue Problems, Interpolation and Approximation, Numerical Differentiation and Integration, Initial and Boundary Value Problems for Ordinary Differential Equations.
MSBC16F3200	Nutritional Biochemistry	2017-18	Employability & Entrepreneurship:: Apply analytical principles of food and nutrients in diet formulation. skill development and employability: Acquire skills in organization and management of food service institutions
MTC16P3202	Object Oriented Analysis And Design	2017-18	skill development and employability: Students are trained with Object Oriented Analysis and Design where the principles of encapsulation and data hiding help the developer to develop systems that cannot be tamed by other parts of the system.
BSCB16F7520	Object Oriented Modelling And Design	2017-18	Entrepreneurship skill development and employability, Employability: Students learn the modeling and design of databases, acquire knowledge on parallel and distributed databases and its applications, study the usage and applications of Object Oriented database, understand the usage of advanced data models, acquire inquisitive attitude towards research topics in databases
MPAL15F5100	Object Oriented Modelling And Design	2017-18	skill development and employability, Employability: Students learn to implement the basic concepts to identify state & behavior of real world objects, implement various object oriented methodologies .apply the concept of analysis and design to develop a document for a given project and to implement analysis and design phases in developing a software project. This will enhance their employability skills.
BCHO16F3200	Office Management And Secretarial Practices	2017-18	Entrepreneurship, Employability and skill development and employability: This course is to familiarize the students with the activities in a modern office. Smooth functioning of any organization depends upon the way various activities are organized, facilities provided to the staff working in the office, the working environment and the tools and the equipment used in office.
BTCE15F7420	Open Channel Hydraulics	2017-18	skill development: To learn about Reservoirs, classification, storage zones, concept of mass curve fixing capacity of a reservoir, safe yield, density currents, life of a reservoir,
MTC17F2430	Open Source Cloud Computing Tools	2017-18	skill development and employability, Employability: Students are trained on Open-source cloud is any cloud service or solution that is built using open-source software and technologies. This includes any public, private or hybrid cloud model providing SaaS, IaaS, PaaS or XaaS built and operated entirely on open-source technologies.
MTDE17F2530	Open Source Cloud Computing Tools	2017-18	skill development and employability, Employability: Students are trained on Open-source cloud is any cloud service or solution that is built using open-source software and technologies. This includes any public, private or hybrid cloud model providing SaaS, IaaS, PaaS or XaaS built and operated entirely on open-source technologies.
BSCB16F3400	Operating System	2017-18	skill development and employability, Employability: Students learn the operation, implementation and performance of modern operating systems, and the relative merits and suitability of each for complex user applications. Students will be able to compare, contrast, and evaluate the key trade-offs between multiple approaches to operating system design, and identify appropriate design choices when solving real-world problems. The students get familiar with the practical aspects that pertain to the popular operating systems such as Unix/Linux and Windows.
BTME15F8230	Operation Management	2017-18	skill development and employability: Identify specific management needs in the execution of projects at tactical and strategic level. Estimate the project proposals for scope, time and cost to consider its feasibility. Synthesis the strategies to evolve suitable approach to accomplish the project with effective usage of the resources. Employability: Team building and leadership skills in planning and implementation of the project. Apply effective management technique in the project execution to fulfill the desired objectives.
BSCB16F4100	Operation Research	2017-18	skill development and employability: Students learn to apply linear, integer programming to solve operational problem with constraints, transportation and assignment models to find optimal solution in warehousing and Travelling, prepare project scheduling using PERT and CPM, optimize concepts in real world problems.
BTEE15F6503	Operation Research	2017-18	Employability: The students will be able to make better decisions in complex scenarios by the application of a set of advanced analytical methods, Employability/entrepreneurship: Applications of OR techniques spread over various fields in engineering, management and public system.
BTME15F7300	Operations Research	2017-18	Employability & Entrepreneurship: Apply the various optimizing techniques in order to determine the optimal solution for the given real world problem in order maximize the profit or minimize the loss. A Key tool for decision making of real world problems. Employability: can work in project execution team in industries.
MS17MT403	Operations Research	2017-18	Skill Development and Employability: This course formulate sequencing problem for service and manufacturing systems, and apply operations research techniques and algorithms to solve these Sequencing problems. formulate Integer Programming models for service and manufacturing systems, and apply operations research techniques and algorithms to solve these IP problems. formulate Queuing models for service and manufacturing systems, and apply operations research techniques and algorithms to solve these Queuing problems. communicate the results of an operations research project through a written report and an oral presentation.
BTCS15F8160	Optimization Techniques & Game Theory	2017-18	skill development and employability, Employability: Students will be focused in the area of multi-objective optimization, some researchers proposed an algorithm that based on evolutionary game theory to solve multi-objective optimization problem
BTCE15F7780	Optimization Techniques(Oe)	2017-18	skill development and employability: Students are familiarized to identify and summarize the need & origin of the optimization methods. To illustrate various applications of optimization methods used in engineering and to formulate optimization problems as mathematical programming problems.
MTTE15F3420	Optimization Techniques(Oe)	2017-18	Entrepreneurship, Employability and skill development and employability: Has learnt the different optimization techniques in construction and management.
MS17MT115	Ordinary And Partial Differentialequation	2017-18	Employability/Skill development: 1. This course will provide teaching opportunities in academic institutions and R&D. 2. ODEs or PDEs helps in analyzing the model. Typically, topics relating to dynamics models, stability and more.
MS17CH306	Organic Chemistry-III Practical	2017-18	Skill development and employability : Acquire the knowledge and hands on experience of synthesis, mechanism, properties, separation and recrystallization of organic compounds and study of physical parameters.
MS17CH102	Organic Chemistry I	2017-18	skill development and employability: Understand the resonance, aromaticity, structure, stability and reactivity of intermediates. To understand the reaction mechanism using Curtin-Hammett principle. Acquire the knowledge of stereochemistry of organic molecules.
MS17CH202	Organic Chemistry II	2017-18	skill development and employability: Understand the role of functional groups in organic compounds. Identification of molecular rearrangement reaction related to hetero atoms.
MS17CH308	Organic Chemistry III Practical	2017-18	Skill development and employability : Acquire the knowledge and hands on experience of synthesis, mechanism, properties, separation and recrystallization of organic compounds and study of physical parameters.

BT16F3600	Organic Farming(Oe)	2017-18	Employability, skill development and employability and entrepreneurship : The student will learn and implement about the Cultivation practices used in organic farming , Complete a Farm Business Plan, describing the marketing, operations and financials for a farm business that fits your skills, interests and farm site.
BBAD15F4500	Organisation Study - Minor Project	2017-18	Employability , Entrepreneurship, skill development and employability: The students learn how to identify a problem or opportunity and design survey methods to study organizational structure
MS17CH321	Organometallics Chemistry - Iii	2017-18	skill development and employability and employability : Understand the classification of ligands in organometallic compounds, retrieve the knowledge about the theories and electronic properties of organometallic compounds and elucidation of mechanism of catalysis.
MTCS17F2610	Parallel Computing And Programming	2017-18	skill development and employability: Students will be focused on parallel programming which is to execute code efficiently, since parallel programming saves time, allowing the execution of applications in a shorter wall-clock time.
BTEC15F7530	Parallel Processing	2017-18	Employability,skill development and employability: To present design of parallel programs and how to evaluate their execution To Give knowledge of the characteristics, the benefits and the limitations of parallel systems and distributed infrastructures. To expose students to writing code in different parallel programming environments. Encourage students to Build experience with interdisciplinary teamwork
MS17CS216	Pattern Recognition	2017-18	skill development and employability, Employability: Students learn the basics of IoT, key application domains of IoT, programming in IoT and the intricacies involved in an IoT project. This will enhance their employability skills.
BTCS15F7330	Pattern Recognition	2017-18	skill development and employability, Employability: Students will be familiarized with Pattern Recognition that is used to give human recognition intelligence to machine which is required in image processing. Pattern recognition is used to extract meaningful features from given image/video samples and is used in computer vision for various applications like biological and biomedical imaging.
BTCE15F7540	Pavement Management System	2017-18	skill development: To educate students about the importance of pavement evaluation, different methods of evaluating pavements, factors affecting deterioration and measures to reduce them, methods of evaluating surface condition. To give students an overview of techniques and tools for pavement preservation, role of computers in pavement management, expert systems.
MPAL16F3720	Pc Hardware Training(Oe)	2017-18	skill development and employability, Employability: Students learn the various concepts behind data warehousing, business intelligence and Data mining principles. They also study various Data Mining techniques like Association, Classification and Clustering. This enhances their employability skills.
BPAL15F5400	Pc Trouble Shooting	2017-18	Entrepreneurship skill development and employability, Employability: Students learn to deploy a structured lifecycle approach to data science and big data analytics projects, select visualization techniques and tools to analyze big data and create statistical models, use tools such as R and RStudio, and MapReduce/Hadoop, Understand and Work with big data platform, Analyze the Map Reduce technologies associated with big data analytics, Understand the fundamentals of various bigdata analysis techniques, and Analyze the big data analytic techniques for useful business applications. This enhances their employability skills.
BBAD15F5H40	Performance And Compensation Management	2017-18	Employability: Students learn the concepts, process and methods of performance appraisal and compensation management. They understand the process of payroll fixing and administration, approaches of compensation management and the challenges faced in effective performance appraisal and compensation management. and the context of compensation practices followed in the Organization. The students develop employability skills in performance and compensation management.
BCHO16F3700	Personality Development Andleadership	2017-18	Employability , skill development and employability: The students learn how to improve personality development and acquire the skills of self development by the students.
BTEC15F7540	Pervasive & Ubiquitous Computing	2017-18	Employability: To Provide a sound conceptual foundation in the area of Pervasive Computing aspects; To Provide a balanced treatment of the mechanisms and environments of ubiquitous computing; To give an insight into successful mobile and pervasive computing applications and services. To Provide an insight into characteristics of Explicit and Implicit Human-Computer Interface (HCI). To Introduce to the architectures of Intelligent Systems
MS17CH313	Photophysical Processes And Applications (Sc-3)	2017-18	skill development and employability and employability: Aquire the knowledge about the photochemistry, fluorescence, phosphorescence, sensors and energy conversion devices and applications.
MS17CH103	Physical Chemistry - I	2017-18	skill development and employability: Aquire the knowledge of thermodynamic principles, electrochemistry in energy conversion process, apply the knowledge of kinetics to the complex reactions.
MS17CH203	Physical Chemistry Ii	2017-18	skill development and employability: Understanding the principles of quantum mechanics, spectroscopy and electronic properties of materials. Interpretation of spectroscopic data and characterization of materials and predict the structure of compounds.
MSBT16F3100	Plant & Agriculture Biotechnology	2017-18	Employability, skill development and employability and entrepreneurship: Student will learn the techniques in plant biotechnology to modify or to edit the genes and cater services to farmers.
MSBC16F4500	Plant Biochemistry	2017-18	Employability, Entrepreneurship & skill development and employability :Acquire knowledge about basics of nano scale, nano particles and nanomaterials, industrial application of nanoparticles, synthesis of nanoparticles, application of nanoparticles in medical field .To Illustrate the manufacture of fermenters and to execute efficient fermentation process.Understand the detailed mechanism of vaccine preparation.
MSBT16F3300	Plant, Agricultural Biotechnology & Genetic Engineering	2017-18	Employability, skill development and employability and entrepreneurship: Student will learn the techniques in plant biotechnology to modify or to edit the genes and cater services to farmers.
MTMD17F253	Plates And Shells	2017-18	Employability& Entrepreneurship: Demonstrate the fundamentals of Simple bending of Plates and analyze the Plates subjected to lateral loads, formulate Circular plates subjected to Axi-symmetrical loads.
17JM226	Political Communication	2017-18	Employability and skill development and employability: Students learn the various levels of Television and film production techquines and use them in their work place. They develop to analyze the process of scripting, anchoring and editing aspects.
BA.LB163500	Political Science & International Relations	2017-18	Employability :To focus on understanding international relations and emerging issues in the relations between states. Studying sociology gives the students how to interact in societyand how they are shaped by the others and their environmnets
BA.LB164600	Political Science-Iv:Comparative Government & Politics	2017-18	Employability : The course facilitates the students to understand the different types of governments and politics of the world by adopting a comparative approach. The course explains the constitutional and legal provisions, institutional arrangements and their social and economic background.
BTEE15F6100	Power System Analysis	2017-18	Employability: This course helps students in developing skill in analyzing power system and helps them in employment as power engineers. It is a very important course for GATE exam as many questions are asked from this course in the same.

BTEE15F6501	Power System Planning And Reliability	2017-18	Employability: This course imparts the knowledge and essential skills regarding load forecasting, power system reliability issues and possible solutions which will play a pivotal role when it comes to employability in the power and energy sector.
MTDE17F2100	Predictive Analytics Using R	2017-18	skill development and employability, Employability: Students are familiarized and trained in R programming language originally written for statisticians to do statistical analysis, including predictive analytics. It's open-source software, used extensively in academia to teach such disciplines as statistics, bio-informatics, and economics.
MCOM16F4T20	Principles And Practice Of Taxation And Indian Tax System	2017-18	Employability: This course provides an introduction to taxation in India. It helps to gain knowledge about the Indian Taxation System.
MTCS17F2100	Principles Of Algorithm Design (Daa)	2017-18	skill development and employability, Entrepreneurship: Students are trained to execute and analyze the running time of the basic algorithms for classic problems in various domains. To code and execute algorithms using the dynamic programming, greedy method, backtracking.
MTCS17P2100	Principles Of Algorithm Design (Daa)	2017-18	skill development and employability, Entrepreneurship: Students are trained to execute and analyze the running time of the basic algorithms for classic problems in various domains. To code and execute algorithms using the dynamic programming, greedy method, backtracking.
BBHO16F4500	Principles Of Marketing	2017-18	Employability, skill development and employability: The course provides students an insight into various marketing tools / models for solving marketing problems in the changing business environment and students also learn the skills of personal selling & customer management.
BCHO16F4500	Principles Of Marketing	2017-18	Employability, Entrepreneurship and skill development and employability: The subject enables students to understand the evolution of marketing concepts, consumer buying behavior and throws a light in understanding the various strategies used by company to market their product and various developmental issues faced while marketing the product.
17JM101	Principles Of Mass Communication	2017-18	Employability and skill development and employability: Students learn the various aspects of mass communication and principles and use them in their work place. They develop to analyze the process of mass communication and principles aspects of communication
MS17CS106	Probability And Statistics	2017-18	Employability and skill development and employability: Students learn how to deal with the different Sampling Techniques used in Big data, Design Random variables, Random vectors and distributions, the statistical procedures most often used by practicing engineers. This will enhance their employability skills.
MBAD16F22M3	Product And Brand Management	2017-18	Employability, skill development and employability: Students learn about product development, importance of brand management and implementing of various brand strategies.
BTME15F7420	Product Design & Development	2017-18	Employability & Entrepreneurship: Identify and analyze the product design and development processes in manufacturing industry. Define the components and their functions of product design and development processes and their relationships from concept to customer over whole product lifecycle. Analyze, evaluate and apply the methodologies for product design, development and management. Employability: Undertake a methodical approach to the management of product development to satisfy customer needs. Carry out cost and benefit analysis through various cost models.
BBHO16F3500	Productions And Operations Management	2017-18	Employability, Entrepreneurship: The course develops students in areas of Production and Operations management, that will enable them to understand manufacturing/operation/service functions and their application to an organization and orient and train students in methods, techniques and concepts like: Project management, inventory management, quality management: as applied to manufacture.
BTEE15F6503	Programmable Logic Controllers	2017-18	Employability: Ability to gain knowledge on Programmable Logic Controllers, Can create the ladder diagrams from process and control descriptions for industrial applications.
BTEE15F6504	Programming In Java	2017-18	Skill development and Employability: JAVA programming language is the most popular widely used programming language due to its significant benefits. Hence most of the industries prefer JAVA programming.
BTCS15F7530	Programming With Python	2017-18	skill development and employability, Employability: Students are learn to Analyze requirements of software systems for the purpose of determining the suitability of implementing in Python; Analyze and model requirements and constraints for the purpose of designing and implementing software systems in Python; Design and implement Python software solutions that accommodate specified requirements and constraints, based on analysis or modeling or requirements specification. This will enhance their employability skills.
MS17CH401	Project	2017-18	Skill development and employability: Acquire the knowledge of literature survey, research methodology, interpretation of data, report writing and hands on experience of synthesis and characterization of different compounds using different characterization techniques.
MBAD16F33F4	Project Appraisal, Planning & Control	2017-18	Employability & skill development and employability: Students Manage Transition from Project idea to Operations and familiarize with the core concepts of project management. Students undertake preliminary appraisal analysis of the projects with minor complexities and scheduling of different activities in completion of a project. They gain the practical approach towards the estimation of project cost and managing of projects.
BBHO16F3600	Project Management	2017-18	Employability
MSBC16F3700	Project Report Submission	2017-18	Skill development and employability: Acquire the knowledge of literature survey, research methodology, interpretation of data, report writing and hands on experience of Extraction or synthesis and characterization of different medicinal compounds using different characterization techniques and studying the biological activity of biomolecules.
BPAL15F6500	Project Work	2017-18	skill development and employability, Employability, Entrepreneurship: Students develop a project in team of 2 based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.
BTCE15F8200	Project Work	2017-18	skill development, Entrepreneurship & Employability
MBAD16F4300	Project Work	2017-18	skill development and employability & Employability: Students are allowed to take up minor project from any company of their choice. Complete understanding about the organizational structure, its practices and functions to be done and a detailed report to be submitted to the department.
MS17MT405	Project Work	2017-18	Skill development, Employability: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.
MPAL15F6100	Project Work (Real Time)	2017-18	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.
MSCS15F4100	Project Work And Dissertation	2017-18	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.
MTVS15P6100	Project Work And Dissertation	2017-18	Employability, Entrepreneurship and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain.
BTCS15F7800	Project Work Phase-1	2017-18	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship.

BTCS15F8300	Project Work Phase-2	2017-18	skill development and employability, Employability, Entrepreneurship: Students develop a project individually based on the skills learnt in previous 3 semesters. Since it is an individual project students develop their skills in Employability, Entrepreneurship .	
17JE106	Psychology - I (Foundation Of Psychology)	2017-18	Employability and skill development and employability: Students learn the various aspects of Psychology, usage of of the psychological concepts in their daily lives. The concepts they learn are basic psychological concepts which they can also apply at work place.	
BBBL15F6300	Public International Law	2017-18	Employability : The course provides a storing foundation in questions of law making, sovereignty, jurisdiction, responsibility, enforcement, the settlement of disputes, and specific topics such as the use of force, Sovereign immunity and comprehensive details about law of the sea.	
MS17MT216L	Python Lab	2017-18	Skill Development, Employability: Students are learn to Analyze requirements of software systems for the purpose of determining the suitability of implementing in Python; Analyze and model requirements and constraints for the purpose of designing and implementing software systems in Python;Design and implement Python software solutions that accommodate specified requirements and constraints, based on analysis or modeling or requirements specification.This will enhance their employability skills.	MoU Indian Tech keys
MTDE17F1510	Python Programming	2017-18	Entrepreneurship: Students will learn to use python interpreter for designing simple programs. Demonstrate usage of object oriented features, file and exception handling. Trained to apply the knowledge of python and use the language scripting elements and constructs and repository of standard library, to develop real world and web based applications.	MoU Indian Tech keys
MS17MT216	Python Theory	2017-18	Skill Development, Employability: Students are learn to Analyze requirements of software systems for the purpose of determining the suitability of implementing in Python; Analyze and model requirements and constraints for the purpose of designing and implementing software systems in Python;Design and implement Python software solutions that accommodate specified requirements and constraints, based on analysis or modeling or requirements specification.This will enhance their employability skills.	
MSCS215F3120	Python Programming	2017-18	skill development and employability, Employability: Students are learn to Analyze requirements of software systems for the purpose of determining the suitability of implementing in Python; Analyze and model requirements and constraints for the purpose of designing and implementing software systems in Python;Design and implement Python software solutions that accommodate specified requirements and constraints, based on analysis or modeling or requirements specification.This will enhance their employability skills.	
MTCS16P3303	Python Programming	2017-18	Entrepreneurship, Employability: Students will know to Explain Big Data concepts and managing big data. Generalize Hadoop Architecture. Develop Complex MapReduce programs. Trained to Apply data analytics using Pig, Hive.	
MS17PH201	Quantum Mechanics 1	2017-18	skill development and employability: Students are made to be familiarized with concepts and need for quantum mechanics and to solve three dimensional problems in quantum mechanics.	
MBAD16F3200	R Transformation Series-iii	2017-18	Employability, Entrepreneurship & skill development and employability: Students gain the knowledge of soft skills and benefits of resume writing for better connectivity in placement & within organization	
17JM204	Radio Production	2017-18	Employability and skill development and employability: Students learn the various aspects of Communication theory and application levelin the media houses. They develop to analyze the ethical aspects of communication and entire media system.	
BTCE16F4500	Railways, Airways, Waterways And Tunnels	2017-18	skill development:To educate the students about the importance of transportation, charcterstics of various modes of transportation, To make students familiar with the components of railway tracks along with the basic geometric features.	
BTME15F8320	Rapid Prototyping	2017-18	Employability & Entrepreneurship: Apply the various techniques in order to produce Prototypes, a pattern development for rapid tooling and various RP software. To know the impact of Rapid prototyping, Rapid tooling and Rapid manufacturing in the product development process.	
BTCE16F4400	Rcc Design Of Structures	2017-18	skill development & Employability: To know the concepts of structural design, to understand the usage of IS codes.	
MS17MT102	Real Analysis	2017-18	Skill development and employability:This course will gain an understanding of the Metric space, compact set and connected set. study the limit and continuous function.analyse the Riemann - Stieltjes integrals, analyse the sequence and series of functions, This course will provide teaching opportunities in academic institutions and R&D.	
MT17VS202	Real Time Operating Systems	2017-18	Employability, skill development and employability: Understanding the fundamental concepts of real time systems. Developing the firware for real time services and concept of real time operating systems.	
BTCS15F8130	Real Time Systems	2017-18	skill development and employability: Students are trained on Real-time systems focus on applications that are running and typically give little importance to applications in waiting.	
BTEC15F7450	Real Time Systems	2017-18	Employability: Students are trained to analyze Real Time Systems, know the importance of real time constraints and synchronization issues. They work for RTOS and resource management, achieve multitasking and concurrency and present RTOS tools and case studies	
BTCE15F7530	Reinforced Earth Structures	2017-18	skill development:To educate students about the importance of materials used in highways, basic laboratory testing of these materials, their requirements and criteria for selection for highway works. To make students familiar with different bituminous mix design procedures commonly adopted, the method of deciding gradation requirements.	
BBAD15F5M40	Retail Management	2017-18	Employability , Entrepreneurship: The students get exposed to concept of brands and various theories of branding. It helps them to develop an understanding towards how to make something into an experience so customers develop a favourable attitude towards compay's offering.	
MCOM16F4F30	Risk Management And Insurance	2017-18	Employability and skill development and employability: Students understood about knowledge and control of costs and an improved bottom line and the risk management process involves identification of risks and associated potential costs, analysis of the causes of risk of financial loss.	
BTCE15F7450	Road Safety Management	2017-18	skill development: To educate students about the causes of accidents, preventive measures along with the analysis of the data collection and its representationTo make students familiar with the safety measures and use of innovative ideas in road safety.	
BTME15F8220	Robotics	2017-18	Employability & Entrepreneurship: Understand the position and orientation of the object in space in a 3 dimensional space, joint variables and the position and orientation of the robot end effectors. Plan the trajectories for the robot end effectors to perform specific task, image acquisition & image components. Apply the knowledge to design actual robots to perform basic operations such as pick & place line follower robots etc.	
MTCS17F1620	Robotics	2017-18	Entrepreneurship, Employability: Students are familiarized on Robotics technology that influences every aspect of work and home. Robotics has the potential to positively transform lives and work practices, raise efficiency and safety levels and provide enhanced levels of service.	
MTDE17F1430	Robotics	2017-18	Entrepreneurship, Employability: Students are familiarized on Robotics technology that influences every aspect of work and home. Robotics has the potential to positively transform lives and work practices, raise efficiency and safety levels and provide enhanced levels of service.	

BTEC15F7610	Robotics And Automation	2017-18	skill development and employability, Employability, Entrepreneurship: Students are trained in applications of robots in the industry. They are familiarized with the robot motion analysis, relate mathematical modeling in robots and recognize the different types of sensors and cameras used in the field of robotics. They are also trained in writing robot programs
BTEC15F7501	Robotics And Automation(Oe)	2017-18	skill development and employability, Employability: Students are familiarized in Automation Robotics w.r.t: Reduce Production Cost - A quick return on investment (ROI) outweighs the initial setup costs. All of the following automation advantages reduce production cost. Decrease in Part Cycle Time - A lean manufacturing line is crucial for increasing efficiency.
MTMD17F151	Rotor Dynamics	2017-18	Employability& Entrepreneurship: Demonstrate the fundamentals of Fluid Film Lubrication& Flexible Shafts, and determine the Turbo rotor System Stability by Transfer Matrix Formulation
MBAD16F22M4	Rural Marketing	2017-18	Entrepreneurship, Employability and skill development and employability: Explain the importance of Rural market in India. Identify and interpret the use of locally available resources for rural consumer and designing marketing mix which is different from other.
BTME15F8100	Safety Measures In Mechanical Engineering	2017-18	Employability & Entrepreneurship: Define various reasons for industrial accidents. Predict type of accident may occur. Use various safety rules during the work. Act as a responsible person.
MBAD16F33M1	Sales & Channel Management	2017-18	Employability , Entrepreneurship, skill development and employability: The students learn about different channel options and how to organise and work with the sales force. It helps them to learn about selection and motivating the sales people and how to compensate them. Also students get exposed to reasons of conflict and ways to resolve them along with ideas and techniques of developing targets and quotas.
MFA17F2700	Sanskrit	2017-18	skill development and employability. This subject will develop their basic communication skills in Sanskrit
BTEC15F7410	Satellite Communication	2017-18	skill development and employability, Employability: Students are familiarized with every aspect of satellite communication like orbital mechanics, launching techniques, satellite link design, earth station technology and different access system towards a satellite. They are also familiarized with different multiple access like TDMA FDMA and CDMA, different communication networks and application of satellite communication.
17JM215	Science Journalism	2017-18	Employability and skill development and employability: Students learn the various aspects of environmental related issues and developments and use them in their work place. They develop to report environment development stories for various media houses
MCOM16F3F10	Security Analysis And Portfolio Management	2017-18	Employability, skill development and employability -Students understand the basic concepts of Investment & Portfolio by calculating their returns and risk.They learn the theories of Portfolio Management and also the tools and techniques for efficient Portfolio Management
MT17VS124	Semiconductor Device Modeling & Technology	2017-18	skill development and employability: To equip students with the fundamental concept of semiconductor fabrication process. Understand the various process technologies involved in the semiconductor fabrication process.
MTP17VS123	Semiconductor Device Modeling & Technology	2017-18	skill development and employability: To equip students with the fundamental concept of semiconductor fabrication process. Understand the various process technologies involved in the semiconductor fabrication process.
BTCE15F8100	Seminar	2017-18	skill development and employability: Seminars help in enhancing the knowledge of specific area which they have chosen.
MTDC16F3300	Seminar/ Certification Course	2017-18	Employability, Entrepreneurship and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
MTVS15P5100	Seminar/Certification Program	2017-18	Employability, Entrepreneurship and skill development and employability: Depending on the area in which the project work is carried, it enhances the knowledge and employability in the respective domain
16F4300	Skill Development And Employability	2017-18	To equip the students with proper communication skills to survive successfully in the professional arena, implement a sense of professional ethics, develop an upright aptitude for problem solving, assist to develop themselves into successful planners, executioners and achievers on a long run.
MFA17F2500	Slokas (Abhinaya Darpanam) -	2017-18	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
MFA17F1500	Slokas (Natya Sastram) - Practical -3	2017-18	This subject is a combination of all the three components of Employability, skill development and employability and Entrepreneurship as this subject teaches the students the practical aspects of their specialized dance form and will further enhance their expertise in that subject and will also enable the dancers/artist of School of Performing Arts have a strong foundation in the basics and fundamentals in the practical and performing aspects of the dance form that they are specializing. It will also make the students qualified enough to teach students the items in dance and also the technical aspects of the items which include taalam, music, literature and the spiritual and philosophical depths in it.
BTEE15F6601	Smart Grid	2017-18	Employability: Knowledge of the topics like IED, RTU, and PMU in the smart grid helps to get employment in reputed companies like ABB, Siemens, Qualitrol Corporation, CPRI etc.,
BTEC15F7440	Soc Design	2017-18	skill development and employability, Employability: Highlight the importance of complex VLSI circuits. List the examples of SoC systems. Introduce the parts of a SoC. Providing the comparison of different VLSI design styles. Introduce the concept of H/W and S/W co-design. Introduce the system design process. Highlight the differences between the hard IP and soft IP. Provide a sound knowledge of embedded memories. Demonstrate the idea of NoC used for interconnection architecture
MT17VS125	Soc Design	2017-18	Employability, skill development and employability: To equip students with the fundamental concept of SoC design. Understand scope and bottleneck of SoC design. The concepts of Network on chip, routing strategies and various topologies will also be covered.
MTP17VS223	Soc Design	2017-18	Employability, skill development and employability: To equip students with the fundamental concept of SoC design. Understand scope and bottleneck of SoC design. The concepts of Network on chip, routing strategies and various topologies will also be covered.
16F3520	Sociolinguistics	2017-18	skill development and employability: Students develop a thorough knowledge of the principles and practice of Sociolinguistics, recent developments in teaching methodology to perform the role of teachers as model-facilitators.
BA.LB163600	Sociology-3	2017-18	Employability: To focus on basic concepts of sociology relevant for better understanding of Indian Society.

MTCS16P4210	Soft Computing	2017-18	Employability: Students are familiarized with Soft computing that is an important branch of computational intelligence, where fuzzy logic, probability theory, neural networks, and genetic algorithms are synergistically used to mimic the reasoning and decision making of a human.
BTCS15F8120	Software Architecture	2017-18	skill development and employability: Students are trained with Software architecture that represents a common abstraction of a system that most if not all of the system's stakeholders can use as a basis for <u>mutual understanding, negotiation, consensus, and communication.</u>
BTCS15F8240	Software Defined Networks And Network Virtualization	2017-18	skill development and employability, Entrepreneurship, Employability: Students can be trained on SDN & network virtualization is important because it gives network operators new ways to design, build, and <u>operate their networks.</u>
MPAL15F5200	Software Project Management	2017-18	skill development and employability, Employability, Entrepreneurship: Students learn to design the activities of software project scheduling that includes, resource allocation, estimation, quality standards for evaluation for the projects. This will enhance their employability skills.
MS17CH331	Solid State Chemistry And Advanced Materials -Iii	2017-18	skill development and employability and employability: Understand the bonding in engineering materials, properties and applications of semiconducting materials, glasses and metals. Acquire the knowledge of real world applications and emerging technologies such as li-batteries, automobile engines and the environmental impacts of vheemical process.
17JM236	Sports Journalism	2017-18	Employability and skill development and employability: Students learn the various levels of Radio program production techniques and use them in their work place. They develop to analyze the process of scripting, Radio Jockeying and sound editing aspects.
MTCS17F1430	Statistical Data Modeling And Analysis	2017-18	skill development and employability: Students are focused on statistical model is a combination of inferences based on collected data and population understanding used to predict information in an <u>idealized form.</u>
MTDE17F1410	Statistical Data Modeling And Analysis	2017-18	skill development and employability: Students are focused on statistical model is a combination of inferences based on collected data and population understanding used to predict information in an <u>idealized form.</u>
MS17PH202	Statistical Mechanics	2017-18	skill development and employability: Students understand the basics of Thermodynamics and Statistical systems and the concepts to test distribution laws and solve physical problems
MS17MT204	Statistical Methods - li	2017-18	Skill development and Employability : This course will provide work with data scientists and data analytics. Using existing and newly-developed principles, mathematicians can develop statistical models to analyze data. They can then use this analysis to support business decisions, and possibly develop strategies to improve the performance of a company or organization.
MS17MT103	Statistical Methods-I	2017-18	Skill development and employability: Analyse the data numerically and graphically, the measures of location and measure of dispersion for grouped and ungrouped datas, the classical optimization techniques and numerical methods of optimization. the concepts of probability models to the real-world problems. This course will provide work with data scientists and data analytics.
MS17MT324	Statistical Methods-iii	2017-18	Skill development and employability : In this course the student will learn to perform Analyse the basic concepts and application of sampling theory, Analyse different types of sampling methods, Apply sampling theory to the area of demography and time-series analysis concept to solve statistical problems.
BCOM15F6200	Stock And Commodity Markets	2017-18	Employability, Entrepreneurship and skill development and employability: Students will be acquainted with the basic concepts of the stock market and the process of registration and they can also trade in the stock markets.
BTCS15F8110	Storage Area Networks	2017-18	Entrepreneurship, Employability: Students are trained with Network storage that plays an important aspect of a company's health and productivity. With a good storage management solution, small businesses can maximize server performance, simplify data management, back up important data, <u>improve application availability, and be prepared in case of disaster.</u>
MCOM16F4A10	Strategic Cost Management	2017-18	skill development and employability - Students will apply problem solving methodology to generate innovative solutions to organisations! effectiveness, efficiency and key short-term and long term drivers of these performance dimensions.
MCOM16F3F30	Strategic Credit Management	2017-18	Employability: Students learn about the sound lending decisions by a bank, the process of evaluation of the loan proposal.
BBHO16F4400	Strategic Human Resource Management & Competency	2017-18	Employability - This course helps students to be more familiar with the advance HR functions. This course is designed to create symbiotic relationship between strategy and HR function of organization to accelerate performance improvements.
BBAD15F6100	Strategic Management	2017-18	Employability, skill development and employability,: Students are introduced to various strategies adopted by the companies to run their business successfully and students also learn the skills to decipher and develop strategies for business. They analyse through various case studies and group discussion
MBAD16F4100	Strategic Management	2017-18	Employability, skill development and employability,: Students are introduced to various strategies adopted by the companies to run their business successfully and students also learn the skills to decipher and develop strategies for business. They analyse through various case studies and group discussion
BTCE16F3600	Strength Of Materials Lab	2017-18	skill development: To gain experience regarding the determination of property of material and understand how this property varies with time. To provide an opportunity to learn how to measure hardness of material.
BBHO16F4300	Stress Management And Coaching	2017-18	skill development and employability and Entrepreneurship
BTCE16F4300	Structural Analysis	2017-18	skill development: Introduce the basics of structures and energy concepts, present the concept of moment area method, conjugate beam method and unit load method to compute slopes and deflections.
MS17CH341	Structural Methods In Inorganic Chemistry	2017-18	skill development and employability and employability: Acquire the knowledge about advanced spectroscopic methods, techniques such as SEM, SAM, SPM, STM, LEED, TEM, AAS and applications.
BRAR15F6500	Structure -Vi	2017-18	Skill, Employability, :students are trained in design of special structural forms, tall structures, Earthquake resistant structures. Students are equipped to develop the structural design in steel.
BRAR15F5500	Structures-V	2017-18	skill development and employability, Employability: Students are able to design singly reinforced beams, doubly reinforced beams, cantilever beams, lintels and chejja
BA.LB163700	Summer Internship (Evaluation)	2017-18	Employability, Entrepreneurship & skill development and employability : The students get to familiarise themselves with the nature of the legal work and gets trained under NGO, trial and appellate advocates, judiciary, legal regulatory authorities, legislatures and parliament, other legal functionaries, law firms, companies, local self government and other such bodies where law is practiced either in action or in dispute resolution or in management.
MS17CH225	Supramolecular And Medicinal Chemistry-Scii.2	2017-18	skill development and employability: Acquire the knowledge of host guest theory in making supramolecular chemistry and understand the theory involved in drug design and drug activity.
MS17CH135	Surface, Interfaces And Catalysis - I.3	2017-18	skill development and employability: Acquire the knowledge of surface properties and application of adsorption isotherms, understanding the importance of catalysis and characterization techniques for solids such as PXRD, thermal studies.

BTCE16F3700	Surveying Lab	2017-18	skill development and employability & Entrepreneurship :To help students to understand the basics of linear and angular measurements in field using surveying equipments. To enable students in levelling techniques and contour map development.
BTCS15F8220	System Modeling And Simulation	2017-18	skill development and employability: Students are trained in Modelling & Simulation, Modelling is the process of representing a model which includes its construction and working.
MS17CS224	System Modelling And Simulation	2017-18	skill development and employability, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.
MPAL15F5410	System Simulation And Modelling	2017-18	skill development and employability, Employability: Students learn to implement various applications of simulations, General Principles and Simulation Software, Statistical Models and Random-Number Generation, I/O Modeling, implement Verification and validation of different models. This will enhance their employability skills.
BCOM15F5100	Taxation II	2017-18	Employability and skill development and employability: students can be well versed in Direct taxes like Income tax & its various provisions. On learning of this courses, student can become tax consultant
BTCE17F2700	Technical English-II	2017-18	skill development: Listen/view and comprehend different spoken discourses/excerpts in different accents. speak clearly, confidently, comprehensibly, and communicate with one or many listeners using appropriate communicative strategies. read different genres of texts adopting various reading strategies. write cohesively and coherently and flawlessly avoiding grammatical errors, using a wide vocabulary range, organizing their ideas logically on a topic.
BTCE17F1700	Technical English -I	2017-18	skill development :Communication enhancement
BTTC16F2700	Technical English-II	2017-18	Employability: Interpret opinions clearly and meaningfully. Demonstrate the ability to speak appropriately in social and professional contexts. Observe to build inferences from the text. Interact in interviews confidently. Develop accurate writing skills using different components of academic writing.
BTEE15F6300	Theory And Applications Of Linear Integrated Circuits	2017-18	Employability: This course gives the testing knowledge of electrical equipments operated at higher voltages and helps students to get employed in organization like CPRI etc.
MTMD17F220	Theory Of Plasticity	2017-18	Employability& Entrepreneurship: This course makes students to gain skills on material characterization of Stress and Strain. To predict the stress-strain behaviour of continuum.
BTEC15F5630	Theory Of Algorithms And Computer Based Solutions(Toa1)	2017-18	Employability/ Entrepreneurship/ skill development and employability: The goal of this course is to provide the knowledge on understanding algorithmic way to solve Engineering challenges. To provide a comprehensive look at the challenges in Engineering problems to provide an effective and efficient solution
BTCE15F7410	Theory Of Elasticity	2017-18	skill development and employability,Entrepreneurship & Employability: To learn about the general layout of buildings and detailing of staircase and column footings. To design and detail cantilever type retaining walls, circular and rectangular water tanks resting on ground.
BTME15F7440	Theory Of Plasticity	2017-18	Employability & Entrepreneurship: Demonstrate Idealized stress-strain diagrams for different material models. Demonstrate experimental verification of the Prandtl-Rouss equation. Solve Problems of metal forming
MS17MT301	Topology	2017-18	Skill development & Employability: This course will explore the foundations of mathematics (logic and set theory) at a level and depth appropriate for someone aspiring to study higher-level mathematics and/or to become a professional mathematician.
BTCE15F8530	Traffic Engineering And Management	2017-18	skill development: To educate students about the importance of traffic engineering as applied to road transportation and features of traffic characteristics. To make students familiar with the various traffic studies conducted and the methods of analyzing and presenting the data.
BTEE15F5200	Transmission And Distribution	2017-18	Employability : the course provides the strong foundation for the transmission and distribution system, that will help the students to the core industries and also to appear for competitive exams.
BTCE15F7100	Transportation Engineering III	2017-18	skill development:To educate students about the importance of highway planning, alignment, and introduce the concepts of highway geometric design to make students familiar with design elements: sight distance, horizontal curvature, super elevation, grades, visibility on vertical curves, cross section elements.
BTME15F7530	Tribology & Bearing Design	2017-18	Employability & Entrepreneurship: Demonstrate basic understanding of friction, lubrication, and wear processes. Use mathematical tools to analyze tribological processes. Become familiar with common anti-friction and anti-wear components and the lubricants used therein. Describe the detailed operation of selected anti-friction or anti-wear components. Design a tribological system for optimal performance. Develop technical project reports and technical presentations.
BTEC15F6440	Unix Network Programming	2017-18	Employability, skill development and employability: Students gaining exposure to fundamentals of TCP/IP and Transport layer protocols, TCP and UDP elementary sockets with server examples.
MTCS17F2510	Unix Operating System & Internals	2017-18	skill development and employability: Students are trained on Unix Operating System & Internals that is most widely used in all forms of computing systems such as desktop, laptop, and servers.
BTCS15F8150	User Interface Design And Development	2017-18	skill development and employability: Students will be capable to describe the basic user interface engineering definitions, concepts and principles. Apply user interface concepts and principles to analyse and evaluate a variety of approaches to user interface design. Acquire an understanding of needs and analysis of user interface /interaction, legal ,ethical, social issues. Design, develop, implement and present a new user interface for an application applying concepts and principles of user interface.
BRAR15F5700	Vacation Assignment	2017-18	skill development and employability:students are Exposed to the existing projects, trained in Translation of the existing building into drawing form and Understand the symbolic representation of elements of building
BRAR15F5810	Vernacular Architecture	2017-18	skill development and employability: Students are trained in the basic concepts and issues related to housing. They develop an Understanding and appreciation of housing in terms of issues, policies and innovative solutions
BTEC15F7340	Virtualization & Cloud Computing	2017-18	Employability,Entrepreneurship,skill development and employability: Provide knowledge in different layers of cloud computing, Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS), Illustrate the use of various cloud computing technologies. Introduce Virtualization technologies: Hypervisor, emulation, and application VM; Platform virtualization, storage virtualization, and network virtualization.Provide Introduction to cloud security and secure computation in the cloud.
17JM203	Visual Communication	2017-18	Employability and skill development and employability: Students learn explore the process of communication and study the various models of communication and use them in their work place. They develop to analyze the process, models and levels of communication and assess the various types of mass media.
BTEE15F6603	Vlsi Circuits And Design	2017-18	Employability:This is an introductory course which covers basic theories and techniques of digital VLSI design in CMOS technology. In this course, we will study the fundamental concepts and structures of designing digital VLSI systems include CMOS devices and circuits, standard CMOS fabrication processes, CMOS design rules, static and dynamic logic structures, interconnect analysis, CMOS chip layout,testing.also help them in fetching jobs in Integrated circuit design sectors.

BTCS15F7420	Vlsi Design & Algorithms	2017-18	skill development and employability: Students will be trained in VLSI design and algorithm that is used to solve some Very Large Scale Integrated Circuits (VLSI) design linear placement. problems.
MS17CH334	Water Chemistry And Treatment Technology	2017-18	skill development and employability and employability : Acquire the knowledge and understanding the significance of various water quality parameters.
BTCE16F4200	Water Supply And Sanitary Engineering	2017-18	skill development & Employability: To introduce the understanding of the fundamental scientific concepts of water supply, sources of water and characteristics of water and health issues, To introduce to the types of sewerage system, understand the various sewer material and sewer appurtenances.
BTCS15F7700	Web Applications Lab	2017-18	Employability: Students are trained in advanced Web technology that is the establishment and use of mechanism that make it possible for different computers to communicate. You can also share resources or the building blocks of an effective computer networking system.
BPAL15F6100	Web Programming	2017-18	skill development and employability, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.
BTEC15F7430	Web Programming	2017-18	skill development and employability, Employability: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.
BTEE15F6504	Web Programming	2017-18	skill development and employability and Employability: The knowledge of this course helps in creating employability as web designer, design HTML web pages for all high end graphic websites.
BPAL15F6300	Web Programming Lab	2017-18	skill development and employability, Employability, Entrepreneurship: Students are provided with conceptual and practical knowledge of web applications; Trained to acquire skills required to develop web applications and services. They are introduced with the cascading styles and Java Scripts.
BTCS15F7440	Web Technology	2017-18	Employability: Students are trained in advanced Web technology that is the establishment and use of mechanism that make it possible for different computers to communicate. You can also share resources or the building blocks of an effective computer networking system.
BTCS15F7520	Wireless And Mobile Networks	2017-18	skill development and employability: Students are trained in Wireless mobile networks that allow mobile users to access real-time information so they can roam around your company's space without getting disconnected from the network.
MPAL16F4730	Wireless Communication And Mobile Computing	2017-18	skill development and employability, Employability: Students learn the basic concepts, be aware of the GSM, SMS, GPRS Architecture, have an exposure about wireless protocols -WLN, Bluetooth, WAP, ZigBee issues, know the Network, Transport Functionalities of Mobile communication, understand the concepts of Adhoc and wireless sensor networks, impart knowledge about Mobile Application Development
BTEC15F8100	Wireless Communication And Networking	2017-18	skill development and employability, Employability: The course provides knowledge of characteristic of wireless channel, the concepts behind various digital signaling schemes for fading channels. The students are familiarized with various multipath mitigation techniques, Wireless Networks, Wireless LAN and Bluetooth Technology
MTDC16F3130	Wireless Testing And Automation	2017-18	skill development and employability: This course provides introduction about different wireless technologies like GSM GPRS, EDGE UMTS will study the development of TTCN-3, understand TTCN in detail for software testing, will know the case study Procedure-Based Communication in TTCN-3,
BTEW16F2900	Workshop Practice	2017-18	Skill development and Employability: Identify the various fitting tools. Demonstrate and produce different types of fitting models. Employability: Make simple sheet metal models and apply the skill in real.
MSBT16F3600	Yoga And Health	2017-18	skill development and employability and mind control: The student will learn and implement yogananas to control and relaxed the mind which increases the health perspective and to achieve greater heights in the profession.



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