

1.3.1: Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum								
Programme Name	Subject code	Subject Name	Professional ethics	Gender	Human values	Environment	Sustainability	Description
B.Arch	BR17AR608	Architectural Research Writing	√	√	√	√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Gender based topics, Explains the components of environment and its preservation
B.Arch	B18AR702	Professional practice values and ethics [ppve]	√			√		Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts.
B.Arch	B19AR8042	Conservation Studies	√	√	√	√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Tech Civil Engg	B20AS0303	Environmental Sciences				√		Environmental Science includes the introduction to environment, Objectives & guiding principles of Environmental education, environmental ethics
B.Arch	BR17AR5081	Vernacular Architecture	√	√	√	√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	BR17AR306	Environmental Studies	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Sc(MStCs)	B21STS211	Applied Statistics		√				This course imparts knowledge on various gender related issues like Demographic measures fertility,mortality.
B.Arch	B20AR7030	Professional Practice	P					Explains ethics and code of conduct for professional practice of architecture
B.Tech ECE	B20AS0303	Environmental Science				√		This course helps to the engineering Students to do projects on environmental issues. ECE branch students will be aware about environmental issues such as E-waste management. Students can use GIS to solve geospatial problems .They can able to understand the complex relationship between natural and human ecosystem. Design and execute scientific projects which are eco friendly. Students can able to design pollution controlled products.
B.Tech Civil Engg	B20LS0301	Indian Constitution and Professional Ethics	√	√	√			The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human values.
B.Tech Civil Engg	B20PA0501	Indian Tradition and Culture	√		√			This subject helpful in understanding the tradition, cultural and moral values in the Indian system setup.

B.Arch	B20AR5030	Energy efficient Design		✓			✓	Describes the regional sustainable architectural styles which use local materials and techniques
BA-PaEP	B18BA3020	Environmental Studies				✓		This course helps the student to understand the environment.
BA-PaEP	B18BA4050	Developmental Psychology		✓				This Paper deals with the gender Discrimination issues, identity crisis and gender role
BA-PaEP	B19BA2071	Folklore Study – Folk Dance				✓		The course deals with the folk forms with respect to the geographical and linguistic aspects.
BCA	B18CA2060	Indian Constitution & Professional Ethics	✓					To impart knowledge on Constitution of India. To facilitate the understanding of Fundamental Rights, Duties and other Rights which is been given by our law. To facilitate the understanding of Constitution perspective and make them face the world as a bonafide citizen. To attain knowledge about ethics and also know about professional ethics. Explore ethical standards followed by different companies.
BA.LL.B	B18AL2040	Law and Social Issues in India				✓		Gender sensitization, Ethics, Human Values: The aim is to look at the distribution of key social resources to groups and individuals, as well as theoretical explanations of how unequal patterns of distribution are produced, maintained, and challenged. You will also be 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
BA.LL.B	B18AL9010	Professional Ethics and Accountancy	✓				✓	Ethics, Human values: Ethics are an integral part of every profession. Every profession has certain peculiar codes of conduct and well defined norms. Advocacy being a profession of immense social relevance, and its significant role in the justice delivery system makes it a unique profession in itself and therefore it is highly desired that this profession be carried on ethically
BA.LL.B	B19AL3040	Constitutional law- I	✓	✓	✓	✓	✓	Gender sensitization, Ethics, Environment, Sustainability: The philosophy of Constitutionalism and its impact on people's lives through the implementation of Fundamental Rights will be the intellectual focus of the course.
BA PAEP	B19BA1040	Performing Arts and Art History of India		✓				This courses explains the Issues faced by the Female dancer and their contribution in the development of Arts forms
BAPAEP	B19BA2073	Folklore Study – Folk Theatre				✓		The course deals with the folk forms with respect to the geographical and linguistic aspects.

BBA.LL.B	B19BL9072	Women and Law (Honours)			✓		Gender sensitization:India is a country with diverse cultures. Irrespective of this fact, the plight of women has remained the same for all cultures and communities in India. Women, not only because of their being a weaker sex, but also due to the country's cultural drawbacks, have suffered subjugation and exploitation since ages and at all levels. Spread of education and technology has not been able to resolve women's issues; instead, the nature of issues relating to women, have further complicated and crimes aggravated.	
BSc (H) Cloud Computing & Big Data	B19BS2060	Constitution of India & Professional Ethics	✓				To impart knowledge on Constitution of India. To facilitate the understanding of Fundamental Rights, Duties and other Rights which is been given by our law. To facilitate the understanding of Constitution perspective and make them face the world as a bonafide citizen. To attain knowledge about ethics and also know about professional ethics. Explore ethical standards followed by different companies.	
BSc (H) Cloud Computing & Big Data	B19BS6030	Major Project	✓				The students will learn carrying out project work with ethical values without plagiarism.	
B.Tech ECM	B20AS0303	Environmental Science				✓	This course helps to the engineering Students to do projects on environmental issues. ECE branch students will be aware about environmental issues such as E-waste management. Students can use GIS to solve geospatial problems .Theycan able tounderstand the complex relationship between natural and human ecosystem. Design and execute scientific projects which are eco friendly. Students can able to design pollution controlled products.	
BA.LL.B	BA.LB16 6610	Human Rights Law	✓		✓		Gender sensitization,Ethics:the constitutional basis for regulating immigration into India, and, to some extent, the constitutional rights of non-citizens in the country; the history of Indian immigration law and policy	
B.Com (Honors)	B18CH6020	Legal Aspects of Business	✓			✓	✓	This course provides an overview of business law and information to help students learn about businesses becoming able enough, including links to important regulatory forms and legal aspect to link information pertaining to licenses and permits. It covers various laws related to Economic and IT laws, Environmental laws, Competition and Consumer laws.

BSc R	M18CA2020	Advanced Communicative English - I	√					Communicative English Syllabus addresses the needs of Post graduate students to enable them to use the English language effectively as day to day technical/business communication tool. To understand and use spoken English to develop proficiency in theory and communicative skills. To communicate orally in English and its usage in formal, semi-formal and official situations. To read, write and comprehend texts. To understand and use effective writing skills to express ideas and present information. To expand the use of English grammar in a stimulating and professional manner. To familiarize about adapting their listening, reading and writing for various audiences and contexts they might encounter professionally. To understand the basics of Professional Ethics.
Master of Science in Computer Science	M19MS4020	Major Project	√					The students will learn carrying out project work with ethical values without plagiarism.
MPA	M19PA1010	Dance History					√	The course helps the students to understand the Arts field and exposes the students to the Management aspect of the field. This helps the students to sustain and create new trends in the field.
MPA	M19PA1020	Natyasastra and Performing Arts				√		This helps the students to gain the knowledge about vedas and Puranas so that they apply these concepts in their future life
MPA	M19PA3010	Aesthetics in Dance, Astanayika and Navarasa			√			The course deals with the characteristics of 8 female nayikas. The emotions and the expression of each are discussed in detail.
B.Arch	BR17AR501	Architectural Design - V	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	BR17AR601	Architectural Design - VI	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	BR17AR502	Building Materials & Construction Technology - V	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	BR17AR602	Building Construction/working drawings	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	BR17AR504	Building services II	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	BR17AR604	Building Services III	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation

B.Arch	BR17AR506	Computers -II	√			√		Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	BR17AR606	Advanced computer aided design	√			√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	BR17AR4082	Contemporary architecture-Europe and other countries	√			√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of sustainability and its preservation
B.Arch	BR17AR4081	Contemporary architecture-India and rest of asia	√			√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of sustainability and its preservation
B.Arch	BR17AR4083	Contemporary architectureNorth and South America	√			√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of sustainability and its preservation
B.Arch	BR17AR503	Energy efficiency in buildings	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	BR17AR603	Estimation, Costing and Specification	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	BR17AR105	Fine Arts / Appleid Arts -II	√	√	√	√	√	Describes the regional sustainable architectural styles which use local materials and techniques
B.Arch	BR17AR5083	Housing	√	√	√	√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	BR17AR607	Landscape Architecture	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	BR17AR605	Structure -VI	√			√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	BR17AR505	Structures-V	√			√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
MSc BT	MSBT17 F1100	Cell Biology	√				√	The course helps to understand the ethics involved in altering the cell and mechanisms involved in various pathways

MSc BT	MSBT17 F1200	Molecular Genetics and Developmental Biology	√	√	√		√	The course helps students to understand the ethics involved in treating the humans and other organisms with disorders and diseases.
MSc BT	MSBT17 F1300	Microbiology	√			√	√	This subject deals with day to day life as it provides various useful and harmful microorganisms in environment and ecology
MSc BT	MSBT17 F1400	Biochemistry	√			√	√	The course explores the biochemistry of living cells of all organisms and pathways leading to manipulation and understanding.
MSc BT	MSBT17F1710	Bioinformatics	√					The subject uses various tools to dissect various genes and while handling the human samples it requires professional ethics to be followed.
MSc BT	MSBT17 F1500	Cell biology and molecular genetics Laboratory	√		√		√	The course helps the students understand the functioning of cells and also the stimuli of Cells followed by interaction of genes for the cells activity
MSc BT	MSBT17 F1600	Microbiology and Biochemistry Laboratory	√			√	√	The course helps to explore the possible microorganisms which are useful to Humanity and also various pathways of the living organisms
MSc BT	MSBT17F1720	Food science and Technology	√			√	√	The subject supplements the students about the nutrition, sources from the environment and ethics involved in getting food from the animal sources
MSc BT	MSBT17 F2100	Molecular Biology	√					The subject provides the ethics to be followed while handling the organisms.
MSc BT	MSBT17F2200	Immunology and Medical Biotechnology	√				√	The course helps the students to explore the mechanisms involved in the immunity and also methods involved in providing the immunity
MSc BT	MSBT17 F2300	Bioprocess Engineering	√			√	√	The subject helps the student to develop and formulate the products from various living sources from the environment
MSc BT	MSBT17F2400	Biochemical techniques and Enzymology	√			√	√	The course adds the knowledge about the ethics involved in isolation and various techniques to analyze the samples from living sources.
MSc BT	MSBT17F2710	Entrepreneurship and Business Plan Presentation	√		√		√	The course provides the individual about various avenues to become an entrepreneur to meet the demands of the human
MSc BT	MSBT17F2720	Forensic Biology	√	√	√	√	√	The subject helps to build the honesty in collecting the various evidences to provide the justice without manipulation to uphold the truth and human values
MSc BT	MSBT17 F3410	Animal Biotechnology	√		√	√	√	The course explores the various cells of human, birds and animals to treat the various disorders by replacing the damaged cells without affecting the honesty, human values and ethics

MSc BT	MSBT17 F3420	Toxicology	√			√	√	The course provides the guidelines about the usage of various molecules to treat the disorders and diseases without affecting the environment and ethics
MSc BT	MSBT17 F2500	Molecular Biology, Immunology and Medical Biotechnology (Practical)	√			√	√	The subject provides the various techniques that are followed in the lab to detect the disorders and without harming the environment and ethics.
MSc BT	MSBT17 F2600	Biochemical techniques and Bioprocess engineering (Practical)	√			√	√	The subject provides the various techniques that are followed in the lab to detect the disorders and without harming the environment and ethics.
MSc BT	MSBT17 F3100	Plant and Agricultural Biotechnology	√			√	√	The course provides the utilization of plant resources which are available in the environment for the benefit of human without affecting the ethics
MSc BT	MSBT17 F3200	Genetic Engineering	√		√	√	√	The subject provides the modification of genomes with techniques to get the desired products for the human welfare.
MSc BT	MSBT7F4100	Environmental Biotechnology	√			√	√	The course explores about destruction of environment and ecosystem for the benefit of human beings and efforts to treat the pollution caused by humans.
MSc BT	MSBT17F3510	Clinical Data Science	√		√	√	√	The subject provides the usage of various cells of humans, animals and birds for the benefit of human beings with regard to clinical reporting with ethics and honesty.
MSc BT	MSBT17 F3520	Biostatistics and Research Methodology	√				√	The course helps to analyze the data on environment and ecosystem without any modification.
MSc BT	MSBT17F4310	Genomics and Proteomics	√					The course focuses on analyzing the data without modification and reporting honestly
MSc BT	MSBT17 F4320	Nano Biotechnology	√			√	√	The course helps to synthesize the nanoparticles for the benefit of humans in treating disorders and diseases caused by various pathogens
MSc BT	MSBT17 F3300	Plant and Agricultural Biotechnology & Genetic Engineering Lab	√			√	√	The course provides the utilization of plant resources which are available in the environment for the benefit of human without affecting the ethics
MSc BT	MSBT17 F4200	Environmental Biotechnology (Practical)	√			√	√	The course explores about destruction of environment and ecosystem for the benefit of human beings and efforts to treat the pollution caused by humans.

MSc Chemistry	MS17CH323	Energy and Energy Conversion Systems - III.5				√		It helps the students in understanding the importance of energy resources and the national status of availability of these resources, environmental issues by non-renewable sources and interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life
MSc Chemistry	MS17CH314	Environmental Chemistry and Applied Analysis - III.4				√		It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
MSc Chemistry	MS17CH215	Chemistry of Life - II.1						It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
MSc Chemistry	MS17CH106	Organic Chemistry-I (Practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	MS17CH107	Physical Chemistry-I(Practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	MS17CH206	Inorganic Chemistry-II (practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	MS17CH207	Analytical Chemistry-II (practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	MS17CH305	Inorganic Chemistry-III (practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	MS17CH306	Organic Chemistry-III (practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	MS17CH352	Green Chemistry-III .5				√		This subject deals with using environment-friendly chemicals/solvents for the synthesis of compounds and their mechanism.
MSc Chemistry	MS17CH401	Major Project				√		It helps the students to progress in practical- oriented things and make the students face any kind of challenge
MSc Chemistry	MS17CH323	Energy and Energy Conversion Systems - III.5					√	It helps the students in understanding the importance of energy resources and national status of availability of these resources and the interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life

MSc Chemistry	MS17CH314	Environmental Chemistry and Applied Analysis - III.4					√	It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
MSc Chemistry	MS17CH215	Chemistry of Life -II.1					√	It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
MSc Chemistry	MS17CH215	Chemistry of Life -II.1	√					It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life and educates us to follow personal and professional ethics to participate in keeping a clean environment. How important to understand and implement to have a good environment with the sustainability of energy.
MSc Chemistry	MS17CH401	Major Project	√					Professional ethics are essential in any major project, as they help ensure that the project is completed with integrity, honesty, and respect for all stakeholders involved. Students should follow transparency, accountability, adherence to legal and professional ethics while conducting the scientific research projects.
MBA	MBAD16F4100	Strategic Management					√	The course enable students to develop Sustainability-driven innovation like designing green products and packaging solely on their inherent virtue. The subject focus on improving business operations and processes to become more efficient, with a goal of dramatically reducing costs and waste.
MBA	MBAD16F4200	Business Development Model					√	The course enable students to develop Sustainability-driven innovation like designing green products and packaging solely on their inherent virtue. The subject focus on improving business operations and processes to become more efficient, with a goal of dramatically reducing costs and waste.
MA English	M19EN3010	Gender Studies		√				The course familiarises the students concepts of Python Programming which exposes the students to do real time projects that booms in It world.
MA English	MSBT18F3600	Organic farming					√	Complete a Farm Business Plan, describing the marketing, operations and financials for a farm business that fits your skills, interests and farmsite.
MA English	M19EN2062	Children's Literature				√		Appraise the controversies surrounding Children's Literature and Compare the global and local treatment of children in literature and culture. Appreciate the value of multicultural children's literature in understanding other cultures through literary genres.

MA English	M19N1060	Advanced communicative skills			√			The course deals with mainly acquiring the required skills and knowledge to become a successful entrepreneur and also to function in a specific managerial discipline. It moulds the students with necessary human values which is very much required for sustaining in any of the organization or to become an entrepreneur.
MA Journalism	M19JM4031	Environmental Communication				√		Infer ways in which public discourses socially construct relationships between nature and humans and Interpret critical and cultural approaches to environmental communication
MA Journalism	M19JM3060	Media and Society					√	Relate to the debilitating influence of media in modern times and Analyze various types of media and their role in shaping the society.
MA Journalism	M19JM3020	PR & Corporate Communication					√	Construct and analyze audience research, media research, and environmental scanning and Design public relation strategy for the organization image and well-being
MA Journalism	M19JM2040	International Communication					√	Analyze critically the impact of various social and political philosophies on the media and Demonstrate an ability to apply communication to the solution of global problems
MA Journalism	M19JM3041	New Media					√	Acquire requisite technical proficiency to be an active participant in the new media culture and Assess the social, cultural and political implications of new media production and consumption process.
MA Journalism	M19JM2020	Media Laws and Management					√	Perceive various types of case studies related to media and law in India and Plan a career in commercial or non-profit businesses in such fields as politics, public service, business administration, marketing, public relations, and journalism
B.Arch	BR17AR501	Architectural Design - V	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
BCA	BPAL15F1600	Environmental Studies					√	Analyze the environmental conditions and protect it. Observe the role of individual, government and NGO in environmental protection. Search for new renewable energy resources with high efficiency through active research. Analyze the ecological imbalances and protect it. List the causes of environmental pollution & find ways to overcome them. Design pollution controlled products.
BCA	BPAL15F1500	Digital Electronics					√	To impart knowledge on basic computer design and logic. To facilitate understanding of computer logic for architecture.

BCA	BPAL15F2600	Indian Constitution & Professional Ethics						To impart knowledge on Constitution of India. To facilitate the understanding of Fundamental Rights, Duties and other Rights which is been given by our law. To facilitate the understanding of Constitution perspective and make them face the world as a bonafide citizen. To attain knowledge about ethics and also know about professional ethics. Explore ethical standards followed by different companies.
BCA	BPAL15F4510	Cryptography and Network Security					√	To impart knowledge on security threats and how to safeguard data in the cyber world using cryptographic algorithms. To facilitate security for data through encryption.
BSc (R) Cloud Computing & Big Data	BS17CB105	Environmental Studies					√	Analyze the environmental conditions and protect it. Observe the role of individual, government and NGO in environmental protection. Search for new renewable energy resources with high efficiency through active research. Analyze the ecological imbalances and protect it. List the causes of environmental pollution & find ways to overcome them. Design pollution controlled products.
BSc (R) Cloud Computing & Big Data	BS17CB205	English for Technical Communications					√	English for Technical Communications syllabus addresses the needs of graduate students to enable them to use the English language effectively as day to day technical/business communication tool. To understand and use spoken English to develop proficiency in theory and communicative skills. To communicate orally in English and its usage in formal, semi-formal and official situations. To read, write and comprehend texts. To understand and use effective writing skills to express ideas and present information. To expand the use of English grammar in a stimulating and professional manner. To familiarize about adapting their listening, reading and writing for various audiences and contexts they might encounter professionally. To understand the basics of Professional Ethics.
BSc (R) Cloud Computing & Big Data	BS17CB206	Constitution of India & Professional Ethics		√	√			To impart knowledge on Constitution of India. To facilitate the understanding of Fundamental Rights, Duties and other Rights which is been given by our law. To facilitate the understanding of Constitution perspective and make them face the world as a bonafide citizen. To attain knowledge about ethics and also know about professional ethics. Explore ethical standards followed by different companies.
BSc (R) Cloud Computing & Big Data	BS17CB704	Project Work – Phase-I	√					The students will learn carrying out project work with ethical values without plagiarism.
BSc (R) Cloud Computing & Big Data	BS17CB715	Software Project Management					√	To impart knowledge on managing the software project management. To understand the requirements from development to deployment of software.

BSc (R) Cloud Computing & Big Data	BS17CB803	Project Work– Phase-2						The students will learn carrying out project work with ethical values without plagiarism.
Master of Computer Applications	MPAL15F1500	Communicative English and Professional Ethics	✓					Communicative English Syllabus addresses the needs of Post graduate students to enable them to use the English language effectively as day to day technical/business communication tool. To understand and use spoken English to develop proficiency in theory and communicative skills. To communicate orally in English and its usage in formal, semi-formal and official situations. To read, write and comprehend texts. To understand and use effective writing skills to express ideas and present information. To expand the use of English grammar in a stimulating and professional manner. To familiarize about adapting their listening, reading and writing for various audiences and contexts they might encounter professionally. To understand the basics of Professional Ethics.
Master of Computer Applications	MPAL16F5530	Information and Network Security					√	To impart knowledge on importance of information security and threats involved and how to safeguard data in the cyber world. To facilitate security for data and skills to safeguard data.
Master of Science in Computer Science	MS17CS106	Probability & Statistics					√	The syllabus of Probability and Statistics provides the basic skills required to develop programming logic.
Master of Science in Computer Science	MS17CS401	Project Work and Dissertation	✓					The students will learn carrying out project work with ethical values without plagiarism.
MSc Mathematics	MS17MT103	Statistical Methods - I					✓	Statistical methods are useful in helping to ascertain the proper steps people need to take in order to address issues regarding rising global temperatures, climate change, ocean acidification, coastline erosion, and the like. In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Mathematics	MS17MT115	Ordinary and Partial Differential Equations					✓	In this course students study mathematical methods and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Mathematics	MS17MT106	R – Programming with Statistical Methods (Practical)					✓	In this course students study statistical tools and techniques and their applications with R-programming which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Mathematics	MS17MT201	Linear Algebra					✓	In this course students study linear algebra which helps to develop computational and mathematical models and methods which in turn helps to manage the balance of environmental, economic and societal needs for sustainable development

MSc Mathematics	MS17MT204	Statistical Methods - II				✓		In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Mathematics	MS17MT324	Statistical Methods-III				✓		In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Mathematics	MS17MT414	Mathematical Methods				✓		In this course students study mathematical methods and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Mathematics	MS17MT403	Operations Research				✓		In this course students study OR tools and techniques find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Mathematics	MS17MT405	Project Work				✓		In this course to students are encouraged to do projects in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
BBA-II	BBAD15F2400	Organization Behaviour	✓				✓	Students are familiarized with business organization and Management. Basic concepts of management and dimensions of organisational behaviour include individual behaviour, personality, perception, attitudes and values, leadership, learning and motivation. They also learn about group processes, group tasks, team-building, and conflict management with case studies.
BBA-II	BBAD15F2600	Environmental Science				✓		This course familiarizes students with environmental issues such as how to conserve, and preserve our Environment.
BBA-II	BBAD15F3400	Business law	✓					This course enlightens the students about various regulations affecting business and familiarizes the students with such regulations for the professional code of conduct of the business.
BBA-II	BBAD15F3700	Indian Constitution & human rights					✓	This course provides knowledge to the students regarding Social, economic, and political fairness are also among the goals of the Indian constitution, as is the freedom to practise any religion, any profession, or any occupation without interference from the government. A foundational set of essential rights that guarantee and safeguard their interests are guaranteed to all Indian citizens.
BBA-II	BBAD15F4100	Human Resource Management				✓		This course familiarizes the students with concepts and principles of Human Resource Management and human values.
BBA-II	BBAD15F4400	Service Management	✓					This enlightens the students about different services and prepares them with the requisite skills to manage services with professional ethics.

BBA-II	BBAD15F4M20	Consumer Behavior	✓					This course's objective is to enable the students to acquire skills in consumer behaviour. And this course provides knowledge about how to satisfy consumers with professional ethics.
BBA-II	BBAD15F4H20	Employee Relationship Management	✓		✓			This course deals with various theories and frameworks of employee relationships to enhance the organizational performance and effectiveness.
BBA-II	BBAD15F5H30	International Human Resources Management	✓					This course enlightens the students to understand various approaches and policies adopted in the international scenario in human resources management.
BBA-II	BBAD15F5H40	Performance and Compensation Management	✓		✓			This course familiarizes the students with various components of compensation and its related to PMS. And it provides knowledge on How to evaluate the performance of the employees in an ethical way and compensation for the employees as well.
BBA-II	BBAD15F6100	Strategic Management					✓	The Objective of this subject is to expose the students to various strategic issues such as strategic planning, implementation and evaluation etc. and the preparation of project reports for sustainable development.
BBA-II	BBAD15F6200	Business Ethics & Corporate Governance	✓					The objective is to provide knowledge of business ethics and values and their relevance in a modern context.
BBA-H	BBHO16F1500	Business Laws	✓					This course enlightens the students about various regulations affecting business and familiarizes the students with such regulations for the professional code of conduct of the business.
BBA-H	BBHO16F1600	Management Principles and Application	✓					The objective of the course is to provide the student with an understanding of basic management concepts, principles and practices.
BBA-H	BBHO16F1700	Environment and Public Health				✓		This course familiarizes students with environmental issues such as how to conserve, and preserve our Environment.
BBA-H	BBHO16F2500	Corporate Environment	✓					The objective is to enable the students to get familiarized with the existing Company Law and Secretarial Procedure.
BBA-H	BBHO16F2600	Organisational Psychology	✓		✓			To acquaint the students with the fundamentals of managing business and to understand individual and group behavior at work place so as to improve the effectiveness of an organization.
BBA-H	BBHO16F2700	Indian Constitution and Human Rights			✓			This course provides knowledge to the students regarding Social, economic, and political fairness are also among the goals of the Indian constitution, as is the freedom to practise any religion, any profession, or any occupation without interference from the government. A foundational set of essential rights that guarantee and safeguard their interests are guaranteed to all Indian citizens.

BBA-H	BBHO16F3500	Production and Operation Management					✓	This course provides practical knowledge on Conducting Facility planning by making location and layout decisions, plan and implementing suitable materials handling principles and practices in the operations, analysing and developing a balanced line of production & scheduling and sequencing techniques in operation environments and knowledge regarding the Quality management practices followed by the companies.
BBA-H	BBHO16F4300	Stress Management and Coaching				✓		This course provides knowledge on the physiological systems that are affected by stressors and the long-term effects and illnesses that can result from stressors, and Understand the specific applications of stress as it relates to the workplace and different target groups. And to Create effective stress management plans for individual clients and for workplace environments. Enhancing significance of training and development, performance evaluation
BBA-H	BBHO16F4400	Strategic Human Resource Management & Competency	✓			✓		This course familiarizes the students with the concepts of SHRM and various Labour Laws. This course Comprehends the different aspects of managing people in the organization. To acquaint the students with difference between HRM and SHRM.
BBA-H	BBHO16F4600	Cyber Crimes and Cyber laws	✓					This course intends to create an understanding towards cyber crimes to familiarize the students with general cyber laws' application.
BBA-H	BBH016F5200	Business Policy and Strategy	✓					This course provides knowledge on strategies that the organisations adopt for longevity success, Perform Industry analysis, apply Porter's analysis on companies, SWOC related to the company, life cycle stage the company and knowledge on factors responsible for success and sustainability for long term growth.
BBA-H	BBHO16F5H11	International Human Resource Management	✓			✓		Globalization, growing presence of multinationals with expatriate managers, cross border mergers and acquisitions and increasing diversity of workforce demands human resource to be more sensitive to cross-cultural issues and understanding of international approaches to dealing with people in organisations. The course seeks to look at HRM in a broader, comparative and international perspective to deal with complex issues and manifold risks.
BBA-H	BBHO16F5E11	Creativity Innovation and Entrepreneurship	✓				✓	This course provides an knowledge on creativity and innovations management aspects in an enterprise.
BBA-H	BBHO16F6300	Operational Research for Managerial Decision	✓				✓	This course aims to provide the basic tools of Operations research in solving management problems using the mathematical approach for decision-making.

BBA-H	BBH016F6400	Organizational Change and Development	✓				✓	This course provides information about organisation change and the need for organisation change. And provides knowledge of analysing the teamwork, organizational interventions, change process in the teams as team lead and change process in the teams as team lead.
BBA-H	BBH016F5H12	Performance Management and Competency Mapping	✓		✓			This course familiarizes the students with various components of compensation and its related to PMS. And it provides knowledge on How to evaluate the performance of the employees in an ethical way and compensation for the employees as well.
MFA	MFKP17F3300	Arts Management					✓	The course helps the students to understand the Arts field and exposes the students to the Management aspect of the field. This helps the students to sustain and create new trends in the field.
MFA	MFKP17F3200	Research Methodology	✓					The course helps the student to understand the Ethics in the field of Art.
MFA	MFKP17F4200	Ashta Nayikas - Practical -1		✓				The course deals with the characteristics of 8 female nayikas. The emotions and the expression of each discusses in detail.
MFA	MFKP17F1100	Dance History					✓	The course familiarises the students to analyze and understand the Industry and helps to create new trends in the arena.
MFA	MFKP17F2100	Art History and Choreography					✓	The course helps the students to acquire in-depth knowledge about the Art field in turn it equips the artist to create new collaborations in the field.
MFA	MFKP17F2500	Slokas (Abhinaya Darpanam) -			✓			This course deals with the moral values and inner core of the Indian Traditions
MFA	MFKP17F2700	Sanskrit					✓	This language helps the student to understand the cultural and traditional aspects of Indian Tradition. This course will lead them to preserve and sustain their understanding of the language in the field of Art
MFA	MFKP17F3100	Aesthetics in Dance					✓	This course helps the students to convey the dance form in a beautifying and an aesthetical manner.
MFA	MFKP17F3500	Individual Choreography - Practical – 2					✓	This course helps the students to create their own choreographies through the lense of history understanding of gender and Professional Ethics.
MFA	MFKP17F3600	Slokas (Natya sastra and Abhinaya Darpanam)			✓			This course deals with the moral values and inner core of Indian Traditions.
MFA	MFBN17F4400	Nattuvangam - Practical 3					✓	This course helps the students to create new choreographies through the theoretical and practical aspect of Nattuvangam which will lead to the preservation of Tradition
MSc Physics	MS17PH101	Mathematical Physics					✓	It helps the students in understanding the design of fundamental mathematics used for theorems in entire Physics.

MSc Physics	MS17PH102	Classical Mechanics					✓	To provide students a solid foundation in classical mechanics. studying the dynamics of particle systems.
MSc Physics	MS17PH103	Electronic devices					✓	To understand the basic working of Semiconducting devices and Linear Integrated Circuits, give an emphasis to the student to know the various semiconductor devices and its working
MSc Physics	MS17PH104	Condensed matter physics				✓		This course talks about the materials available in the nature and their properties under different conditions. It also helps in choosing environmental friendly materials. This introduces advanced level concepts of materials, their structure and its applications.
MSc Physics	MS17PH105	Material Science (General)					✓	To provide scientific foundation for understanding the relations among material properties, microstructure, and behavior of materials and to make the students familiar with the vocabulary for the description of the empirical facts and theoretical ideas about the various levels of structure from atoms through defects in crystals to larger scale morphology of practical materials.
MSc Physics	MS17PH106	Practical : General Physics lab I					✓	This course enable the student to explore the concepts involved in the thermodynamics and heat, basic concepts in modern optics, fundamentals of instruments involved
MSc Physics	MS17PH107	Practical : Electronics lab					✓	To familiarize the students with the basics of electronics, concepts involved in the oscillators, Ics and digital devices, fundamentals of multi-vibrators.
MSc Physics	MS17PH201	Quantum Mechanics I					✓	To illustrate the inadequacy of classical theories and the need for a quantum theory. To explain the basic principles of quantum mechanics. To develop solid and systematic problem solving skills
MSc Physics	MS17PH202	Statistical Mechanics					✓	This course may not directly deal with Environmental science, but it helps in understand the statistical nature of the universe. This course helps in modelling the probable outcomes under different conditions and also to gain statistick related knowledge. It also introduces techniques, error detection and correction mechanisms and error reporting protocols
MSc Physics	MS17PH203	Electrodynamics					✓	To introduce students the principles and applications of Electrostatics, Magneto-statics, Electrodynamics and Electromagnetic waves
MSc Physics	MS17PH215	Electronics I (Digital Electronics) -SC					✓	The course provides an overview of the electronic components used to construct high performance systems that are different from the old technology. The course discusse modern concepts and parameters related to the new devices.

MSc Physics	MS17PH225	Condensed Matter Physics I- SC				✓		This course talks about the materials available in the nature and their properties under different conditions. It also helps in choosing environmental friendly materials. This introduces advanced level concepts of materials, their structure and its applications.
MSc Physics	MS17PH235	Material Science I-SC				✓		This course talks about the materials available in the nature and their properties under different conditions. It also helps in choosing environmental friendly materials. This introduces advanced level concepts of materials, their structure and its applications. It also helps students to choose better materials depending on the applications.
MSc Physics	MS17PH206	General Physics lab II					✓	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
MSc Physics	MS17PH301	Quantum Mechanics					✓	To illustrate the inadequacy of classical theories and the need for a quantum theory. To explain the basic principles of quantum mechanics. To develop solid and systematic problem solving skills
MSc Physics	MS17PH302	Nanoscience and Nanotechnology					✓	To understand the fundamental concepts behind nanoscience and nanotechnology, synthesis and characterization of nanostructure materials and to understand the properties of nanomaterials.
MSc Physics	MS17PH303	Nuclear and Particle physics					✓	To study the general properties of nucleus, nuclear forces and nuclear reactions and concept of elementary particles
MSc Physics	MS17PH314	Electronics II (Electronic communication system)					✓	To understand the fundamental concepts of communication systems, compare different analog and digital modulation schemes and performance of communications systems
MSc Physics	MS17PH324	Condensed Matter Physics II					✓	The course is to understand the basic knowledge on magnetic, dielectric and electric properties of material, types of magnetic and dielectric materials and their applications.
MSc Physics	MS17PH334	Material Science II					✓	This course provides the knowledge about the processing, characterization and testing of Polymers, ceramics and glass materials.
MSc Physics	MS17PH315	Electronics III					✓	To analyze and design various applications using Op-amp, construct waveform generation circuits.
MSc Physics	MS17PH325	Condensed Matter Physics III					✓	This course will introduce the fundamental concepts of crystal structure and to understand the diffraction principle and use of X-rays and analyze the crystal structure using x-ray diffraction.
MSc Physics	MS17PH335	Material Science III					✓	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.

MSc Physics	MS17PH306	Astrophysics (OE)					✓	To study the astrophysical universe, ranging from solar system objects through stars, to galaxies and the structure of the universe as a whole.
MSc Physics	MS17PH307	Practical: General physics lab III					✓	To introduce the basic concepts of physics through hands on experience and impart experimental skill to students,
MSc Physics	MS17PH318	Practical: Electronics Lab (Special)					✓	Provide a strong foundation on Linear Circuits and its applications. The modulation and demodulation techniques and the conversion of data from Analog to Digital and Digital to Analog.
MSc Physics	MS17PH328	Practical : Condensed Matter					✓	Designed to explore the concepts involved in the X-ray diffraction, understand the basic concepts in absorption and Infrared spectroscopy and Hysteresis
MSc Physics	MS17PH338	Practical : Material science					✓	This course make the student familiarize with the basics of materials science, understand the fundamentals of Hall effect
MSc Physics	MS17PH401	Project/Internship					✓	It helps in choosing and dealing with environmental friendly chemicals and models. It helps the students to progress in practical oriented things and make the students to face any kind of challenge. This will raise the students morality and open mindedness.
MSc Biochemistry	MS17BC101	Organic, Biophysical, Biochemical and Environmental Toxicology					✓	Environment:This acquired knowledge fits students in various research labs and companies.
MSc Biochemistry	MS17BC102	General Physiology					✓	:Knowledge gained from different organ structure and functionals helps students fit into medical, academic and research labs for higher education.
MSc Biochemistry	MS17BC107	Laboratory cum Training – II (Enzymology and Microbiology)					✓	Skill acquired from different techniques helps students to get jobs in different industries, research labs and clinical labs
MSc Biochemistry	MS17BC201	Enzymology					✓	Environment: Fit into biotechnology industries,
MSc Biochemistry	MS17BC202	Biotechnology					✓	Environment: knowledge can adapt in industries research labs, start their own labs
MSc Biochemistry	MS17BC203	Immunology					✓	Fit into biotechnology industries,
MSc Biochemistry	MS17BC204	Biochemical Genetics					✓	Skill acquired from different techniques helps students to get jobs in different industries, research labs and clinical labs
MSc Biochemistry	MS17BC215	Bioinformatics		✓			✓	Sustainability: Skill acquired from different techniques helps students to get jobs in different industries, research labs and clinical labs
MSc Biochemistry	MS17BC303	Research methodology and Statistics	✓				✓	professional ethics and environment: Adapt the knowledge in industries, Molecular labs, and research industries
MSc Biochemistry	MS17BC304	Biochemistry in daily life					✓	Sustainability: Helps them to develop new software and also do molecular docking

MSc Biochemistry	MS17BC431	Plant and Industrial Biochemistry				✓		Environment: In different industries and forestries
MSc Biochemistry	MS17BC403	Project work- dissertation (continued from III Semester)	✓			✓		professional ethics and Environment: Jobs in forest dept and industries
B. Tech in Civil Engineering	BTCE16F3900	Architectural Planning and Design of Buildings (Manual Drawing)					√	Architectural Planning and Design of Buildings (Manual Drawing) introduces the necessity of Town planning, principles of architecture and byelaws.
B. Tech in Civil Engineering	BTCE16F4200	Water Supply and Sanitary Engineering				√		Water Supply and Sanitary Engineering introduces the concept of water supply and importance of sanitation for clean and healthy 2
B. Tech in Civil Engineering	BTCE16F4200	Water Supply and Sanitary Engineering					√	Water Supply and Sanitary Engineering introduces the concept of water supply and importance of sanitation for clean and healthy 2
B. Tech in Civil Engineering	BTCE16F4400	RCC Design of Structures					√	RCC Design of Structures introduces the concepts and principles of limit state design
B. Tech in Civil Engineering	BTCE16F4400	RCC Design of Structures	√					RCC Design of Structures introduces the usage of IS codes for design of structural elements
B. Tech in Civil Engineering	BTCE16F4500	Railways, Airways, Waterways and Tunnels					√	Railways, Airways, Waterways and Tunnels introduces importance of various transportation modes
B. Tech in Civil Engineering	BTCE16F4600	Hydrology and Irrigation Engineering					√	Hydrology and Irrigation Engineering deals with the occurrence, distribution and movement of water on the earth
B. Tech in Civil Engineering	BTCE16F5100	Highway Engineering					√	Highway Engineering introduces the importance and scope of highway engineering
B. Tech in Civil Engineering	BTCE16F5200	Soil Mechanics And Foundation Engineering					√	Soil Mechanics And Foundation Engineering introduces basic concepts of soil and foundation
B. Tech in Civil Engineering	BTCE16F5320	Industrial Waste Water Treatment				√		Industrial Waste Water Treatment introduces the effect of industrial effluents on streams and treatment of various industrial effluents
B. Tech in Civil Engineering	BTCE16F5320	Industrial Waste Water Treatment					√	Industrial Waste Water Treatment introduces the effect of industrial effluents on streams and treatment of various industrial effluents
B. Tech in Civil Engineering	BTCE16F5330	Town and Country Planning					√	Town and Country Planning introduces the importance and need of town planning
B. Tech in Civil Engineering	BTCE16F5340	Principles Of Planning And Construction Management					√	Principles Of Planning And Construction Management introduces concepts of construction resource planning
B. Tech in Civil Engineering	BTCE16F5410	Design Of Masonry Structures					√	Design of Masonry Structures introduces the procedure for earthquake resistant masonry
B. Tech in Civil Engineering	BTCE16F5410	Design Of Masonry Structures	√					Design Of Masonry Structures introduces the usage of IS codes for design of Masonry Structures

B. Tech in Civil Engineering	BTCE16F5420	Air And Noise Pollution				√		Air And Noise Pollution includes the introduction to sources and effects of air and noise pollution and Identifies the control measures of air and noise pollution
B. Tech in Civil Engineering	BTCE16F5420	Air And Noise Pollution				√		Air And Noise Pollution includes the introduction to sources and effects of air and noise pollution and Identifies the control measures of air and noise pollution
B. Tech in Civil Engineering	BTCE16F5510	Design Of Earthquake Resistant Structures				√		Design Of Earthquake Resistant Structures includes analysis of earthquake resistant structures
B. Tech in Civil Engineering	BTCE16F5510	Design Of Earthquake Resistant Structures	√					Design Of Earthquake Resistant Structures introduces the usage of IS codes for design of Earthquake Resistant Structures
B. Tech in Civil Engineering	BTCE16F5530	Water Resources Engineering				√		Water Resource Engineering introduces about about importance of water & its conservation
B. Tech in Civil Engineering	BTCE16F5800	Hydraulic Structures Design And Drawing				√		Hydraulic Structures Design And Drawing introduces reservoir planning and design criteria for dams and its components
B. Tech in Civil Engineering	BTCE16F6100	Steel Structures	√					Design of Steel Structures introduces the usage of IS codes for design of Steel Structures
B. Tech in Civil Engineering	BTCE16F6200	Prestressed Concrete and Prefabricated Structures	√					Design of Prestressed Concrete and Prefabricated Structures introduces the usage of IS codes for design of Prestressed Concrete and Prefabricated Structures
B. Tech in Civil Engineering	BTCE16F6310	Design of tall structures					√	Design of tall structures introduces the principles of stability of tall buildings,
B. Tech in Civil Engineering	BTCE16F6320	Advanced Geotechnical Engineering					√	Advanced Geotechnical Engineering includes factor of safety of Earth slope
B. Tech in Civil Engineering	BTCE16F6420	Ground Improvement Techniques					√	Ground Improvement Techniquesintroduces various techniques of ground improvement.
B. Tech in Civil Engineering	BTCE16F6430	Traffic Engineering					√	Traffic Engineering provides an insight on various elements of traffic engineering and traffic safety
B. Tech in Civil Engineering	BTCE16F6530	Occupational Hazard and Industrial Safety				√		Occupational Hazard and Industrial Safety identifies the hazards in the workplace and the decisions required to maintain protection of the 2
B. Tech in Civil Engineering	BTCE16F6530	Occupational Hazard and Industrial Safety					√	Occupational Hazard and Industrial Safety identifies the hazards in the workplace and the decisions required to maintain protection of the 2
B. Tech in Civil Engineering	BTCE16F7100	Solid Waste Management				√		Solid Waste Management gives an insight into the collection, transfer, transport and safe disposal of municipal and hazardous solid waste.
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B. Tech in Civil Engineering	BTCE16F7310	Design of Industrial Structures	√					Design of Industrial Structures introduces the usage of IS codes for design of Industrial Structures
B. Tech in Civil Engineering	BTCE16F7330	Pavement Design and Construction					√	Pavement Design and construction introduces the components of highway construction and quality checks for flexible and rigid pavement.
B. Tech in Civil Engineering	BTCE16F7340	Offshore Structures and Coastal Management					√	Offshore Structures and Coastal Management introduces design concepts of offshore structures and coastal profile and its management
B. Tech in Civil Engineering	BTCE16F7410	Advanced Prestressed Concrete					√	Advanced Prestressed Concrete introduces the requirements and applications of materials used in prestressed structures.
B. Tech in Civil Engineering	BTCE16F7420	Ground Water Engineering					√	Ground Water Engineering introduces the concepts of Groundwater and its Pollution, Different methods of artificial recharge and investigation.
B. Tech in Civil Engineering	BTCE16F7420	Ground Water Engineering					√	Ground Water Engineering introduces the concepts of Groundwater and its Pollution, Different methods of artificial recharge and investigation.
B. Tech in Civil Engineering	BTCE16F7440	Green Buildings and Green Technology					√	Green Buildings and Green Technology introduces the concepts of green buildings and its design and explains cleaner production and life cycle assessment
B. Tech in Civil Engineering	BTCE16F7440	Green Buildings and Green Technology					√	Green Buildings and Green Technology introduces the concepts of green buildings and its design and explains cleaner production and life cycle assessment
B. Tech in Civil Engineering	BTCE16F7520	Structures on Expansive Soils					√	Structures on Expansive Soils introduces occurrence and distribution of expansive soils
B. Tech in Civil Engineering	BTCE16F7530	Urban Transport Planning					√	Urban transport planning introduces the various types of smart technologies adopted for the development.
B. Tech in Civil Engineering	BTCE16F8100	Financial and Project Management	√					Financial and Project Management introduces about Economizing the projects without compromising the quality
B. Tech in Civil Engineering	BTCE16F8210	Design of Bridges					√	Design of Bridge Structures introduces provisions to carry out a design of bridges
B. Tech in Civil Engineering	BTCE16F8220	Hydro Power Engineering					√	Hydro Power Engineering introduces sources of power, design and construction of Hydro-Electric works
B. Tech in Civil Engineering	BTCE16F8230	Pavement Evaluation and Rehabilitation					√	Pavement Evaluation and Rehabilitation introduces pavement failures, causes and remedial measures
B. Tech in Civil Engineering	BTCE16F8240	Disaster Management and Mitigation					√	Disaster Management and Mitigation includes the introduction to various measures of disaster mitigation and disaster management
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B. Tech in Civil Engineering	BTCE16F8240	Disaster Management and Mitigation					√	Disaster Management and Mitigation includes the introduction to various measures of disaster mitigation and disaster management

B. Tech in Civil Engineering	BTCE16F8310	Repair and Rehabilitation of Structures					√	Repair and Rehabilitation of Structures introduces the causes of deterioration of structures and techniques used for repair of damaged structure	
B. Tech in Civil Engineering	BTCE16F8320	Environmental Impact Assessment					√	Environmental Impact Assessment includes the understanding of the impacts related to developing projects on Environment	
B. Tech in Civil Engineering	BTCE16F8320	Environmental Impact Assessment					√	Environmental Impact Assessment includes the understanding of the impacts related to developing projects on Environment	
B. Tech in Civil Engineering	BTCE16F8320	Environmental Impact Assessment	√					Environmental Impact Assessment includes the understanding of the impacts related to developing projects on Environment	
M.Tech TEM	MTTE15F2300	Urban Transport Planning					√	√	This course deals with the better planning of transport systems, such as public transport, NMT, and so on, which could help both the environment and the sustainable development of cities.
M.Tech TEM	MTTE15F3210	Sustainable Urban Transport Systems						√	The objective of the course is to provide information and skills about transport systems, the concept of sustainability, and other pertinent issues. The course covers many aspects of mass rapid transit systems, air quality management through transportation planning in large cities, and contemporary case studies.
M.Tech TEM	MTTE15F3220	Environmental Impact Assessment of Transportation Projects					√		This course deals with the process of evaluating the possible environmental implications of a planned transportation project or developments, taking into account both positive and negative inter-related socioeconomic, cultural, and human-health impacts. EIA is a technique for assessing the positive and negative environmental, economic, and social implications of a transportation-related project.
M.Tech CASE	MTTE15F2300	Urban Transport Planning					√	√	This course deals with the better planning of transport systems, such as public transport, NMT, and so on, which could help both the environment and the sustainable development of cities.
M.Tech CASE	MTTE15F3210	Sustainable Urban Transport Systems						√	The objective of the course is to provide information and skills about transport systems, the concept of sustainability, and other pertinent issues. The course covers many aspects of mass rapid transit systems, air quality management through transportation planning in large cities, and contemporary case studies.
M.Tech CASE	MTTE15F3220	Environmental Impact Assessment of Transportation Projects					√		This course deals with the process of evaluating the possible environmental implications of a planned transportation project or developments, taking into account both positive and negative inter-related socioeconomic, cultural, and human-health impacts. EIA is a technique for assessing the positive and negative environmental, economic, and social implications of a transportation-related project.

B.Tech ECE	BTES16F1500	Environmental Sciences				✓		This course helps to the engineering Students to do projects on environmental issues. ECE branch students will be aware about environmental issues such as E-waste management. Students can use GIS to solve geospatial problems .They can able to understand the complex relationship between natural and human ecosystem. Design and execute scientific projects which are eco friendly. Students can able to design pollution controlled products.	
B.Tech ECE	BTTC16F1600	Technical Communication & Documentation				✓		The objectives of this course are to Acquire language skills, Develop linguistic and communicative competencies, Study academic subjects more effectively using the theoretical and practical components of English syllabus, and hence will develop study skills and communication skills in formal and informal situations.	
B.Tech ECE	BTCV16F2300	Elements of Civil Engineering					✓	The most basic ingredient that identifies a student as an engineer is the knowledge in Elements of Civil engineering (ECE), it is a branch of science which gives the behavior of a body when the body is at rest or in motion. This subject is been introduced in the curriculum of 1st year of engineering level, since it is considered to be fundamental subject for all branches. This subject is very much essential in developing a student's ability in skill development, entrepreneurship and employability.	
B.Tech ECE	BTIC16F2600	Indian Constitution and Professional Ethics	✓					The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human values.	
B.Tech ECE	BTCE16F2700	Communicative English					✓	This course aimed at improving students' speaking, listening, reading and writing skills in English. By taking this course, students not only improve their English language skills, but also gain confidence in communicating with others in a variety of settings.	
B.Tech ECE	BTEC15F4500	Computer Organization and Operating Systems						✓	helps the students in understanding the design of fundamental blocks used for building a computer system and interfacing techniques of these blocks to achieve different configurations of an "entire computer system".course familiarises the students to concepts of computer system architecture. The course also expose the students interface I/O devices and hierarchical memory system.
B.Tech ECE	BTEC15F5100	Entrepreneurship Management and Ethical Practices	✓				✓	The course deals with mainly acquiring the required skills and knowledge to become a successful entrepreneur and also to function in a specific managerial discipline. It moulds the students with necessary human values which is very much required for sustaining in any of the organization or to become an entrepreneur.	

B.Tech ECE	BTEC15F5500	Instrumentation and Control Engineering					✓	This course provides an understanding of system modeling, time domain and frequency domain behavior of a system, stability analysis of the system and its significance, Different types of generic Controllers used in a plant to monitor, Analyze and control any automation system.
B.Tech ECE	BTEC15F7200	Computer Communication Networks					✓	The course will involve a significant amount of network simulator tool to design the basic network topologies and protocols.
B.Tech ECE	BTEC15F7610	Robotics & Automation(OE)					✓	This course introduces various microprocessor and microcontroller architectures, and memory organization. It provides the block level approach to the interfacing of various sensor and actuators. This course also provides a overview of certain interfacing communication protocols that are popular in the industry. This fundamental knowledge on microcontrollers lead to explore large number of controller families like ATMEGA, TI and PIC that are used in industrial and automation applications.
B.Tech ECE	BTEC15F8350	Cryptography and Network Security(SC8)	✓					The course involves the concept of securing the message signal from hacking or third party. It also deals with professional ethical issues about secure communication.
M.Tech DCN	MTDC16F1200	Advanced Computer Networks					✓	The Course provides the history of internet, protocols and standards, OSI model and explanation of layers to gain the knowledge. It also introduces to various media access techniques, error detection and correction mechanisms, routing and error reporting protocols. Transport layer and application layer standards and protocols.
M.Tech DCN	MTDC16F2430	Wireless Network standards	✓				✓	The course introduces wireless communication technology, protocols, standards and architecture for personal area networks. It involves a significant amount of network simulator tool to design the basic network topologies and protocols.
M.Tech DCN	MTDC16F3110	SC : Internet of Things- Practical Approach				✓	✓	Internet of Things (IoT) is presently a hot technology worldwide. Government, academia, and industry are involved in different aspects of research, implementation, and business with IoT. 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.
B.Tech EEE	BTES15F2500	Environmental Sciences				✓	✓	Imparts knowledge on biodiversity, its threats and its conservation. This course Widely covers the environmental pollution-sources, effects and and allows the students to ponder over the control measures of environmental pollution

B.Tech EEE	BTEE15F3400	Electrical Power Generation				✓	✓	This course gives knowledge on various conventional and non-conventional energy resources. It enables the students to understand the impact of effective utilisation of the energy sources on environment.
B.Tech EEE	BTEE15F5200	Transmission and Distribution				✓	✓	The student will be able to understand the need of eco friendly power transmission & distribution. The course will also impart knowledge on reducing transmission losses which contributes in energy conservation.
B.Tech EEE	BTEE15F6501	Power System Planning and Reliability				✓	✓	The course illustrates the basic concepts of Expansion planning. It also gives knowledge on load forecasting optimisation techniques which enables reliable planning .
B.Tech EEE	BTEE15F6601	Smart grid				✓	✓	Student will be able understand and differentiate between the Smart Grid and conventional grid. The course allows the students to identify its opportunities and barriers. Also the concept of microgrid and its integration with central grid allows a student to understand the importance of using non conventional energy sources which contributes to energy sustainability.
B.Tech EEE	BTEE15F7503	Non Conventional Energy Sources				✓	✓	Course imparts wide knowledge on utilising non conventional energy sources as a main source of energy replacing the conventional sources of energy. The course lays a Robust Technical Foundation For Prospective Energy Engineers to Evaluate, Commission and Operate Solar Power Plants.
B.Tech EEE	BTEE15F8303	Electrical Safety				✓	✓	Student shall be able to demonstrate different electrical safety standards and practice regularly. The course allows the student to enhance and implement the safety standards to develop a sustainable environment.
B.Tech EEE	BTEE15F8401	Management & Entrepreneurship		✓				Enables the student to develop leadership skills irrespective of gender. Imparts moral and ethical values to be followed in their professional life.
M.Tech CSE	MTCS17F1620	Robotics					✓	Discuss the fundamentals of Robotics. Explain intelligent module for robotic motion control.
M.Tech CSE	MTCS17F2300	Internet of Thing					✓	The objectives of this course are to: Provide knowledge about the basics of embedded systems and embedded system design Describe Internet-of-Things and design principles
M.Tech CSE	MTCS17F3130	Wireless Networks					✓	The objectives of this course are to: Discuss the fundamental concepts of computer networking; Make students to become Familiar with the basic taxonomy and terminology of the computer networking area;

B.Tech CSE	BTIC15F1600	Indian Constitution and Professional Ethics					√	The Constitution of India lays down in defining fundamental political principles, establishes the structure, procedures, powers and duties of government institutions and sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human values. It also helps to know the meaning of ethics and need of ethics in personal and professional life
B.Tech CSE	BTES15F2500	Environmental Science	√					This introductory course is designed to introduce you to the foundational concepts of environmental engineering, types of resources, biodiversity, threats and methods of conservation, sources and control measures of environmental pollution and ways to protect the environment.
B.Tech CSE	BTCS15F3500	Computer Organization and Architecture					√	In this course, student will learn the basics of hardware components from basic arithmetic units to memory and I/O devices, instruction set architectures and assembly language, and designs to improve performance
B.Tech CSE	BTCS15F5500	Computer Networks					√	This course provides knowledge of error detection and recovery; local area networks; bridges, routers and gateways; network naming and addressing; and local and remote procedures. This course also emphasis on User Datagram Protocol, TCP Congestion Control; DNS Message Formatting and Remote Login. Protocols
B.Tech CSE	BTCS15F7330(SC-4)	Pattern Recognition					√	The course provides an overview of the theory, principles and algorithms used to construct high performance information processing systems that learn from experience. The course discusses main and modern concepts for model selection and parameter estimation in recognition, decision making and statistical learning problems.
B.Tech CSE	BTCS15F7520(SC-6)	Wireless and Mobile Networks					√	This course will introduce to wireless communication and mobile computing. It covers the fundamentals of wireless transmission and telecommunication system such as GSM, GPRS, DECT, and UMTS. Mobile network layer and transport layers covers about mobile IP, Traditional TCP and the architecture of LTE and its protocol.
B.Tech CSE	BTCS15F6300	Cryptography and Network Security					√	This course helps develops individuals in the specific network security discipline of Ethical Hacking from a vendor-neutral perspective.
B.Com (Industry Integrated)	BCOM16F6200	Stock and Commodity Markets					√	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.

B.Com (Industry Integrated)	BCOM16F5200	Business Ethics and Corporate Governance					√	This course is a conceptual theory wherein auditing and corporate governance mechanism are discussed and practical examples of auditing techniques and work programs and real time corporate governance failures are used to illustrate the application of the theory to students.
B.Com (Industry Integrated)	BCOM16F5500	Corporate Risk Management					√	Gains knowledge regarding the principles and basic concepts of compensation management in organizations, including the role of human resources management in dealing with employees, and methods used to provide compensation. The art and science of compensation practice
B.Com (Industry Integrated)	BCOM16F5400	Business Research Methodology					√	Data manager, business analyst, and they can start their own research data collection centre and can also work as a research manager in service-oriented companies. Decision making skills, Analytical skill can be acquired.
B.Com (Industry Integrated)	BCOM16F4B11	Introduction to Banking and Insurance	√				√	Gains knowledge on services offered by various categories of banks, and it also discuss about the bank marketing and study on banking relationships
B.Com (Industry Integrated)	BCOM16F3600	Indian Constitution and Human Rights					√	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.
B.Com (Industry Integrated)	BCOM16F3400	Human Resources Management	√		√		√	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.
B.Com (Industry Integrated)	BCOM16F2700	Environmental Studies				√	√	familiarize students with environmental issues as how to conserve, preserve our Environment. Here Social issues related to environment will be undertaken by the students
B.Com (Industry Integrated)	BCOM16F1500	Micro Economics				√	√	It helps 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
B.Com (Honors)	B18CH1040	Industrial Economy of India					√	Enables the students to receive the knowledge of industrial economics and to comprehend concept of theories of firm.
B.Com (Honors)	B18CH1060	Indian Constitution and Human Rights					√	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.

B.Com (Honors)	B18CH1080	Sports/Yoga/Dance/Music/Theatre			√		√	explains the human values through the dance/drama/music
B.Com (Honors)	B18CH2050	Office Management and Secretarial Practice	√				√	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.
B.Com (Honors)	B18CH2060	Environmental and Public Health				√	√	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.
B.Com (Honors)	B18CH3050	Human Resources Management			√		√	The course familiarizes the students with the different aspects of managing human resources in the organization 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.
B.Com (Honors)	B18CH4211	Stock and Commodity Market					√	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.
B.Com (Honors)	B18CH4212	Financial Derivatives					√	Students Understand the different types of the financial derivatives and factors contributing for the growth of the derivatives in India
B.Com (Honors)	B18CH3070	Leadership and Team Development					√	It enables student to become a more effective leader, manager or supervisor through practical skill-based learning and also understand importance of Goal setting to develop the Skills and the techniques required and to create awareness about time management
B.Com (Honors)	B18CH5040	Auditing and Corporate Governance					√	The course provides the Comprehensive grounded knowledge of auditing. They learn about various theories and model of corporate governance. Student will also be understanding about corporate social responsibility
M.Com	MCOM16F1500	Economics for Business Decisions				√	√	This course provides an overview of macroeconomic issues: the determination of output, employment, unemployment, interest rates, and inflation. Monetary and fiscal policies are discussed.
M.Com	MCOM16F1400	Operations Research and Quantitative Techniques					√	Students shall employ the various measures of central tendency, measures of skewness and dispersion and learn about Operations research and Linear programming.
M.Com	MCOM16F2200	Business Ethics and Corporate Governance					√	Understand ethical components of managerial decision making and Develop thinking and analytical skills using ethical frameworks Understand the role of CSR in

M.Com	M18MC1060	International Business	√				√	" Help students to identify and recognize the operations of international business and understand the existing financial system in foreign trade.
M.Com	MCOM16F2300	Advanced Cost Accounting					√	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 nonmanufacturing companies.
M.Com	MCOM16F2400	Strategic Financial Management					√	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.
M.Com	MCOM16F3100	Business Research Methods					√	Students will get knowledge about how to write the research articles and project reports.
M.Com	MCOM16F4A10	Strategic Cost management					√	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.
M.Com	MCOM16F4A20	Corporate Financial Reporting					√	Students will understand the conceptual frameworks of financial reporting this will enable the student to make sound financial decisions.
M.Com	MCOM16F3F10	Compensation Management And Employee Welfare Laws			√		√	Students will be able to promote understanding of issues related to compensation management in corporate sector and public services and to impart skill in designing compensation management system, policies and strategies, apart from promoting understanding of legal issues in the administration of compensation, welfare and social security.
BA.JEP	B19BJ1010	Environmental Science				√	√	Environmental Science necessarily demands an inter-disciplinary approach, uniqueness of the subject is borne out by the new epistemological outlook which ecology-related knowledge has brought about in recent times.
BA.JEP	B19BJ1040	Journalism - I (Introduction to Media & Communication)					√	Construct and analyze audience research, media research, and environmental scanning and Design public relation strategy for the organization image and well-being
BA.JEP	B19BJ3051	Media Studies**					√	Relate to the debilitating influence of media in modern times and Analyze various types of media and their role in shaping the society.
BA.JEP	B19BJ6010	Journalism -VII (Media Management)					√	Perceive various types of case studies related to media and law in India and Plan a career in commercial or non-profit businesses in such fields as politics, public service, business administration, marketing, public relations, and journalism

BA.JEP	B19BJ6021	Journalism -VIII (A)(New Media)					√	Acquire requisite technical proficiency to be an active participant in the new media culture and Assess the social, cultural and political implications of new media production and consumption process.
BA.JEP	B19BJ2010	Indian Constitution and Human Rights				√		The philosophy of Constitutionalism and its impact on people's lives through the implementation of Fundamental Rights will be the intellectual focus of the course.
BA.JEP	B19BJ5010	Journalism -V (Media Laws & Ethics)	√					Define basic legal terminology and to practice the best contemporary ethical and professional journalism
BA.LL.B	BA.LB16 1500	Sociology-I				√		Gender sensitizationTo apply sociological theories to a myriad of contemporary justice problems. Use knowledge on sociological theories to analyse contemporary problems of Indian society, and critically reflect on media reports and cultural products concerning justice issues.
BA.LL.B	BA.LB16 2400	Sociology-II				√		Gender sensitization,Ethics, Human Values:The aim is to look at the distribution of key social resources to groups and individuals, as well as theoretical explanations of how unequal patterns of distribution are produced, maintained, and challenged. You will also be 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
BA.LL.B	BA.LB16 2200	Political Science –II				√		Gender sensitization:. All the great human events in history were probably achieved by what we today would call public administration. Organization and administrative practices in collective or public settings are as old as civilization. The field of public policy has assumed considerable importance in response to the increasing complexity of the government activity.
BA.LL.B	BA.LB16 3500	Political Science (International Relations)				√		Gender sensitization:-the basics of Public International Law and practice and the "general" part of international law, i.e. questions of law making, sovereignty, jurisdiction, responsibility, enforcement, the settlement of disputes, and specific topics such as the use of force.
BA.LL.B	BA.LB16 5100	Administrative Law				√		Gender sensitization,Ethics: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 Administrative lawyering in India.

BA.LL.B	BA.LB16 4100	Family Law – I	✓		✓	✓		Gender sensitization, ,Ethics::It attempts to examine the legal principles and the legalese, in connection with, Hindu marriage and Divorce, Inheritance and Succession to property, Guardianship, Maintenance and Adoption
BA.LL.B	BA.LB16 5400	Company Law			✓		✓	Sustainability, Gender sensitization:the development of students' skills in legal reasoning and analysis through study of statutes, case law and regulatory practice relating to Company Law.
BA.LL.B	BA.LB16 5200	Labour and Industrial Law – I			✓			Gender sensitization:to be acquainted with the Industrial relations framework in our country. Further, the importance of the maintenance of Industrial peace
BA.LL.B	BA.LB16 6620	Cyber Law	✓		✓			Gender sensitization,Ethics:aims at appreciating one of the important emerging areas of law and the nitty-gritty involved in it.The underlying philosophy of the subject and its relation to other areas focusing on human rights.
BA.LL.B	BA.LB16 9540	Criminology		✓	✓			Gender sensitization,Environment,Ethics:4. To provide basic knowledge with regard to the most important case-law of international criminal courts and tribunals.
BA.LL.B	B18AL3040	Constitutional law- I	✓	✓	✓	✓	✓	Gender sensitization, Ethics,Environment ,Sustainability:The philosophy of Constitutionalism and its impact on people's lives through the implementation of Fundamental Rights will be the intellectual focus of the course.
BA.LL.B	B18AL7010	Environmental Law		✓		✓	✓	Sustainability, Environment,Human values:Environmental law necessarily demands an inter-disciplinary approach,uniqueness of the subject is borne out by the new epistemological outlook which ecology-related knowledge has brought about in recent times.
BA.LL.B	B18AL7030	International Huma Rights Law	✓		✓			Gender sensitization,Ethics:The understanding of human rights is the foundation for the development of a good citizen and a responsible legal professional.
BA.LL.B	B18AL8020	International Humanitarian & Refugee Law	✓		✓			Gender sensitization,Ethics:to introduce to international humanitarian law and to international refugee law, to examine the protection of refugees under both sets of laws, to survey the sources of IHL and IRL, to outline the substantive law within each domain and to introduce their respective attendant international institutional frameworks.

BA.LL.B	B18AL8072	Media Law			✓			Gender sensitization:Mass communication from the days of printing press has played a very important role in the formation of public opinion. Advancement in science and technology has changed the scope and dimensions of mass communication. ICT has created digital era for us.
BA.LL.B	B18AL9072	Women and Law (Honours)			✓			Gender sensitization:India is a country with diverse cultures. Irrespective of this fact, the plight of women has remained the same for all cultures and communities in India. Women, not only because of their being a weaker sex, but also due to the country's cultural drawbacks, have suffered subjugation and exploitation since ages and at all levels. Spread of education and technology has not been able to resolve women's issues; instead, the nature of issues relating to women, have further complicated and crimes aggravated.
BBA.LL.B	BA.LB16 7400	Client Interviewing Counseling &	✓					Ethics, Ethics are an integral part of every profession. Every profession has certain peculiar codes of conduct and well-defined norms. Advocacy is a profession of immense social relevance, and its significant role in the justice delivery system makes it a unique profession in itself therefore it is highly desired that this profession be carried on ethically
BBA.LL.B	BBBL16F5500	Public International Law			✓			Gender sensitization:-the basics of Public International Law and practice and the "general" part of international law, i.e. questions of law making, sovereignty, jurisdiction, responsibility, enforcement, the settlement of disputes, and specific topics such as the use of force.
BBA.LL.B	BBBL16F5100	Administrative Law	✓		✓			Gender sensitization,Ethics: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 Administrative lawyering in India.
BBA.LL.B	BBBL16F4100	Family Law -I	✓		✓			Gender sensitization, ,Ethics::It attempts to examine the legal principles and the legalese, in connection with, Hindu marriage and Divorce, Inheritance and Succession to property, Guardianship, Maintenance and Adoption
BBA.LL.B	BBBL16F5400	Company Law	✓		✓		✓	Sustainability, Gender sensitization:the development of students' skills in legal reasoning and analysis through study of statutes, case law and regulatory practice relating to Company Law.

BBA.LL.B	BBBL16F5200	Labour Law -I			✓			Gender sensitization:to be acquainted with the Industrial relations framework in our country. Further, the importance of the maintenance of Industrial peace
BBA.LL.B	BBBL16F1600	Information Technology Fundamentals	✓		✓			Gender sensitization,Ethics:aims at appreciating one of the important emerging areas of law and the nitty-gritty involved in it.The underlying philosophy of the subject and its relation to other areas focusing on human rights.
BBA.LL.B	BBBL16F9540	Criminology	✓	✓	✓			Gender sensitization,Environment,Ethics:4. To provide basic knowledge with regard to the most important case-law of international criminal courts and tribunals.
BBA.LL.B	BBBL16F9530	International Humanitarian and Refugee Law	✓		✓			Gender sensitization,Ethics:the constitutional basis for regulating immigration into India, and, to some extent, the constitutional rights of non-citizens in the country; the history of Indian immigration law and policy
BBA.LL.B	BBBL16F2200	Organizational Behaviour			✓	✓		Gender sensitization ,Human values:To familiarize students with the different aspects of managing Human Resources in the Organization through the phases of acquisition, development and retention.
BBA.LL.B	BBBL16F3700	Business Policy and Strategic Management			✓	✓		Gender sensitization ,Human values:To familiarize students with the different aspects of managing Human Resources in the Organization through the phases of acquisition, development and retention.
BBA.LL.B	B18BL7010	Environmental Law					✓	Sustainability, Environment,Human values:Environmental law necessarily demands an inter-disciplinary approach,uniqueness of the subject is borne out by the new epistemological outlook which ecology-related knowledge has brought about in recent times.
BBA.LL.B	B18BL7030	International Human Rights Law	✓		✓			Gender sensitization,Ethics:The understanding of human rights is the foundation for the development of a good citizen and a responsible legal professional.
BBA.LL.B	B18BL8020	International Humanitarian & Refugee Law	✓		✓			Gender sensitization,Ethics:to introduce to international humanitarian law and to international refugee law, to examine the protection of refugees under both sets of laws, to survey the sources of IHL and IRL, to outline the substantive law within each domain and to introduce their respective attendant international institutional frameworks.

BBA.LL.B	B18BL8072	Media Law			✓			Gender sensitization:Mass communication from the days of printing press has played a very important role in the formation of public opinion. Advancement in science and technology has changed the scope and dimensions of mass communication. ICT has created digital era for us.
BBA.LL.B	B18BL9010	Professional Ethics and Accountancy	✓			✓		Ethics, Human values:Ethics are an integral part of every profession. Every profession has certain peculiar codes of conduct and well defined norms. Advocacy being a profession of immense social relevance, and its significant role in the justice delivery system makes it a unique profession in itself and therefore it is highly desired that this profession be carried on ethically
BBA.LL.B	B18BL9072	Women and Law (Honours)			✓			Gender sensitization:India is a country with diverse cultures. Irrespective of this fact, the plight of women has remained the same for all cultures and communities in India. Women, not only because of their being a weaker sex, but also due to the country's cultural drawbacks, have suffered subjugation and exploitation since ages and at all levels. Spread of education and technology has not been able to resolve women's issues; instead, the nature of issues relating to women, have further complicated and crimes aggravated.
BBA.LL.B	BBBL16F3500	Cost and Management Accounting	✓					Ethics, Human values:Ethics are an integral part of every profession. Every profession has certain peculiar codes of conduct and well defined norms. Advocacy being a profession of immense social relevance, and its significant role in the justice delivery system makes it a unique profession in itself and therefore it is highly desired that this profession be carried on ethically
BBA.LL.B	BBBL16F2500	Financial Accounting	✓					Ethics, Human values:Ethics are an integral part of every profession. Every profession has certain peculiar codes of conduct and well defined norms. Advocacy being a profession of immense social relevance, and its significant role in the justice delivery system makes it a unique profession in itself and therefore it is highly desired that this profession be carried on ethically
B.Tech ME	BTIC16F1600	Indian Constitution and Professional Ethics	✓					The course deals with the Indian Constitution which guarantees the basic human rights, remedies and special provisions relating to certain classes which is most important to pronounce human rights and value.

B.Tech ME	BTES16F2500	Environmental Sciences				✓		Environmental Science includes the introduction to environment, Objectives & guiding principles of Environmental education, environmental ethics
B.Tech ME	BTME16F5640	Power Plant Engineering					✓	The course contains the details of steam and gas thermal power plants, hydro power plants, nuclear power plants, along with solar, wind and geothermal energy power systems in addition to the direct energy conversion.
B.Tech ME	BTME16F6510	Refrigeration and Air Conditioning				✓		The course consists of different refrigeration cycles and understanding of psychrometry and psychrometric processes used for the purpose of air-conditioning. Further, the comfort air-conditioning and indoor environment health are also addressed in this course.
B.Tech ME	BTME16F6610	Renewable Energy Resources					✓	The course is designed to familiarize and train the student with the tools and techniques used to assess the various renewable energy resources and its potential at any location across the globe, so that a student is able analyse a case quantitatively at the end of the term.
B.Tech ME	BTME16F8310	Biomass Energy Systems					✓	The course provides in-depth knowledge of fuel characterisation, treatment and conversion technologies, environmental consequences, and resource utilisations related to bioenergy.
MSc Chemistry	M18CH3342	Energy and Energy Conversion Systems - III.5				✓		It helps the students in understanding the importance of energy resources and the national status of availability of these resources, environmental issues by non-renewable sources and interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life
MSc Chemistry	M18CH3441	Environmental Chemistry and Applied Analysis - III.4				✓		It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
MSc Chemistry	M18CH2051	Chemistry of Life - II.1				✓		It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
MSc Chemistry	M18CH1060	Organic Chemistry-I (Practical)				✓		This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M18CH1070	Physical Chemistry-I(Practical)				✓		This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M18CH2070	Inorganic Chemistry-II (practical)				✓		This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M18CH2080	Analytical Chemistry-II (practical)				✓		This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.

MSc Chemistry	M18CH3070	Inorganic Chemistry-III (practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M18CH3080	Organic Chemistry-III (practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M18CH4041	Advanced organic chemistry lab-IV.1				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M18CH4042	Advanced Inorganic chemistry lab-IV.2				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M18CH3242	Green Chemistry-III .5				√		This subject deals with using environment-friendly chemicals/solvents for the synthesis of compounds and their mechanism.
MSc Chemistry	M18CH4010	Major Project				√		It helps the students to progress in practical- oriented things and make the students face any kind of challenge
MSc Chemistry	M18CH3342	Energy and Energy Conversion Systems - III.5					√	It helps the students in understanding the importance of energy resources and national status of availability of these resources and the interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life
MSc Chemistry	M18CH3441	Environmental Chemistry and Applied Analysis - III.4					√	It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
MSc Chemistry	M18CH2051	Chemistry of Life -II.1					√	It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
MSc Chemistry	M18CH2051	Chemistry of Life -II.1	√					It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life and educates us to follow personal and professional ethics to participate in keeping a clean environment. How important to understand and implement to have a good environment with the sustainability of energy.
MSc Chemistry	M18CH4010	Major Project	√					Professional ethics are essential in any major project, as they help ensure that the project is completed with integrity, honesty, and respect for all stakeholders involved. Students should follow transparency, accountability, adherence to legal and professional ethics while conducting the scientific research projects.
MBA	M18MB2030	BUSINESS RESEARCH METHODS	√				√	The course enable the reserch foundation which further can be base of sustainanibility in business organizations and it also include the ethical behaviour of resercher.

MBA	M18MB3611	GLOBAL BUSINESS ENVIRONMENT				√		The course gives detailed understanding on Macro and Micro environment of international firms which affect their business decision
MBA	M18MB4112 &M21MKS421	International Marketing				√		The course gives detailed understanding on Macro and Micro environment of international firms which affect their business decision
MBA	M18MB4211 & M21MKS433	International Human Resource Management & Global HRM		√				The course gives detailed understanding on Macro and Micro environment of international firms which affect their business decision
MBA	M18MB4611	International Trade Procedures and Documentation				√		The course gives detailed understanding on Macro and Micro environment of international firms which affect their business decision
B.Arch	B18AR3070	Computer applications in Architectural Design-I	√			√		Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	B18AR8010	ARCHITECTURE DESIGN VII [AD-VIII]	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	B18AR2010	Architectural Design-I	√	√	√	√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	B18AR2050	Architectural Model Making/Art Appreciation	√	√	√	√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	B18AR1030	Architectural Representation - I	√			√		Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	B18AR2030	Architectural Representation-II	√		√	√		Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	B18AR1010	Basic Design and Visual Art	√	√		√	√	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	B18AR6040	BUILDING SERVICES - 1V [BS-IV]	√			√		Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation

B.Arch	B18AR5060	History of Architecture-V: Contemporary Architecture	✓	✓	✓	✓	✓	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	B18AR7063	Fundamentals of Interior Design	✓		✓	✓	✓	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	B18AR6052	Digital architecture	✓	✓	✓	✓	✓	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	B18AR6051	Architectural Research Writing	✓	✓	✓	✓	✓	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
B.Arch	B18AR801	Professional Training-I	✓	✓		✓	✓	Explains ethics and code of conduct for professional practice of architecture,Explains the primary acts , laws and rights of citizens,Explains the components of environment and its preservation
BSc BMCs	B18MC2030	Biochemistry & Microbiology				✓		The biochemical and microbiological experiments which are conducted at the lab with regard to the microorganisms or the reagents should not be released directly into the environment as they affect the balance of the ecological systems
BSc BMCs	B18MC2060	Environmental Science				✓		The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it affects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
BSc BMCs	B18MC2080	Biochemistry & Microbiology Lab				✓		The biochemical and microbiological experiments which are conducted at the lab with regard to the microorganisms or the reagents should not be released directly into the environment as they affect the balance of the ecological systems
BSc BMCs	B18MC1030	Molecular Biology and Genetic engineering			✓			This course enriches the knowledge and understanding of the genomes and diseases associated with the humans and their treatment by using advanced techniques for the welfare of humans
BSc BMCs	B18MC1070	Molecular Biology and Genetics Lab			✓			This course gives an hands on experience and Ethics on using the subjects required for the experimentation and interpret the data obtained and also helps in understanding the human values in for genetic disorders and physically challenged

BSc BMCs	B18MC6020	Operations Research - I	✓					This course will help the students to understand the business ethics and protection of human values
BSc BMCs	B18MC1060	Constitution of India			✓			Students will learn and understand human rights and fundamental aspects of life and career
BSc BMCs	B18MC3030	Bioinformatics & Biostatistics	✓					Students can understand the concepts of biological data stored in the databases and to analyze the expression of genes in all the organisms
BSc BMCs	B18MC3090	Bioinformatics & Biostatistics Lab	✓					students will get expertised in the field of bioinformatics to predict genes, proteins and expression characters
BSc BMCs	B18MC4030	Bioperl & Biopython	✓					Students can learn the basic programming skills on biological data accession analysis and interpretation
BSc BMCs	B18MC4070	Bioperl & Bio python Lab	✓					Students can able to develop bio-algorithms to predict biological data
BSc BMCs	B18MC5010	(Genomics & Proteomics)	✓					Students can understand and analyze sequencing data and to interpret the diseases and functional activities of cells
BSc BMCs	B18MC5041	Data mining & Artificial Intelligence	✓					Students can able develop data storage and analysis skills to predict large data sets using advanced artificial intelligence techniques
BSc BMCs	B18MC5042	Data mining & warehousing	✓					Students can able develop data storage and analysis skills to predict large data sets
BSc BMCs	B18MC5080	Genomics and Proteomics Lab			✓			Students design and analyze the genomic data accessed from publically available databases and interpret the functional activities
BSc BMCs	B18MC5090	Programming using R	✓					Students can use computational methods to predict the statistical data using programming language such as R
BSc BMCs	B18MC6010	Chemo informatics & Drug designing	✓					Students can able to understand the disease targets and to predict the targeted drugs for the treatment of diseases using computational methods
BSc BMCs	B18MC6041	Medical Informatics			✓			Understand the clinical data and medical case studies can be stored and analyzed using information technology to advance the health care industry
BSc BMCs	B18MC6042	Structural Chemistry	✓					Students can able to develop the structure of chemicals using computational method and understand the toxicity using virtual based method.
BSc BMCs	B18MC6070	MOOC/SWA YAM/Internship	✓					Students can enhance the technical skills to improve the competency for current job opportunities.

BSc BMCs	B18MC6090	Chemoinformatics & Drug designing Lab			✓			Students can able to design and develop drug to the disease targets and to predict the physicochemical properties for the treatment of disease
BCA	B18CA1060	Environmental Studies				✓		Analyze the environmental conditions and protect it. Observe the role of individual, government and NGO in environmental protection. Search for new renewable energy resources with high efficiency through active research. Analyze the ecological imbalances and protect it. List the causes of environmental pollution & find ways to overcome them. Design pollution controlled products.
BCA	B18CA1040	Digital Logic and Computer Architecture					✓	To impart knowledge on basic computer design and logic. To facilitate understanding of architecture of computer.
BSc R	B18BS1050	Environmental Studies				✓		Analyze the environmental conditions and protect it. Observe the role of individual, government and NGO in environmental protection. Search for new renewable energy resources with high efficiency through active research. Analyze the ecological imbalances and protect it. List the causes of environmental pollution & find ways to overcome them. Design pollution controlled products.
BSc R	B18BS1060	Technical English	✓					Technical English syllabus addresses the needs of graduate students to enable them to use the English language effectively as day to day technical/business communication tool. To understand and use spoken English to develop proficiency in theory and communicative skills. To communicate orally in English and its usage in formal, semi-formal and official situations. To read, write and comprehend texts. To understand and use effective writing skills to express ideas and present information. To expand the use of English grammar in a stimulating and professional manner. To familiarize about adapting their listening, reading and writing for various audiences and contexts they might encounter professionally. To understand the basics of Professional Ethics.
BSc R	B18BS2050	Constitution of India & Professional Ethics	✓					To impart knowledge on Constitution of India. To facilitate the understanding of Fundamental Rights, Duties and other Rights which is been given by our law. To facilitate the understanding of Constitution perspective and make them face the world as a bonafide citizen. To attain knowledge about ethics and also know about professional ethics. Explore ethical standards followed by different companies.
BSc R	B18BS2040	Probability and statistics					✓	The syllabus of Probability and Statistics provides the basic skills required to develop programming logic.

BSc R	B18BS5042	Information Security and Cryptography					√	To impart knowledge on security threats and how to safeguard data in the cyber world using cryptographic algorithms. To facilitate security for data through encryption.
BSc R	B18BS7040	Project Work – Phase-1	√					The students will learn carrying out project work with ethical values without plagiarism.
BSc R	B18BS8030	Project Work– Phase-2	√					The students will learn carrying out project work with ethical values without plagiarism.
BSc R	M18CA4052	Cyber Law and IT security					√	To impart knowledge on importance of information security and threats involved and how to safeguard data in the cyber world. To facilitate security for data and skills to safeguard data.
BSc R	M18MS1050	Probability & Statistics	√					The syllabus of Probability and Statistics provides the basic skills required to develop programming logic.
BSc R	M18MS4020	Major Project	√					The students will learn carrying out project work with ethical values without plagiarism.
MSc Maths	M18MT1030	Statistical Methods - I				√	√	Statistical methods are useful in helping to ascertain the proper steps people need to take in order to address issues regarding rising global temperatures, climate change, ocean acidification, coastline erosion, and the like. In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Maths	M18MT1050	Ordinary and Partial Differential Equations				√	√	In this course students study mathematical methods and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Maths	M18MT1060	R – Programming with Statistical Methods (Practical)				√	√	In this course students study statistical tools and techniques and their applications with R-programming which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Maths	M18MT2010	Linear Algebra				√	√	In this course students study linear algebra which helps to develop computational and mathematical models and methods which in turn helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Maths	M18MT2040	Statistical Methods - II				√	√	In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development

MSc Maths	M18MT2070	Sports/Yoga/music/dance/theatre	✓		✓			It gives students the opportunity to build motor skills, coordination, movement, and learn important life lessons such as discipline, persistence, patience, teamwork and cooperation, and stress-management skills. They are expected to inculcate these learnings to effect positive change in their personal and professional life in future.
MSc Maths	M18MT3042	Statistical Methods-III				✓	✓	In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Maths	M18MT3041	Mathematical Methods				✓	✓	In this course students study mathematical methods and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Maths	M18MT3050	MOOC / Swayam / Internship				✓	✓	In this course to students are encouraged to take up online learnings through MOOC/SWAYAM and do projects/internships in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Maths	M18MT3060	Soft Skill Training			✓		✓	Explains human values and professional ethics through soft skill training
MSc Maths	M18MT4021	Operations Research				✓	✓	In this course students study OR tools and techniques find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development
MSc Maths	M18MT4060	Project Work				✓	✓	In this course to students are encouraged to do projects/internships in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
BSc MStCs	BSMS18F1060	Constitution of India and Professional Ethics	✓					It helps the students to explain the Indian constitutional provisions, fundamental rights and human rights and follow them and Explain the duties and more importantly practice them in a right way. Adopt the habit of raising their voice against a unconstitutionality of any laws and upon any legal discrimination as we have session of debates on Constitutional validity.
BSc MStCs	BSMS18F2060	Environmental Science				✓	✓	The objective of this course is to enlighten the students about the importance of the protection and conservation of our environment and control of human activities which has an adverse effect on the environment which helps to manage the balance of environmental, economic and societal needs for sustainable development.

BSc MStCs	BSMS18F2070	Sports/Yoga/music/dance/theatre	✓		✓			It gives students the opportunity to build motor skills, coordination, movement, and learn important life lessons such as discipline, persistence, patience, teamwork and cooperation, and stress-management skills. They are expected to inculcate these learnings to effect positive change in their personal and professional life in future.
BSc MStCs	BSMS18F5071	Statistical Quality Control				✓	✓	The course helps the students to understand the factors and phenomena to enhance the sustainability.
BSc MStCs	BSMS18F5090	Soft Skill Training	✓		✓			Explains human values and professional ethics through soft skill training
BSc MStCs	BSMS18F6051	Applied Statistics		✓				This course imparts knowledge on various gender related issues like Demographic measures fertility, mortality.
BSc MStCs	BSMS18F6020	Operations Research				✓	✓	In this course students study OR tools and techniques find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development
BSc MStCs	BSMS18F6052	Econometrics				✓	✓	In this course students study econometric methods and models and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
BSc MStCs	BSMS18F6053	Actuarial Statistics				✓	✓	This course equip students to apply mathematical and statistical knowledge in the field of insurance and finance which helps to manage the balance of environmental, economic and societal needs for sustainable development..
BSc MStCs	BSMS18F6061	Computer Networks				✓	✓	In this course Students will gain knowledge about networks, networks internal components and its functionality which helps to manage the balance of environmental, economic and societal needs for sustainable development.
BSc MStCs	BSMS18F6070	MOOC/SWAYAM/Internship				✓	✓	In this course to students are encouraged to take up online learnings through MOOC/SWAYAM and do projects/internships in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
BSc MStCs	BSMS18F6300	Computer Science Project Work				✓	✓	In this course to students are encouraged to do projects in computer science and its related disciplines using mathematics, statistics and computer science tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development

BBA-H	B18BH1050	Management Principles and Application	✓					The objective of the course is to provide the student with an understanding of basic management concepts, principles and practices.
BBA-H	B18BH1060	Indian Constitution and Human Rights			✓			This course provides knowledge to the students regarding Social, economic, and political fairness are also among the goals of the Indian constitution, as is the freedom to practise any religion, any profession, or any occupation without interference from the government. A foundational set of essential rights that guarantee and safeguard their interests are guaranteed to all Indian citizens.
BBA-H	B18BH1070	Skill Development Course	✓				✓	The students will have to undergo a Skill Development course conducted by the training and Placement cell of the University. The aim of this course is to provide practical knowledge to the students for the sustainable development and growth in their career.
BBA-H	B18BH2060	Computer Applications in Business	✓				✓	This course provides the knowledge to the students for using the computer application in business and academics. This course provides the knowledge to construct business and academic documents using Microsoft Word, Integrate Microsoft Office applications for use in business, work with simple design and development tasks for the main types of business systems, and Investigate emerging technology in shaping new processes, strategies and business models.
BBA-H	B18BH3010	Organizational Psychology	✓		✓			To acquaint the students with the fundamentals of managing business and to understand individual and group behavior at work place so as to improve the effectiveness of an organization.
BBA-H	B18BH3020	Production and Operation Management					✓	This course provides practical knowledge on Conducting Facility planning by making location and layout decisions, plan and implementing suitable materials handling principles and practices in the operations, analysing and developing a balanced line of production & scheduling and sequencing techniques in operation environments and knowledge regarding the Quality management practices followed by the companies.
BBA-H	B18BH3050	Human Resource Management			✓			This course familiarizes the students with concepts and principles of Human Resource Management and human values.
BBA-H	B18BH3060	Environmental Studies				✓		This course familiarizes students with environmental issues such as how to conserve, and preserve our Environment.
BBA-H	B18BH3070	Ethical Values For Business	✓					This course provides a platform to learn and apply ethical values in Business and to understand the various ethical values in relevance to business.

BBA-H	B18BH4030	Business Law	✓					This course enlightens the students about various regulations affecting business and familiarizes the students with such regulations for the professional code of conduct of the business.
BBA-H	B18BH4211	International Human Resource Management	✓		✓			Globalization, growing presence of multinationals with expatriate managers, cross border mergers and acquisitions and increasing diversity of workforce demands human resource to be more sensitive to cross-cultural issues and understanding of international approaches to dealing with people in organisations. The course seeks to look at HRM in a broader, comparative and international perspective to deal with complex issues and manifold risks.
BBA-H	B18BH4212	Performance Management and Competency Mapping			✓			This course familiarizes the students with various components of compensation and its related to PMS. And it provides knowledge on How to evaluate the performance of the employees in an ethical way and compensation for the employees as well.
BBA-H	B18BH5020	Business Policy and Strategy	✓					This course provides knowledge on strategies that the organisations adopt for longevity success, Perform Industry analysis, apply Porter's analysis on companies, SWOC related to the company, life cycle stage the company and knowledge on factors responsible for success and sustainability for long term growth.
BBA-H	B18BH5212	Organizational Change and Development					✓	This course provides information about organisation change and the need for organisation change. And provides knowledge of analysing the teamwork, organizational interventions, change process in the teams as team lead and change process in the teams as team lead.
BBA-H	B18BH5312	Consumer Behavior	✓					This course's objective is to enable the students to acquire skills in consumer behaviour. And this course provides knowledge about how to satisfy consumers with professional ethics.
BBA-H	B18BH6020	Operational Research for Managerial Decision	✓		✓		✓	This course aims to provide the basic tools of Operations research in solving management problems using the mathematical approach for decision-making.
BBA-II	B18BB1060	Indian Constitution and Human Rights			✓			This course provides knowledge to the students regarding Social, economic, and political fairness are also among the goals of the Indian constitution, as is the freedom to practise any religion, any profession, or any occupation without interference from the government. A foundational set of essential rights that guarantee and safeguard their interests are guaranteed to all Indian citizens.
BBA-II	B19BB1070	Skill Development Course					✓	The students will have to undergo a Skill Development course conducted by the training and Placement cell of the University. The aim of this course is to provide practical knowledge to the students for the sustainable development and growth in their career.

BBA-II	B18BB2050	Organizational Behavior	✓		✓		Students are familiarized with business organization and Management. Basic concepts of management and dimensions of organisational behaviour include individual behaviour, personality, perception, attitudes and values, leadership, learning and motivation. They also learn about group processes, group tasks, team-building, and conflict management with case studies.
BBA-II	B18BB2060	Computer Applications in Business				✓	This course provides the knowledge to the students for using the computer application in business and academics. This course provides the knowledge to construct business and academic documents using Microsoft Word, Integrate Microsoft Office applications for use in business, work with simple design and development tasks for the main types of business systems, and Investigate emerging technology in shaping new processes, strategies and business models.
BBA-II	B18BB3020	Service Sector Management	✓				This enlightens the students about different services and prepares them with the requisite skills to manage services with professional ethics.
BBA-II	B18BB3030	Innovation Management				✓	This course enables the students with various concepts of innovation in managing innovations in their organizations, to recognize the diversity of types of innovations, enables to integrate IT systems in innovations and critically assess and explain key strategic issues in innovations.
BBA-II	B18BB3040	Human Resource Management	✓		✓		This course familiarizes the students with concepts and principles of Human Resource Management and human values.
BBA-II	B18BB4010	Business Law	✓				This course enlightens the students about various regulations affecting business and familiarizes the students with such regulations for the professional code of conduct of the business.
BBA-II	B18BB4111	Corporate Financial Policy					This course enlightens the students to comprehend the differences between a viable project from a financing point of view and a non-viable project. Students are able to possess good knowledge of techniques for making strategic investment decisions and tackling financial distress, able to identify the sources of financing ventures, able to understand the possible reasons for undertaking strategic decisions like mergers and acquisitions and able to identify the different ways in which one could rehabilitate the financially sick unit.
BBA-II	B18BB4211	Strategic Human Resource Management	✓		✓		This course familiarizes the students with the concepts of SHRM and various Labour Laws. This course Comprehends the different aspects of managing people in the organization. To acquaint the students with difference between HRM and SHRM.

BBA-II	B18BB4212	Compensation Management	✓					This course familiarizes the students with various components of compensation and its related to PMS. And it provides knowledge on How to evaluate the performance of the employees in an ethical way and compensation for the employees as well.	
BBA-II	B18BB4312	Consumer behaviour	✓					This course's objective is to enable the students to acquire skills in consumer behaviour. And this course provides knowledge about how to satisfy consumers with professional ethics.	
BBA-II	B18BB5040	Production and Operations Management					✓	This course provides practical knowledge on Conducting Facility planning by making location and layout decisions, plan and implementing suitable materials handling principles and practices in the operations, analysing and developing a balanced line of production & scheduling and sequencing techniques in operation environments and knowledge regarding the Quality management practices followed by the companies.	
BBA-II	B18BB5211	Employee welfare & social security	✓					This course provides the ideas, relevance and importance of employee welfare and social security. And it enables the students to understand the different kinds of legal frameworks which are available for ensuring employee welfare and social security.	
BBA-II	B18BB5212	Organisational change & Development					✓	This course provides information about organisation change and the need for organisation change. And provides knowledge of analysing the teamwork, organizational interventions, change process in the teams as team lead and change process in the teams as team lead.	
BBA-II	B18BB6030	Business Policy and Strategic Management				✓		✓	This course provides knowledge on strategies that the organisations adopt for longevity success, Perform Industry analysis, apply Porter's analysis on companies, SWOC related to the company, life cycle stage the company and knowledge on factors responsible for success and sustainability for long term growth.
BBA-E	B18BE1060	Indian Constitution and Human Rights					✓		This course provides knowledge to the students regarding Social, economic, and political fairness are also among the goals of the Indian constitution, as is the freedom to practise any religion, any profession, or any occupation without interference from the government. A foundational set of essential rights that guarantee and safeguard their interests are guaranteed to all Indian citizens.
BBA-E	B18BE1070	Skill Development Course						✓	The students will have to undergo a Skill Development course conducted by the training and Placement cell of the University. The aim of this course is to provide practical knowledge to the students for the sustainable development and growth in their career.

BBA-E	B18BE2050	Entrepreneurial Competency Development					✓	Students Get a clear understanding of entrepreneur competencies about 'Self' – Who am I? Where do I stand? What do I have to do? And they will get hands-on experience about how to develop the necessary entrepreneur competencies, understand the reasons for business failures and develop competencies to overcome business failures.
BBA-E	B18BE2060	Computer Applications in Business					✓	This course provides the knowledge to the students for using the computer application in business and academics. This course provides the knowledge to construct business and academic documents using Microsoft Word, Integrate Microsoft Office applications for use in business, work with simple design and development tasks for the main types of business systems, and Investigate emerging technology in shaping new processes, strategies and business models.
BBA-E	B18BE3010	Organizational Psychology	✓		✓			To acquaint the students with the fundamentals of managing business and to understand individual and group behavior at work place so as to improve the effectiveness of an organization.
BBA-E	B18BE3020	Production and Operation Management					✓	This course provides practical knowledge on Conducting Facility planning by making location and layout decisions, plan and implementing suitable materials handling principles and practices in the operations, analysing and developing a balanced line of production & scheduling and sequencing techniques in operation environments and knowledge regarding the Quality management practices followed by the companies.
BBA-E	B18BE3050	Legal Aspects of Entrepreneurship	✓					This enables students to Identify the legal framework that an entrepreneur needs to address at various stages of business, it provides the opportunities to learn the application of various legal issues pertaining to the form of business organizations, interpret various provisions in MSME Act and provides knowledge on Work with various provisions related to IPR, Patents and Copyrights and other legislations.
BBA-E	B18BE3060	Environmental Studies	✓				✓	This course familiarizes students with environmental issues such as how to conserve, and preserve our Environment.
BBA-E	B18BE3070	Ethical Values For Business	✓					This course provides a platform to learn and apply ethical values in Business and to understand the various ethical values in relevance to business.

BBA-E	B18BE5010	Corporate Entrepreneurship	✓						This is an overview course on corporate entrepreneurship. It is 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.
BBA-E	B18BE5020	Business Policy and Strategy	✓						This course provides knowledge on strategies that the organisations adopt for longevity success, Perform Industry analysis, apply Porter's analysis on companies, SWOC related to the company, life cycle stage the company and knowledge on factors responsible for success and sustainability for long term growth.
BBA-E	B18BE5051	Project Feasibility Analysis						✓	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.
BBA-E	B18BE5061	Growth and Diversification of Family business						✓	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.
BBA-E	B18BE6010	Total Quality Management						✓	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.
BBA-E	B18BE6020	Operational Research for Managerial Decision						✓	This course aims to provide the basic tools of Operations research in solving management problems using the mathematical approach for decision-making.

BBA-E	B18BE6041	Corporate and Family Governance	✓						This course enlightens the students to comprehend the differences between a viable project from a financing point of view and a non-viable project. Students are able to possess good knowledge of techniques for making strategic investment decisions and tackling financial distress, able to identify the sources of financing ventures, able to understand the possible reasons for undertaking strategic decisions like mergers and acquisitions and able to identify the different ways in which one could rehabilitate the financially sick unit.
BBA-E	B18BE 6042	Professionalization of Family Business	✓						This course familiarizes the learner with the fundamentals of family business professionalization process. The course provides a thorough awareness about the various aspects associated with the professionalization of family business.
MPA	M18PA1010	Dance History						✓	The course helps the students to understand the Arts field and exposes the students to the Management aspect of the field. This helps the students to sustain and create new trends in the field.
MPA	M18PA3020	Research Methodology	✓						The course helps the student to understand the Ethics in the field of Art.
MPA	M18PA4020	Ashta Nayikas - Practical -1		✓					The Course Discusses the Issues related to the role and contributions and issues faced by male and female dancers
MPA	M18PA2010	Art History and Choreography				✓			This course will help the performer to understand the Fundamental and create their own productions.
MPA	M18PA1050	Slokas (Natya Sastram) - Practical – 3				✓			This course deals with the moral values and inner core of the Indian Traditions
MPA	M18PA2050	Slokas (Abhinaya Darpanam) -				✓			explains the human values through the dance/drama/music
MPA	M18PA2070	Sanskrit						✓	helps the students in understanding the design of fundamental blocks used for building a computer system and interfacing techniques of these blocks to achieve different configurations of an “entire computer system”.
MPA	MFKP17F3100	Aesthetics in Dance						✓	The course familiarises the students concepts which exposes the students to do real time projects that booms in It world.
MPA	M18PA3050	Individual Choreography - Practical – 2						✓	This course helps the students to create their own choreographies through the lense of history understanding of gender and Professional Ethics.
MPA	M18PA3060	Slokas (Natya sastra and Abhinaya Darpanam)				✓			This course deals with the moral values and inner core of Indian Traditions.

MPA	M18PA4010	Dance Writing and Biographies					✓	This course will help the students to pen down and verbalize the nonverbal art forms.
MPA	MFKP17F4400	Nattuvangam - Practical – 3					✓	This course helps the students to create new choreographies through the theoretical and practical aspect of Nattuvangam which will lead to the preservation of Tradition
BA-PaEP	B18BA1030	Constitution of India and Professional Ethics	✓					The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human
BA-PaEP	B18BA1040	Performing Arts and Art History of India		✓				This courses explains the Issues faced by the Female dancer and their contribution in the development of Arts forms
BA-PaEP	B18BA1051	PracticalI(Fundamental sofBharatanatyam)					✓	This course will help the dancer to understand the Fundamental and create their own Choreographies
BA-PaEP	B18BA1052	PracticalI(Fundamental sofKuchipudi)					✓	This course will help the dancer to understand the Fundamental and create their own Choreographies
BA-PaEP	B18BA1053	PracticalI(Fundamental sofDrama)					✓	This course will help the performer to understand the Fundamental and create their own productions.
BA-PaEP	B18BA1054	PracticalI(Fundamental sof CarnaticMusic)					✓	This course will help the musician to understand the Fundamental and create their own compositions
BA-PaEP	B18BA2072	Folklore Study – Folk Music					✓	The course deals with the folk forms with respect to the geographical and linguistic aspects.
BA-PaEP	B18BA2073	Folklore Study – Folk Theatre					✓	The course deals with the folk forms with respect to the geographical and linguistic aspects.
BA-PaEP	B18BA3030	Rasa Theory and its implications in Performing Arts					✓	Understanding Rasa theory will help the students to build their own perspective regarding the emotions and hence will be able to create sensible productions.
BA-PaEP	B18BA4020	Textual Traditions in Performing Arts					✓	This course will guide the students to understand the theoretical aspect of the Tradition through lens of History. This will help them to apply the theory to the Practical.
BA-PaEP	B18BA5010	Traditions and Innovations in Performing Arts					✓	The course helps the students to understand the Arts field and exposes the students to the Management aspect of the field. This helps the students to sustain and create new trends in the field.
BA-PaEP	B18BA5020	Arts Management					✓	The course helps the students to understand the Arts field and exposes the students to the Management aspect of the field. This helps the students to sustain and create new trends in the field.
BA-PaEP	B18BA5052	Myths and Mythologies				✓		This helps the students to gain the knowledge about vedas and Puranas so that they apply these concept in their future life
BA-PaEP	B18BA6010	Aesthetics (Indian and Western)					✓	This course helps the students to convey the dance form in a beautifying and an aesthetical manner.

MSc Physics	M18PH1010	Mathematical Physics					✓	It helps the students in understanding the design of fundamental mathematics used for theorems in entire Physics.
MSc Physics	M18PH1020	Classical Mechanics					✓	To provide students a solid foundation in classical mechanics. studying the dynamics of particle systems.
MSc Physics	M18PH1030	Electronic Devices					✓	To understand the basic working of Semiconducting devices and Linear Integrated Circuits, give an emphasis to the student to know the various semiconductor devices and its working
MSc Physics	M18PH1040	Quantum Mechanics – I					✓	To illustrate the inadequacy of classical theories and the need for a quantum theory. To explain the basic principles of quantum mechanics. To develop solid and systematic problem solving skills
MSc Physics	M18PH1050	Material Science (GENERAL)					✓	To provide scientific foundation for understanding the relations among material properties, microstructure, and behavior of materials and to make the students familiar with the vocabulary for the description of the empirical facts and theoretical ideas about the various levels of structure from atoms through defects in crystals to larger scale morphology of practical materials.
MSc Physics	M18PH1060	General Physics Lab -1					✓	This course enable the student to explore the concepts involved in the thermodynamics and heat, basic concepts in modern optics, fundamentals of instruments involved
MSc Physics	M18PH1070	Electronics Lab					✓	To familiarize the students with the basics of electronics, concepts involved in the oscillators, ICs and digital devices, fundamentals of multi-vibrators.
MSc Physics	M18PH2010	Quantum Mechanics II					✓	This course helps the students in understanding the design of fundamental concepts used for building a quantum physics based devices and their interfacing techniques to achieve different configurations of an “quantum world”.
MSc Physics	M18PH2020	Statistical Mechanics				✓	✓	This course may not directly deal with Environmental science, but it helps in understand the statistical nature of the universe. This course helps in modelling the probable outcomes under different conditions and also to gain statistical related knowledge. It also introduces techniques, error detection and correction mechanisms and error reporting protocols
MSc Physics	M18PH2051	Electronics - I : Digital Electronics					✓	The course provides an overview of the electronic components used to construct high performance systems that are different from the old technology. The course discuss modern concepts and parameters related to the new devices.
MSc Physics	M18PH2052	Condensed Matter Physics - I				✓	✓	This course talks about the materials available in the nature and their properties under different conditions. It also helps in choosing environmental friendly materials. This introduces advanced level concepts of materials, their structure and its applications.

MSc Physics	M18PH2053	Material Science - I				✓	✓	This course talks about the materials available in the nature and their properties under different conditions. It also helps in choosing environmental friendly materials. This introduces advanced level concepts of materials, their structure and its applications. It also helps students to choose better materials depending on the applications.
MSc Physics	M18PH2060	Music, Dance, sports, Theater, Yoga				✓	✓	These courses help the students to mingle with nature and realise their power of inner sole through mind and body relaxation methods. This course helps in building the strength of body and mind. It also helps to students to explore different dimension of life and make them creative thinkers. Explains the human values through the dance/drama/music
MSc Physics	M18PH3010	Electrodynamics					✓	To introduce students the principles and applications of Electrostatics, Magneto-statics, Electrodynamics and Electromagnetic waves
MSc Physics	M18PH3020	Nanoscience and Nanotechnology					✓	To understand the fundamental concepts behind nanoscience and nanotechnology, synthesis and characterization of nanostructure materials and to understand the properties of nanomaterials.
MSc Physics	MSPH18F3030	Nuclear and Particle physics					✓	To study the general properties of nucleus, nuclear forces and nuclear reactions and concept of elementary particles
MSc Physics	M18PH3041	Electronics II (Electronic communication system)					✓	To understand the fundamental concepts of communication systems, compare different analog and digital modulation schemes and performance of communications systems
MSc Physics	M18PH3042	Condensed Matter Physics II					✓	The course is to understand the basic knowledge on magnetic, dielectric and electric properties of material, types of magnetic and dielectric materials and their applications.
MSc Physics	M18PH3043	Material Science II					✓	This course provides the knowledge about the processing, characterization and testing of Polymers, ceramics and glass materials.
MSc Physics	M18PH3051	Electronics III					✓	To analyze and design various applications using Op-amp, construct waveform generation circuits.
MSc Physics	M18PH3052	Condensed Matter Physics III					✓	This course will introduce the fundamental concepts of crystal structure and to understand the diffraction principle and use of X-rays and analyze the crystal structure using x-ray diffraction.
MSc Physics	M18PH3053	Material Science III					✓	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.

MSc Physics	M18PH3060	Astrophysics					✓	To study the astrophysical universe, ranging from solar system objects through stars, to galaxies and the structure of the universe as a whole.
MSc Physics	M18PH3070	General physics lab III					✓	To introduce the basic concepts of physics through hands on experience and impart experimental skill to students,
MSc Physics	M18PH3084	Electronics Lab (PRACITICAL)					✓	Provide a strong foundation on Linear Circuits and its applications. The modulation and demdulation techniques and the conversion of data from Analog to Digital and Digital to Analog.
MSc Physics	M18PH3082	Condensed Matter Physics Lab					✓	Designed to explore the concepts involved in the X-ray diffraction, understand the basic concepts in absorption and Infrared spectroscopy and Hysteresis
MSc Physics	M18PH3083	Material Science Lab (PRACTICAL)					✓	This course make the student familiarize with the basics of materials science, understand the fundamentals of Hall effect
MSc Physics	M18PH2070	Skill development Programme				✓		This will help to pick up the environmentally feasible techniques.
MSc Physics	M18PH4010	Major Project			✓	✓	✓	It helps in choosing and dealing with environmental friendly chemicals and models. It helps the students to progress in practical oriented things and make the students to face any kind of challenge. This will raise the students morality and open mindedness.
B. Tech in Civil Engineering	B18CE2050	Building Construction					✓	Building Construction introduces the various components of buildings
B. Tech in Civil Engineering	B18CE3050	Concrete Technology					✓	Concrete Technology deals with the durability of concrete
B. Tech in Civil Engineering	B18CE3060	Constitution of India and Professional Ethics	✓	✓	✓			The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and 4.
B. Tech in Civil Engineering	B18CE3100	Placement & Training-I			✓			Placement & Training-I helpful in cultivating values such as Integrity, honesty, work ethic, time mangement, cooperation and commitment
B. Tech in Civil Engineering	B18CE4030	Hydrology and Irrigation Engineering					✓	Hydrology and Irrigation Engineering deals with the occurrence, distribution and movement of water on the earth
B. Tech in Civil Engineering	B18CE4040	Water and Waste Water Engineering				✓	✓	Water and Waste Water Engineering introduces the concept of water supply and importance of sanitation for clean and healthy 2
B. Tech in Civil Engineering	B18CE4050	Highway Engineering					✓	Highway Engineering introduces the importance and scope of highway engineering
B. Tech in Civil Engineering	B18CE4061	Construction Project Management.	✓					Construction Project Management introduces about Economizing the projects without compromising the quality
B. Tech in Civil Engineering	B18CE4062	Rural Infrastructure development					✓	Rural Infrastructure development introduces concept of development process & Rural Infrastructure

B. Tech in Civil Engineering	B18CE4063	Alternative Building materials					√	Alternative Building materials introduces about about different alternative building materials and the different technology and their design
B. Tech in Civil Engineering	B18CE4090	Placement & Training-II			√			Placement & Training-II helpful in cultivating values such as Integrity, honesty, work ethic, time mangement, cooperation and commitment
B. Tech in Civil Engineering	B18CE4100	DANCE & MUSIC/ SPORTS /YOGA			√			DANCE & MUSIC/ SPORTS /YOGA helpful in cultivating moral and spiritual values and brings unity in diversity
B. Tech in Civil Engineering	B18CE5010	Design of RC structural Elements	√				√	Design of RC structural Elements introduces the concepts and principles of limit state design
B. Tech in Civil Engineering	B18CE5020	Basic Geotechnical Engineering					√	Basic Geotechnical Engineering introduces basic concepts of soil and the strength characteristic of soil in construction
B. Tech in Civil Engineering	B18CE5030	Railways, Airways, Waterways and Tunnels					√	Railways, Airways, Waterways and Tunnels introduces importance of various transportation modes
B. Tech in Civil Engineering	B18CE5042	Traffic Analysis and Design					√	Traffic Analysis and Design provides an insight on various elements of traffic engineering and traffic safety
B. Tech in Civil Engineering	B18CE5043	Industrial Waste Water Treatment				√	√	Industrial Waste Water Treatment introduces the effect of industrial effluents on streams and treatment of various industrial effluents
B. Tech in Civil Engineering	B18CE5051	Structural Dynamics and seismic Analysis					√	Structural Dynamics and seismic Analysis introduces the phenomena of earthquakes and the concepts of earthquake resistance of reinforced concrete buildings
B. Tech in Civil Engineering	B18CE5052	Rural Water supply and sanitation				√	√	Rural Water supply and sanitation helps to Identify the various Water sources, water borne diseases for rural water supply and Water treatment methods to control contamination of water.
B. Tech in Civil Engineering	B18CE5053	Water Resource systems and Management				√	√	Water Resource systems and Management introduces about about importance of water & its conservation
B. Tech in Civil Engineering	B18CE5062	Occupational Safety and Health Hazards				√	√	Occupational Hazard and Industrial Safety identifies the hazards in the workplace and the decisions required to maintain protection of the 2
B. Tech in Civil Engineering	B18CE5063	Renewable Energy				√	√	Renewable Energy provides an insight on various renewable energy and identifies the new for effective utilization of renewable energy sources
B. Tech in Civil Engineering	B18CE5100	Placement Training -III			√			Placement & Training-II helpful in cultivating values such as Integrity, honesty, work ethic, time mangement, cooperation and commitment
B. Tech in Civil Engineering	B18CE6020	Applied Geotechnical Engineering					√	Applied Geotechnical Engineering includes factor of safety of Earth slope

B. Tech in Civil Engineering	B18CE6040	Design of Bridge Structures					√	Design of Bridge Structures introduces provisions to carry out a design of bridges
B. Tech in Civil Engineering	B18CE6051	Repair and Rehabilitation of Structures.					√	Repair and Rehabilitation of Structures introduces the causes of deterioration of structures and techniques used for repair of damaged structure
B. Tech in Civil Engineering	B18CE6052	Air and Noise Pollution				√		Air And Noise Pollution includes the introduction to sources and effects of air and noise pollution and Identifies the control measures of air and noise pollution
B. Tech in Civil Engineering	B18CE6052	Air and Noise Pollution					√	Air And Noise Pollution includes the introduction to sources and effects of air and noise pollution and Identifies the control measures of air and noise pollution
B. Tech in Civil Engineering	B18CE6053	Pavement Design and construction					√	Pavement Design and construction introduces the components of highway construction and quality checks for flexible and rigid pavement.
B. Tech in Civil Engineering	B18CE6054	Design of Hydraulic Structures					√	Design of Hydraulic Structures introduces reservoir planning and design criteria for dams and its components
B. Tech in Civil Engineering	B18CE6061	Design of Masonry Structures					√	Design of Masonry Structures introduces the procedure for earthquake resistant masonry
B. Tech in Civil Engineering	B18CE6062	Intelligent Transport System					√	Intelligent Transport System includes design and implementation of suitable ITS components in transportation system.
B. Tech in Civil Engineering	B18CE6063	Ground Improvement Techniques					√	Ground Improvement Techniques introduces various techniques of ground improvement.
B. Tech in Civil Engineering	B18CE6064	Disaster Management and Mitigation				√	√	Disaster Management and Mitigation includes the introduction to various measures of disaster mitigation and disaster management
B. Tech in Civil Engineering	B18CE7020	Solid Waste Management				√	√	Solid Waste Management gives an insight into the collection, transfer, transport and safe disposal of municipal and hazardous solid waste.
B. Tech in Civil Engineering	B18CE7030	Design of Prestressed and Prefabricated Structures					√	Design of Prestressed and Prefabricated Structures introduces the requirements and applications of materials used in prefabricated structures.
B. Tech in Civil Engineering	B18CE7042	Rainwater Harvesting and Ground Water Recharge.				√	√	Rainwater Harvesting and Ground Water Recharge introduces the different methods of artificial recharge and investigation.
B. Tech in Civil Engineering	B18CE7043	Water Supply and Sanitation				√	√	Water Supply and Sanitary Engineering introduces the concept of water supply and importance of sanitation for clean and healthy 2
B. Tech in Civil Engineering	B18CE7051	Earthquake Resistant Design of RC Structures					√	Earthquake Resistant Design of RC Structures includes analysis of earthquake resistant structures

B. Tech in Civil Engineering	B18CE7052	Green Building Technology				√	√	Green Buildings and Green Technology introduces the concepts of green buildings and its design and explains cleaner production and life cycle assessment
B. Tech in Civil Engineering	B18CE7063	Urban transport and smart city.				√	√	Urban transport and smart city introduces the various types of smart cities, technologies adopted for the development.
B. Tech in Civil Engineering	B18CE7064	Environmental Assessment Methodologies				√	√	Environmental Impact Assessment includes the understanding of the impacts related to developing projects on Environment
M.Tech TEM	M18TE2030	Urban Transport Planning				√	√	This course deals with the better planning of transport systems, such as public transport, NMT, and so on, which could help both the environment and the sustainable development of cities.
M.tech CASE	M18TE2030	Urban Transport Planning				√	√	This course deals with the better planning of transport systems, such as public transport, NMT, and so on, which could help both the environment and the sustainable development of cities.
B.Tech ECE	B18EC1060	Constitution of India and Professional Ethics	√					The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human values.
B.Tech ECE	B18EC1070	Technical English-1				√		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.
B.Tech ECE	B18EC2050	Environmental Sciences					√	This course helps to the engineering Students to do projects on environmental issues. ECE branch students will be aware about environmental issues such as E-waste management. Students can use GIS to solve geospatial problems .They can able to understand the complex relationship between natural and human ecosystem. Design and execute scientific projects which are eco friendly. Students can able to design pollution controlled products.
B.Tech ECE	B18EC2060	Technical English -2				√		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.

B.Tech ECE	B18EC3X10	YOGA/MUSIC/SPORTS/ DANCE/ THEATRE			✓			It refers to a set of recreational activities that can have a positive impact on an individual's physical and mental health, and promotes wellness and a sense of well-being. These activities can be enjoyed individually or with others, making them a great way to build social connections and a sense of community while also enhancing personal growth
B.Tech ECE	B18EC4050	Control systems (I)					✓	The course can contribute to sustainability by optimizing the stability of systems, improving their efficiency.
B.Tech ECE	B18EC3062	Computer Organization and Architecture(SC1)					✓	helps the students in understanding the design of fundamental blocks used for building a computer system and interfacing techniques of these blocks to achieve different configurations of an "entire computer system". course familiarises the students to concepts of computer system architecture. The course also expose the students interface I/O devices and hierarchical memory system.
B.Tech ECE	B18EC4063	Power Electronics(SC2)					✓	This course provides the basics of power devices, semiconductor control and conversion of power is also discussed
B.Tech ECE	B18EC5040	Entrepreneurship and Innovator Skills	✓		✓			The course deals with mainly acquiring the required skills and knowledge to become a successful entrepreneur and also to function in a specific managerial discipline. It moulds the students with necessary human values which is very much required for sustaining in any of the organization or to become an entrepreneur.
B.Tech ECE	B18EC5X20	MOOCs- Swayam/NPTEL//EDx/ COURSERA/ Mini Project			✓			These are online learning platforms that offered courses from leading universities and institutions around the world, and allow learners to access course materials and videos for free or for a fee. They provide a flexible and accessible way to learn new skills and gain knowledge, regardless of your location or background.
B.Tech ECE	B18EC6030	Computer Communication and Networks (I)					✓	The course will involve a significant amount of network simulator tool to design the basic network topologies and protocols.
B.Tech ECE	B18EC6X10	MOOCs / SWAYAM/ NPTEL/EDx/COURSE RA/Mini Project			✓			These are online learning platforms that offered courses from leading universities and institutions around the world, and allow learners to access course materials and videos for free or for a fee. They provide a flexible and accessible way to learn new skills and gain knowledge, regardless of your location or background.

B.Tech ECE	B18EC6054	Project Management(SC7)	✓				✓	Project management course provides concept of project management that is very much essential to handle projects efficiently. It covers the topics on phases of project life cycle, roles and responsibilities of leaders, Project management and estimation. It also covers the concepts of Project scheduling, coordination and control. Finally, it covers the concept of performance measure in Project management to estimate the quality of project management.
B.Tech ECE	B18EC6055	Component Engineering(SC7)					✓	Component engineering involves the selection, maintenance, design and construction of smaller components for larger machines. Component engineers are needed in all manufacturing industries, from the auto and space industries to defence. A degree in mechanical, electrical or metallurgical engineering may be required for those seeking a job in component engineering.
B.Tech ECE	B18EC7024	Robotics & Automation(SC9)					✓	It introduces various methods of dimensionality reduction, reasons for dimensionality reduction, concepts of neural networks, different aspects involved in neural networks, their activation function, back propagation algorithm etc. Impart the knowledge of Deep learning, a powerful set of techniques for learning in Neural Networks
B.Tech ECE	B18EC7032	Big data and Data Science(SC10)					✓	In this course the fundamentals of large volume, variety and velocity of data is described in detail. Big data analytics is the process of extracting useful information by analysing different types of big data sets. Big data analytics is used to discover hidden patterns, market trends and consumer preferences, for the benefit of organizational decision making. In this, the map-reduce programming, components of hadoop, architecture of map- reduce is taught. It also covers the tools of big data like PIG and HIVE.
B.Tech ECE	B18EC7052	Robotics and Automation(OE)					✓	Robotics is the interdisciplinary branch of engineering and science that includes mechanical engineering, electrical engineering, computer science, and others. Robotics deals with the design, construction, operation, and use of robots as well as computer systems for their control, sensory feedback, and information processing.
B.Tech ECE	B18EC8023	Network Security(SC13)	✓					The course involves the concept of securing the message signal from hacking or third party. It also deals with professional ethical issues about secure communication.
M.Tech DCN	M18DC1020	Advanced Computer Networks					✓	The Course provides the history of internet, protocols and standards, OSI model and explanation of layers to gain the knowledge. It also introduces to various media access techniques, error detection and correction mechanisms, routing and error reporting protocols. Transport layer and application layer standards and protocols.

M.Tech DCN	M18DC1040	Network Security					✓	The course involves the concept of securing the message signal from hacking or third party. It also deals with professional ethical issues about secure communication.
M.Tech DCN	M18DC2030	IoT and Cyber Physical Systems	✓				✓	Internet of Things (IoT) is presently a hot technology worldwide. Government, academia, and industry are involved in different aspects of research, implementation, and business with IoT. 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. Analyzing and Understanding the challenges with respect to Security and Privacy through Cyber physical systems
M.Tech DCN	M18DC2051	SC:Wireless Network Standards	✓				✓	The course introduces wireless communication technology, protocols, standards and architecture for personal area networks. It involves a significant amount of network simulator tool to design the basic network topologies and protocols.
M.Tech DCN	M18DC3040	Sports, Yoga, Music, Dance, Theatre				✓		It refers to a set of recreational activities that can have a positive impact on an individual's physical and mental health, and promotes wellness and a sense of well-being. These activities can be enjoyed individually or with others, making them a great way to build social connections and a sense of community while also enhancing personal growth
B.Tech ECE	B18EC2050	Environmental Sciences					✓	This course helps to the engineering Students to do projects on environmental issues. ECE branch students will be aware about environmental issues such as E-waste management. Students can use GIS to solve geospatial problems. They can be able to understand the complex relationship between natural and human ecosystem. Design and execute scientific projects which are eco friendly. Students can be able to design pollution controlled products.
B.Tech ECE	B18EC1060	Constitution of India and Professional Ethics	✓					The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human values.
B.Tech ECE	B18EC3X10	Sports/Yoga/Music/Dance/Theatre				✓		explains the human values through the dance/drama/music

B.Tech ECE	B18EC5040	Entrepreneurship and Innovator Skills			✓			The course develops a working knowledge of managerial fundamentals, facilitate decisionmaking process for setting up new enterprise. By knowing all the government polices available student can start up a new business enterprise and Institutional support. Student can acquire all the necessary skills and knowledge to be a successful entrepreneur. Effectively prepare and present project appraisal and report. Student can understand many of the important ethical and social responsibility issues that confront the small business manager.	
B.Tech ECE	B18EC3062	Computer Computer Organization and Architecture					✓	course familiarises the students to concepts of computer system architecture. The course also expose the students interface I/O devices and hierarchical memory system.	
B.Tech ECE	B18EC4063	Power Electronics					✓	course introduces the students to power Semiconductor devices, design different power converter circuits.	
B.Tech ECE	B18EC8023	Network Security	✓					The course involves the concept of securing the message signal from hacking or third party. It also deals with professional ethical issues about secure communication.	
MA English	M19EN3010	Gender Studies		✓				The course familiarises the students concepts of Python Programming which exposes the students to do real time projects that booms in It world.	
MA English	MSBT18F3600	Organic farming					✓	Complete a Farm Business Plan, describing the marketing, operations and financials for a farm business that fits your skills, interests and farmsite.	
MA English	M19EN2062	Children's Literature					✓	Appraise the controversies surrounding Children's Literature and Compare the global and local treatment of children in literature and culture. Appreciate the value of multicultural children's literature in understanding other cultures through literary genres.	
MA English	M19N1060	ADVANCED COMMUNICATIVE SKILLS					✓	The course deals with mainly acquiring the required skills and knowledge to become a successful entrepreneur and also to function in a specific managerial discipline. It moulds the students with necessary human values which is very much required for sustaining in any of the organization or to become an entrepreneur.	
Msc-BT	M18BT1010	Cell Biology	✓					✓	The studnets will learn about the professional ethics in using the model cell cultures for studying the various pathways in the cell.
Msc-BT	M18BT1020	Molecular Genetics and Developmental Biology	✓	✓	✓			✓	Students can learn and understand the human values and professional ethics involved in usage of the organisms in using the various organims models.

Msc-BT	M18BT1030	Microbiology	√			√	√	The Students will understand about the use of Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the adverse effects of the Microorganisms will understood and do's and don'ts while handling the microorganisms
Msc-BT	M18BT1040	Biochemistry	√			√	√	The course helps to understand the various pathways involved in the mechanism for diseases and normal organisms to benefit the human society.
Msc-BT	M18BT1051	Bioinformatics	√					Course prepare the student to overcome various disorders of human with concern to professional ethics in using and handling the genomic data of human
Msc-BT	M18BT1052	Entrepreneurship and Business Plan Presentation – I	√		√		√	course prepare the student to become an enterprenuer with various ideas that can benefit the human values by upholding the ethics
Msc-BT	M18BT1062	Forensic Biology – I	√	√	√	√	√	Students can learn and understand the techniques to identify the forensic materials based on crime, paternity and species specific organisms
Msc-BT	M18BT1070	Cell biology and molecular genetics Laboratory	√		√		√	Students can learn and understand the human values and professional ethics involved in usage of the organisms in using the various organisms models and various pathways that are happening in the cells
Msc-BT	M18BT1080	Microbiology and Biochemistry Laboratory	√			√	√	The Students will understand about the use of Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the adverse effects of the Microorganisms will understood and do's and don'ts while handling the microorganisms
Msc-BT	M18BT1080	Molecular Biology	√					The student will learn the molecular tools to improve and dissect various disorders and disease with out affecting the professional ethics, human values in reporting the data and keeping the environment safe.
Msc-BT	M18BT2020	Immunology and Medical Biotechnology	√				√	Students can learn and understand the process of developmental phases of the cell cultures.
Msc-BT	M18BT2030	Bioprocess Engineering	√			√	√	Students can apply the fermentation process and techniques to produce various food and value added products
Msc-BT	M18BT2040	Biochemical techniques and Enzymology	√			√	√	Students can learn apply the analytical techniques to understand the various biochemicals present in different sources and predict the qualitative and quantitative expression
Msc-BT	M18BT2051	Entrepreneurship and Business Plan Presentation-II	√		√		√	course prepare the student to become an enterprenuer with various ideas that can benefit the human values by upholding the ethics

Msc-BT	M18BT2052	Forensic Biology II	√	√	√	√	√	Students can learn and understand the techniques to identify the forensic materials based on crime, paternity and species specific organisms
Msc-BT	M18BT2061	Animal Biotechnology	√		√	√	√	The course helps the student to understand and handle the cell lines which is obtained from various tissues for the development of vaccines and to test the efficacy of drugs on cell lines and then to higher organisms
Msc-BT	M18BT2062	Toxicology	√			√	√	Students can understand the toxic substances present in food water and air that can affect to the human health and also to learn the genotoxic substances that can affect the environment
Msc-BT	M18BT2070	Molecular Biology, Immunology and Medical Biotechnology (Practical)	√			√	√	The course helps the students to apply the professional ethics, human values and sustainability in using the model organisms for various experiments without harming the environment
Msc-BT	M18BT2080	Biochemical techniques and Bioprocess engineering (Practical)	√			√	√	Students can learn apply the analytical techniques to understand the various biochemicals present in different sources and predict the qualitative and quantitative expression
Msc-BT	M18BT2090	Sports/Yoga/Music/Dance/ Theatre	√		√			The course enriches the student with good body and mind to handle the multi tasking ability by providing environment and moral values
Msc-BT	M18BT3010	Plant and Agricultural Biotechnology	√			√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extinction and also to explore the plant genetic resource for production of phytochemicals, crop improvement
Msc-BT	M18BT3020	Genetic Engineering	√		√	√	√	The students will be able to learn and implement the genetic modification tools to modify the organisms for the benefit of human society with out harming the environment following the human values and ethics
Msc-BT	M18BT3030	Environmental Biotechnology	√			√	√	The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it effects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
Msc-BT	M18BT3041 Clinical		√		√	√	√	The course enriches the student with knowledge about the usage of various molecules against the diseases in humans cattle with due respect for professional ethics, human values and with out harming the environment

Msc-BT	M18BT3042 Biostatistics		√				√	Student will be enriched with handling the data on human population, experimental data, survey with out affecting the human values and professional ethics
Msc-BT	M18BT3051	Genomics and Proteomics	√					Student will be enriched with handling the data on human population, experimental data, survey with out affecting the human values and professional ethics using computational tools
Msc-BT	M18BT3052	Nano Biotechnology	√			√	√	Students will be able to understand and synthesize the nanoparticles that helps to produce bio products
Msc-BT	M18BT3080	Plant and Agricultural Biotechnology & Genetic Engineering	√			√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extinction and also to explore the plant genetic resource for production of phytochemicals, crop improvement with out harming the environment and also to protect the human values with out adulterating the professional ethics
Msc-BT	M18BT3090	Environmental Biotechnology (Practical)	√			√	√	The students will use the biotechnological tools for the estimation of various components which harms the environment causing various hazards for the ecosystem.
Msc-BT	M18BT3600	Organic farming	√			√	√	Student can learn and apply the basic organic farming techniques to develop agricultural products with out affecting the environment and also upholding the professional ethics.
B.Sc PCM	B189PC1080	Chemistry Lab-I				√		It helps the students in understanding the importance of energy resources and the national status of availability of these resources, environmental issues by non-renewable sources and interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life
B.Sc PCM	B18PC2090	Chemistry Practicals-II				√		It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
B.Sc PCM	B18PC3X10	Chemistry Practicals-III				√		It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
B.Sc PCM	B18PC4080	Chemistry Practicals-IV				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B18PC5X20	CHEMISTRY PRACTICAL -V				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect

B.Sc PCM	B18PC5X30	CHEMISTRY PRACTICAL -VI				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B18PC6X10	Chemistry Lab-VII				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B18PC2060	Environmental Studies				√		This course gives an overview of the environment, sustainable development, pollution, and control. Mainly it delas with different issues of environment.
B.Sc PCM	B18PC1060	Constitution of India and Professional Ethics		√				This course gives an overview of the Indian constitution: the way of INDIAN governance works.
B.Sc PCM	B18PC2060	Environmental Studies					√	This course gives an overview of the environment, sustainable development, pollution, and control. Mainly it delas with different issues of environment.
BSc BMCs	B18MC2030	Biochemistry & Microbiology				√		The biochemical and microbiological experiments which are conducted at the lab with regard to the microorganisms or the reagents should not be released directly into the environment as they affects the balance of the ecology systems
BSc BMCs	B18MC2060	Environmental Science				√		The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it effects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnoligical method of preservation of the environment
BSc BMCs	B18MC2080	Biochemistry & Microbiology Lab				√		The biochemical and microbiological experiments which are conducted at the lab with regard to the microorganisms or the reagents should not be released directly into the environment as they affects the balance of the ecology systems
BSc BMCs	B18MC1030	Molecular Biology and Genetic engineering			√			This course enriches the knowledge and understanding of the genomes and diseases associated with the humans and their treatment by using advanced techniques for the welfare of humans
BSc BMCs	B18MC1070	Molecular Biology and Genetics Lab			√			This course gives an hands on experience and Ethics on using the subjects required for the experimentation and interpret the data obtained and also helps in understanding the human values in for genetical disorders and physically challenged

BSc BMCs	B18MC6020	Operations Research - I	✓					This course will help the students to understand the business ethics and protection of human values
BSc BMCs	B18MC1060	Constitution of India			✓			Students will learn and understand human rights and fundamental aspects of life and career
BSc BMCs	B18MC3030	Bioinformatics & Biostatistics	✓					Students can understand the concepts of biological data stored in the databases and to analyze the expression of genes in all the organisms
BSc BMCs	B18MC3090	Bioinformatics & Biostatistics Lab	✓					students will get expertised in the field of bioinformatics to predict genes, proteins and expression characters
BSc BMCs	B18MC4030	Bioperl & Biopython	✓					Students can learn the basic programming skills on biological data accession analysis and interpretation
BSc BMCs	B18MC4070	Bioperl & Bio python Lab	✓					Student can able to develop bioalgorithms to predict biological data
BSc BMCs	B18MC5010	(Genomics & Proteomics)	✓					Students can understand and analyze sequencing data and to interpret the diseases and functional activities of cells
BSc BMCs	B18MC5041	Data mining & Artificial Intelligence	✓					Students can able develop data storage and analysis skills to predict large data sets using advanced artificial intelligence techniques
BSc BMCs	B18MC5042	Data mining & warehousing	✓					Students can able develop data storage and analysis skills to predict large data sets
BSc BMCs	B18MC5080	Genomics and Proteomics Lab			✓			Students design and analyze the genomic data accessed from publically available databases and interpret the functional activities
BSc BMCs	B18MC5090	Programming using R	✓					Students can use computational methods to predict the statistical data using programming language such as R
BSc BMCs	B18MC6010	Chemo informatics & Drug designing	✓					Students can able to understand the disease targets and to predict the targeted drugs for the treatment of diseases using computational methods
BSc BMCs	B18MC6041	Medical Informatics			✓			Understand the clinical data and medical case studies can be stored and analyzed using information technology to advance the health care industry
BSc BMCs	B18MC6042	Structural Chemistry	✓					Students can able to develop the structure of chemicals using computational method and understand the toxicity using virtual based method.
BSc BMCs	B18MC6070	MOOC/SWA YAM/Internship	✓					Students can enhance the technical skills to improve the competency for current job opportunities.
BSc BMCs	B18MC6090	Chemo informatics & Drug designing Lab			✓			Students can able to design and develop drug to the disease targets and to predict the physicochemical properties for the treatment of disease

BA.LL.B	B18AL1040	Essentials of Sociology			✓			Gender sensitization To apply sociological theories to a myriad of contemporary justice problems. Use knowledge on sociological theories to analyse contemporary problems of Indian society, and critically reflect on media reports and cultural products concerning justice issues.
BA.LL.B	B18AL4010	Public Policy and Public Administration			✓			Gender sensitization:. All the great human events in history were probably achieved by what we today would call public administration. Organization and administrative practices in collective or public settings are as old as civilization. The field of public policy has assumed considerable importance in response to the increasing complexity of the government activity.
BA.LL.B	B18AL4030	Public International Law			✓			Gender sensitization:-the basics of Public International Law and practice and the "general" part of international law, i.e. questions of law making, sovereignty, jurisdiction, responsibility, enforcement, the settlement of disputes, and specific topics such as the use of force.
BA.LL.B	B18AL4050	Administrative Law			✓			Gender sensitization, Ethics: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 Administrative lawyering in India.
BA.LL.B	B18AL5020	Family Law -I	✓		✓	✓		Gender sensitization, Ethics:It attempts to examine the legal principles and the legalese, in connection with, Hindu marriage and Divorce, Inheritance and Succession to property, Guardianship, Maintenance and Adoption
BA.LL.B	B18AL5050	Corporate Law			✓		✓	Sustainability, Gender sensitization:the development of students' skills in legal reasoning and analysis through study of statutes, case law and regulatory practice relating to Company Law.
BA.LL.B	B18AL5060	Labour Law -I			✓			Gender sensitization:to be acquainted with the Industrial relations framework in our country. Further, the importance of the maintenance of Industrial peace
BA.LL.B	B18AL6082	Information Technology Law	✓		✓			Gender sensitization, Ethics:aims at appreciating one of the important emerging areas of law and the nitty-gritty involved in it.The underlying philosophy of the subject and its relation to other areas focusing on human rights.

BA.LL.B	B18AL7072	International Criminal Law		✓	✓			Gender sensitization,Environment,Ethics:4. To provide basic knowledge with regard to the most important case-law of international criminal courts and tribunals.
BA.LL.B	B18AL8050	Trade in Service & immigration Laws	✓		✓			Gender sensitization,Ethics:the constitutional basis for regulating immigration into India, and, to some extent, the constitutional rights of non-citizens in the country; the history of Indian immigration law and policy
BA.LL.B	B18AL1040	OB and Behavioural Organisation	✓		✓			Gender sensitization , Ethics:provide an understanding of basic concepts, theories and techniques in the field of human Behaviour at the individual, group and organizational levels in the changing global scenario
BA.LL.B	B18AL3010	Human Resource Management			✓	✓		Gender sensitization ,Human values:To familiarize students with the different aspects of managing Human Resources in the Organization through the phases of acquisition, development and retention.
BA.LL.B	B18AL3040	Constitutional law- I	✓	✓	✓	✓	✓	Gender sensitization, Ethics,Environment ,Sustainability:The philosophy of Constitutionalism and its impact on people's lives through the implementation of Fundamental Rights will be the intellectual focus of the course.
BA.LL.B	B18AL7010	Environmental Law		✓		✓	✓	Sustainability, Environment,Human values:Environmental law necessarily demands an inter-disciplinary approach,uniqueness of the subject is borne out by the new epistemological outlook which ecology-related knowledge has brought about in recent times.
BA.LL.B	B18AL7030	International Human Rights Law	✓		✓			Gender sensitization,Ethics:The understanding of human rights is the foundation for the development of a good citizen and a responsible legal professional.
BA.LL.B	B18AL8020	International Humanitarian & Refugee Law	✓		✓			Gender sensitization,Ethics:to introduce to international humanitarian law and to international refugee law, to examine the protection of refugees under both sets of laws, to survey the sources of IHL and IRL, to outline the substantive law within each domain and to introduce their respective attendant international institutional frameworks.
BA.LL.B	B18AL8072	Media Law			✓			Gender sensitization:Mass communication from the days of printing press has played a very important role in the formation of public opinion. Advancement in science and technology has changed the scope and dimensions of mass communication. ICT has created digital era for us.

BA.LL.B	B18AL9010	Professional Ethics and Accountancy	✓			✓	Ethics, Human values:Ethics are an integral part of every profession. Every profession has certain peculiar codes of conduct and well defined norms. Advocacy being a profession of immense social relevance, and its significant role in the justice delivery system makes it a unique profession in itself and therefore it is highly desired that this profession be carried on ethically
BA.LL.B	B18AL9072	Women and Law (Honours)			✓		Gender sensitization:India is a country with diverse cultures. Irrespective of this fact, the plight of women has remained the same for all cultures and communities in India. Women, not only because of their being a weaker sex, but also due to the country's cultural drawbacks, have suffered subjugation and exploitation since ages and at all levels. Spread of education and technology has not been able to resolve women's issues; instead, the nature of issues relating to women, have further complicated and crimes aggravated.
BBA.LL.B	B18BL4030	Public International Law			✓		Gender sensitization:-the basics of Public International Law and practice and the "general" part of international law, i.e. questions of law making, sovereignty, jurisdiction, responsibility, enforcement, the settlement of disputes, and specific topics such as the use of force.
BBA.LL.B	B18BL4050	Administrative Law	✓		✓		Gender sensitization,Ethics: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 Administrative lawyering in India.
BBA.LL.B	B18BL5020	Family Law -I	✓		✓		Gender sensitization, ,Ethics:It attempts to examine the legal principles and the legalese, in connection with, Hindu marriage and Divorce, Inheritance and Succession to property, Guardianship, Maintenance and Adoption
BBA.LL.B	B18BL5040	Corporate Law	✓		✓	✓	Sustainability, Gender sensitization:the development of students' skills in legal reasoning and analysis through study of statutes, case law and regulatory practice relating to Company Law.
BBA.LL.B	B18BL505	Labour Law -I			✓		Gender sensitization:to be acquainted with the Industrial relations framework in our country. Further, the importance of the maintenance of Industrial peace
BBA.LL.B	B18BL6072	Information Technology Law	✓		✓		Gender sensitization,Ethics:aims at appreciating one of the important emerging areas of law and the nitty-gritty involved in it.The underlying philosophy of the subject and its relation to other areas focusing on human rights.

BBA.LL.B	B18BL7072	International Criminal Law	✓	✓	✓			Gender sensitization,Environment,Ethics:4. To provide basic knowledge with regard to the most important case-law of international criminal courts and tribunals.
BBA.LL.B	B18BL8050	Trade in Service & immigration Laws	✓		✓			Gender sensitization,Ethics:the constitutional basis for regulating immigration into India, and, to some extent, the constitutional rights of non-citizens in the country; the history of Indian immigration law and policy
BBA.LL.B	B18BL1040	OB and Behavioural Organisation	✓		✓			Gender sensitization , Ethics:provide an understanding of basic concepts, theories and techniques in the field of human Behaviour at the individual, group and organizational levels in the changing global scenario
BBA.LL.B	B18BL3010	Human Resource Management			✓	✓		Gender sensitization ,Human values:To familiarize students with the different aspects of managing Human Resources in the Organization through the phases of acquisition, development and retention.
BBA.LL.B	B18L3040	Constitutional law- I	✓	✓	✓	✓	✓	Gender sensitization, Ethics,Environment ,Sustainability:The philosophy of Constitutionalism and its impact on people's lives through the implementation of Fundamental Rights will be the intellectual focus of the course.
BBA.LL.B	B18BL7010	Environmental Law					✓	Sustainability, Environment,Human values:Environmental law necessarily demands an inter-disciplinary approach,uniqueness of the subject is borne out by the new epistemological outlook which ecology-related knowledge has brought about in recent times.
BBA.LL.B	B18BL7030	International Human Rights Law	✓		✓			Gender sensitization,Ethics:The understanding of human rights is the foundation for the development of a good citizen and a responsible legal professional.
BBA.LL.B	B18BL8020	International Humanitarian & Refugee Law	✓		✓			Gender sensitization,Ethics:to introduce to international humanitarian law and to international refugee law, to examine the protection of refugees under both sets of laws, to survey the sources of IHL and IRL, to outline the substantive law within each domain and to introduce their respective attendant international institutional frameworks.
BBA.LL.B	B18BL8072	Media Law			✓			Gender sensitization:Mass communication from the days of printing press has played a very important role in the formation of public opinion. Advancement in science and technology has changed the scope and dimensions of mass communication. ICT has created digital era for us.

BBA.LL.B	B18BL9010	Professional Ethics and Accountancy	✓			✓	Ethics, Human values: Ethics are an integral part of every profession. Every profession has certain peculiar codes of conduct and well defined norms. Advocacy being a profession of immense social relevance, and its significant role in the justice delivery system makes it a unique profession in itself and therefore it is highly desired that this profession be carried on ethically
BBA.LL.B	B18BL9072	Women and Law (Honours)			✓		Gender sensitization: India is a country with diverse cultures. Irrespective of this fact, the plight of women has remained the same for all cultures and communities in India. Women, not only because of their being a weaker sex, but also due to the country's cultural drawbacks, have suffered subjugation and exploitation since ages and at all levels. Spread of education and technology has not been able to resolve women's issues; instead, the nature of issues relating to women, have further complicated and crimes aggravated.
B.Tech ME	B18ME1050	Environmental Studies				✓	Environmental Science includes the introduction to environment, Objectives & guiding principles of Environmental education, environmental ethics
B.Tech ME	B18ME2060	Constitution of India and Professional Ethics	✓				The course deals with the Indian Constitution which guarantees the basic human rights, remedies and special provisions relating to certain classes which is most important to pronounce human rights and value.
B.Tech ME	B18ME3090	Placement Training-1			✓		Placement & Training-I helpful in cultivating values such as Integrity, honesty, work ethic, time mangement, cooperation and commitment
B.Tech ME	B18ME3X10	Sports/Yoga/Music/Dance/Theatre			✓		helpful in cultivating moral and spiritual values and brings unity in diversity
B.Tech ME	B18ME4044	Management & Entrepreneurship			✓		The course deals with mainly acquiring the required skills and knowledge to become a successful entrepreneur and also to function in a specific managerial discipline. It moulds the students with necessary human values which is very much required for sustaining in any of the organization or to become an entrepreneur.
B.Tech ME	B18ME4090	Placement Training-2			✓		Placement & Training-II helpful in cultivating values such as Integrity, honesty, work ethic, time mangement, cooperation and commitment
B.Tech ME	B18ME5031	Power Plant Engineering				✓	The course contains the details of steam and gas thermal power plants, hydro power plants, nuclear power plants, along with solar, wind and geothermal energy power systems in addition to the direct energy conversion.

B.Tech ME	B18ME5041	Renewable Energy Resources					✓	The course is designed to familiarize and train the student with the tools and techniques used to assess the various renewable energy resources and its potential at any location across the globe, so that a student is able analyse a case quantitatively at the end of the term.
B.Tech ME	B18ME5090	Placement Training-3				✓		Placement & Training-II helpful in cultivating values such as Integrity, honesty, work ethic, time mangement, cooperation and commitment
B.Tech ME	B18ME6021	Bio-Mass Energy System					✓	The course provides in-depth knowledge of fuel characterisation, treatement and conversion technologies, environmental consequences, and resource utilisations related to bioenergy.
B.Tech ME	B18ME6031	Refrigeration and Air conditioning					✓	The course consists of different refrigeration cycles and understanding of psychrometry and psychrometric processes used for the purpose of air-conditioning. Further, the comfort air-conditioning and indoor environment health are also addressed in this course.
B.Tech ME	B18ME6090	Placement Training-4				✓		Placement & Training-II helpful in cultivating values such as Integrity, honesty, work ethic, time mangement, cooperation and commitment
MSc Chemistry	M19CH3342	Energy and Energy Conversion Systems - III.5					✓	It helps the students in understanding the importance of energy resources and the national status of availability of these resources, environmental issues by non-renewable sources and interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life
MSc Chemistry	M19CH3441	Environmental Chemistry and Applied Analysis - III.4					✓	It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
MSc Chemistry	M19CH2051	Chemistry of Life - II.1					✓	It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implemnet to have a good environment with the sustainability of energy
MSc Chemistry	M19CH1060	Organic Chemistry-I (Practical)					✓	This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M19CH1070	Physical Chemistry-I(Practical)					✓	This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M19CH2070	Inorganic Chemistry-II (practical)					✓	This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M19CH2080	Analytical Chemistry-II (practical)					✓	This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M19CH3070	Inorganic Chemistry-III (practical)					✓	This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.

MSc Chemistry	M19CH3080	Organic Chemistry-III (practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M19CH4041	Advanced organic chemistry lab-IV.1				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M19CH4042	Advanced Inorganic chemistry lab-IV.2				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting to protect environment.
MSc Chemistry	M19CH3242	Green Chemistry-III .5				√		This subject deals with using environment-friendly chemicals/solvents for the synthesis of compounds and their mechanism.
MSc Chemistry	M19CH4010	Major Project				√		It helps the students to progress in practical- oriented things and make the students face any kind of challenge
MSc Chemistry	M19CH4030	MOOC/SWAYAM /Internship*				√		This helps students to unlock their ability to learn on their own and scale up their self-learning abilities.
MSc Chemistry	M19CH3342	Energy and Energy Conversion Systems - III.5					√	It helps the students in understanding the importance of energy resources and national status of availability of these resources and the interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life
MSc Chemistry	M19CH3441	Environmental Chemistry and Applied Analysis - III.4					√	It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
MSc Chemistry	M19CH2051	Chemistry of Life -II.1					√	It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
MSc Chemistry	M19CH2051	Chemistry of Life -II.1	√					It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life and educates us to follow personal and professional ethics to participate in keeping a clean environment. How important to understand and implement to have a good environment with the sustainability of energy.
MSc Chemistry	M19CH4010	Major Project	√					Professional ethics are essential in any major project, as they help ensure that the project is completed with integrity, honesty, and respect for all stakeholders involved. Students should follow transparency, accountability, adherence to legal and professional ethics while conducting the scientific research projects.
MBA	M19MB1010	Management and Organization Behaviour		√				The course includes topics like personalities, values, learning and organizational psychology to understand the social and individual value system and Gender equality.

BA-JEP	B19BJ1010	Environmental Science				✓		Environmental Science necessarily demands an inter-disciplinary approach, uniqueness of the subject is borne out by the new epistemological outlook which ecology-related knowledge has brought about in recent times.
BA-JEP	B19BJ1040	Journalism - I (Introduction to Media & Communication)					✓	Construct and analyze audience research, media research, and environmental scanning and Design public relation strategy for the organization image and well-being
BA-JEP	B19BJ3051	Media Studies**					✓	Relate to the debilitating influence of media in modern times and Analyze various types of media and their role in shaping the society.
BA-JEP	B19BJ6010	Journalism -VII (Media Management)					✓	Perceive various types of case studies related to media and law in India and Plan a career in commercial or non-profit businesses in such fields as politics, public service, business administration, marketing, public relations, and journalism
BA-JEP	B19BJ6021	Journalism -VIII (A)(New Media)					✓	Acquire requisite technical proficiency to be an active participant in the new media culture and Assess the social, cultural and political implications of new media production and consumption process.
BA-JEP	B19BJ2010	Indian Constitution and Human Rights			✓			The philosophy of Constitutionalism and its impact on people's lives through the implementation of Fundamental Rights will be the intellectual focus of the course.
BA-JEP	B19BJ5010	Journalism -V (Media Laws & Ethics)	✓					Define basic legal terminology and to practice the best contemporary ethical and professional journalism
BA-PEJ	B19JP1010	Environmental Science				✓		Environmental Science necessarily demands an inter-disciplinary approach, uniqueness of the subject is borne out by the new epistemological outlook which ecology-related knowledge has brought about in recent times.
BA-PEJ	B19JP6041	Journalism -VIII (A) (New Media)					✓	Acquire requisite technical proficiency to be an active participant in the new media culture and Assess the social, cultural and political implications of new media production and consumption process.
BA-PEJ	B19JP6050	Economics – VII(Indian Economy-II)					✓	Analyze the characteristics of Indian Agriculture and know the structure of Indian industry. To compare the Financial Markets and Financial system in India.
BA-PEJ	B19JP6061	Economics VIII (A) Financial Economics					✓	Evaluate the performance of financial instrument and Provide advisory and consultancy services to investors and investment banks
BA-PEJ	B19JP6062	Economics-VIII(B) Application of Economics to Managerial Issues					✓	Design competition strategies, including costing, pricing, product differentiation, and market environment according to the natures of products and the structures of the markets.

BA-PEJ	B19JP2010	Indian Constitution and Human Rights			✓			Have general knowledge and legal literacy and thereby to take up competitive examinations and Understand state and central policies, fundamental duties
BA-PEJ	B19JP2050	Music/ Dance/ Yoga/ Sports/ Theatre			✓			Prepare the students for the integration of their physical, mental and spiritual faculties;1 To enable the students to maintain good health;2 To practice mental hygiene and to attain higher level of consciousness;
BA-PEJ	B19JP3013	Political Science - III- (Indian Constitutions and Institutional framework)	✓					The philosophy of Constitutionalism and its impact on people's lives through the implementation of Fundamental Rights will be the intellectual focus of the course.
BA-PEJ	B19JP5030	Journalism-V(Media Laws & Ethics)	✓					Define basic legal terminology and to practice the best contemporary ethical and professional journalism
B. Tech in Civil Engineering	B18CE1040	Building Materials					✓	Building Materials introduces the various materials used for construction of buildings
B. Tech in Civil Engineering	B18CE2050	Building Construction					✓	Building Construction introduces the various components of buildings
B. Tech in Civil Engineering	B18CE3050	Concrete Technology					✓	Concrete Technology deals with the durability of concrete
B. Tech in Civil Engineering	B18CE3060	Constitution of India and Professional Ethics	✓	✓	✓			The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and 4.
B. Tech in Civil Engineering	B18CE3100	Placement & Training-I			✓			Placement & Training-I helpful in cultivating values such as Integrity, honesty, work ethic, time mangement, cooperation and commitment
B. Tech in Civil Engineering	B18CE4030	Hydrology and Irrigation Engineering					✓	Hydrology and Irrigation Engineering deals with the occurrence, distribution and movement of water on the earth
B. Tech in Civil Engineering	B18CE4040	Water and Waste Water Engineering				✓	✓	Water and Waste Water Engineering introduces the concept of water supply and importance of sanitation for clean and healthy 2
B. Tech in Civil Engineering	B18CE4050	Highway Engineering					✓	Highway Engineering introduces the importance and scope of highway engineering
B. Tech in Civil Engineering	B18CE4061	Construction Project Management.	✓					Construction Project Management introduces about Economizing the projects without compromising the quality
B. Tech in Civil Engineering	B18CE4062	Rural Infrastructure development					✓	Rural Infrastructure development introduces concept of development process & Rural Infrastructure
B. Tech in Civil Engineering	B18CE4063	Alternative Building materials					✓	Alternative Building materials introduces about about different alternative building materials and the different technology and their design

B. Tech in Civil Engineering	B18CE4090	Placement & Training-II			√			Placement & Training-II helpful in cultivating values such as Integrity, honesty, work ethic, time management, cooperation and commitment
B. Tech in Civil Engineering	B18CE4100	DANCE & MUSIC/ SPORTS /YOGA			√			DANCE & MUSIC/ SPORTS /YOGA helpful in cultivating moral and spiritual values and brings unity in diversity
B. Tech in Civil Engineering	B18CE5010	Design of RC structural Elements	√				√	Design of RC structural Elements introduces the concepts and principles of limit state design
B. Tech in Civil Engineering	B18CE5020	Basic Geotechnical Engineering					√	Basic Geotechnical Engineering introduces basic concepts of soil and the strength characteristic of soil in construction
B. Tech in Civil Engineering	B18CE5030	Railways, Airways, Waterways and Tunnels					√	Railways, Airways, Waterways and Tunnels introduces importance of various transportation modes
B. Tech in Civil Engineering	B18CE5042	Traffic Analysis and Design					√	Traffic Analysis and Design provides an insight on various elements of traffic engineering and traffic safety
B. Tech in Civil Engineering	B18CE5043	Industrial Waste Water Treatment				√	√	Industrial Waste Water Treatment introduces the effect of industrial effluents on streams and treatment of various industrial effluents
B. Tech in Civil Engineering	B18CE5051	Structural Dynamics and seismic Analysis					√	Structural Dynamics and seismic Analysis introduces the phenomena of earthquakes and the concepts of earthquake resistance of reinforced concrete buildings
B. Tech in Civil Engineering	B18CE5052	Rural Water supply and sanitation				√	√	Rural Water supply and sanitation helps to Identify the various Water sources, water borne diseases for rural water supply and Water treatment methods to control contamination of water.
B. Tech in Civil Engineering	B18CE5053	Water Resource systems and Management				√	√	Water Resource systems and Management introduces about about importance of water & its conservation
B. Tech in Civil Engineering	B18CE5062	Occupational Safety and Health Hazards				√	√	Occupational Hazard and Industrial Safety identifies the hazards in the workplace and the decisions required to maintain protection of the 2
B. Tech in Civil Engineering	B18CE5063	Renewable Energy				√	√	Renewable Energy provides an insight on various renewable energy and identifies the new for effective utilization of renewable energy sources
B. Tech in Civil Engineering	B18CE5100	Placement Training -III			√			Placement & Training-II helpful in cultivating values such as Integrity, honesty, work ethic, time management, cooperation and commitment
B. Tech in Civil Engineering	B18CE6020	Applied Geotechnical Engineering					√	Applied Geotechnical Engineering includes factor of safety of Earth slope
B. Tech in Civil Engineering	B18CE6040	Design of Bridge Structures					√	Design of Bridge Structures introduces provisions to carry out a design of bridges

B. Tech in Civil Engineering	B18CE6051	Repair and Rehabilitation of Structures.					√	Repair and Rehabilitation of Structures introduces the causes of deterioration of structures and techniques used for repair of damaged structure
B. Tech in Civil Engineering	B18CE6052	Air and Noise Pollution				√		Air And Noise Pollution includes the introduction to sources and effects of air and noise pollution and Identifies the control measures of air and noise pollution
B. Tech in Civil Engineering	B18CE6052	Air and Noise Pollution					√	Air And Noise Pollution includes the introduction to sources and effects of air and noise pollution and Identifies the control measures of air and noise pollution
B. Tech in Civil Engineering	B18CE6053	Pavement Design and construction					√	Pavement Design and construction introduces the components of highway construction and quality checks for flexible and rigid pavement.
B. Tech in Civil Engineering	B18CE6054	Design of Hydraulic Structures					√	Design of Hydraulic Structures introduces reservoir planning and design criteria for dams and its components
B. Tech in Civil Engineering	B18CE6061	Design of Masonry Structures					√	Design of Masonry Structures introduces the procedure for earthquake resistant masonry
B. Tech in Civil Engineering	B18CE6062	Intelligent Transport System					√	Intelligent Transport System includes design and implementation of suitable ITS components in transportation system.
B. Tech in Civil Engineering	B18CE6063	Ground Improvement Techniques					√	Ground Improvement Techniques introduces various techniques of ground improvement.
B. Tech in Civil Engineering	B18CE6064	Disaster Management and Mitigation				√	√	Disaster Management and Mitigation includes the introduction to various measures of disaster mitigation and disaster management
B. Tech in Civil Engineering	B18CE7020	Solid Waste Management				√	√	Solid Waste Management gives an insight into the collection, transfer, transport and safe disposal of municipal and hazardous solid waste.
B. Tech in Civil Engineering	B18CE7030	Design of Prestressed and Prefabricated Structures					√	Design of Prestressed and Prefabricated Structures introduces the requirements and applications of materials used in prefabricated structures.
B. Tech in Civil Engineering	B18CE7042	Rainwater Harvesting and Ground Water Recharge.				√	√	Rainwater Harvesting and Ground Water Recharge introduces the different methods of artificial recharge and investigation.
B. Tech in Civil Engineering	B18CE7043	Water Supply and Sanitation				√	√	Water Supply and Sanitary Engineering introduces the concept of water supply and importance of sanitation for clean and healthy 2
B. Tech in Civil Engineering	B18CE7051	Earthquake Resistant Design of RC Structures					√	Earthquake Resistant Design of RC Structures includes analysis of earthquake resistant structures
B. Tech in Civil Engineering	B18CE7052	Green Building Technology				√	√	Green Buildings and Green Technology introduces the concepts of green buildings and its design and explains cleaner production and life cycle assessment

B. Tech in Civil Engineering	B18CE7063	Urban transport and smart city.				√	√	Urban transport and smart city introduces the various types of smart cities, technologies adopted for the development.
B. Tech in Civil Engineering	B18CE7064	Environmental Assessment Methodologies				√	√	Environmental Impact Assessment includes the understanding of the impacts related to developing projects on Environment
M.Tech TEM	M18TE2030	Urban Transport Planning				√	√	This course deals with the better planning of transport systems, such as public transport, NMT, and so on, which could help both the environment and the sustainable development of cities.
M.tech CASE	M18TE2030	Urban Transport Planning				√	√	This course deals with the better planning of transport systems, such as public transport, NMT, and so on, which could help both the environment and the sustainable development of cities.
M.Tech CTM	M19CT1061	SPECIAL CONCRETES					√	This Course deals with Components of modern concrete and developments in the process and constituent materials
B.Tech ECE	B19EC1060	Constitution of India and Professional Ethics	√			√		The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human values.
B.Tech ECE	B19EC1070	Technical English-1					√	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.
B.Tech ECE	B19EC2050	Environmental Sciences					√	This course helps to the engineering Students to do projects on environmental issues. ECE branch students will be aware about environmental issues such as E-waste management. Students can use GIS to solve geospatial problems .They can able to understand the complex relationship between natural and human ecosystem. Design and execute scientific projects which are eco friendly. Students can able to design pollution controlled products.
B.Tech ECE	B19EC2060	Technical English -2					√	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
B.Tech ECE	B19EC3X10	YOGA/MUSIC/SPORTS/ DANCE/ THEATRE					√	It refers to a set of recreational activities that can have a positive impact on an individual's physical and mental health, and promotes wellness and a sense of well-being. These activities can be enjoyed individually or with others, making them a great way to build social connections and a sense of community while also enhancing personal growth

B.Tech ECE	B19EC4050	Control systems (I)					✓	The course can contribute to sustainability by optimizing the stability of systems, improving their efficiency.
B.Tech ECE	B19EC3062	Computer Organization and Architecture(SC1)					✓	helps the students in understanding the design of fundamental blocks used for building a computer system and interfacing techniques of these blocks to achieve different configurations of an “entire computer system”.course familiarises the students to concepts of computer system architecture. The course also expose the students interface I/O devices and hierarchical memory system.
B.Tech ECE	B19EC4063	Power Electronics(SC2)					✓	This course provides the basics of power devices, semiconductor devices control characteristics and its application is discussed.
B.Tech ECE	B19EC5040	Entrepreneurship and Innovator Skills	✓			✓		The course deals with mainly acquiring the required skills and knowledge to become a successful entrepreneur and also to function in a specific managerial discipline. It moulds the students with necessary human values which is very much required for sustaining in any of the organization or to become an entrepreneur.
B.Tech ECE	B19EC5X20	MOOCs- Swayam/NPTEL//EDx/ COURSERA/ Mini Project					✓	These are online learning platforms that offered courses from leading universities and institutions around the world, and allow learners to access course materials and videos for free or for a fee. They provide a flexible and accessible way to learn new skills and gain knowledge, regardless of your location or background.
B.Tech ECE	B19EC6030	Computer Communication and Networks (I)					✓	The course will involve a significant amount of network simulator tool to design the basic network topologies and protocols.
B.Tech ECE	B19EC6X10	MOOCs / SWAYAM/ NPTEL/EDx/COURSE RA/Mini Project					✓	These are online learning platforms that offered courses from leading universities and institutions around the world, and allow learners to access course materials and videos for free or for a fee. They provide a flexible and accessible way to learn new skills and gain knowledge, regardless of your location or background.
B.Tech ECE	B19EC6054	Project Management(SC7)	✓				✓	Project management course provides concept of project management that is very much essential to handle projects efficiently. It covers the topics on phases of project life cycle, roles and responsibilities of leaders, Project management and estimation. It also covers the concepts of Project scheduling, coordination and control. Finally, it covers the concept of performance measure in Project management to estimate the quality of project management.

B.Tech ECE	B19EC6055	Component Engineering(SC7)					✓	Component engineering involves the selection, maintenance, design and construction of smaller components for larger machines. Component engineers are needed in all manufacturing industries, from the auto and space industries to defence. A degree in mechanical, electrical or metallurgical engineering may be required for those seeking a job in component engineering.
B.Tech ECE	B19EC7024	Robotics & Automation(SC9)					✓	It introduces various methods of dimensionality reduction, reasons for dimensionality reduction, concepts of neural networks, different aspects involved in neural networks, their activation function, back propagation algorithm etc. Impart the knowledge of Deep learning, a powerful set of techniques for learning in Neural Networks
B.Tech ECE	B19EC7032	Big data and Data Science(SC10)					✓	In this course the fundamentals of large volume, variety and velocity of data is described in detail. Big data analytics is the process of extracting useful information by analysing different types of big data sets. Big data analytics is used to discover hidden patterns, market trends and consumer preferences, for the benefit of organizational decision making. In this, the map-reduce programming, components of hadoop, architecture of map- reduce is taught. It also covers the tools of big data like PIG and HIVE.
B.Tech ECE	B19EC7052	Robotics and Automation(OE)					✓	The course provides robot classification and
B.Tech ECE	B19EC8023	Network Security(SC13)	✓					The course involves the concept of securing the message signal from hacking or third party. It also deals with professional ethical issues about secure communication.
B.Tech ECM	B19EM1060	Constitution of India and Professional Ethics	✓					The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human values.
B.Tech ECM	B19EM1070	Technical English-1				✓		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.

B.Tech ECM	B19EM2050	Environmental Sciences				✓		This course helps to the engineering Students to do projects on environmental issues. ECE branch students will be aware about environmental issues such as E-waste management. Students can use GIS to solve geospatial problems .They can able to understand the complex relationship between natural and human ecosystem. Design and execute scientific projects which are eco friendly. Students can able to design pollution controlled products.
B.Tech ECM	B19EM2060	Technical English -2				✓		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.
B.Tech ECM	B19EM3X10	Yoga/Music/Sports/ Dance/Theater				✓		It refers to a set of recreational activities that can have a positive impact on an individual's physical and mental health, and promotes wellness and a sense of well-being. These activities can be enjoyed individually or with others, making them a great way to build social connections and a sense of community while also enhancing personal growth
B.Tech ECM	B19EM3063	Instrumentation Engineering(SC1)					✓	The course can contribute to sustainability by optimizing the stability of systems, improving their efficiency.
B.Tech ECM	B19EM4050	Computer Organization and Architecture					✓	helps the students in understanding the design of fundamental blocks used for building a computer system and interfacing techniques of these blocks to achieve different configurations of an "entire computer system".course familiarises the students to concepts of computer system architecture. The course also expose the students interface I/O devices and hierarchical memory system.
B.Tech ECM	B19EM5040	Entrepreneurship & innovator skills	✓				✓	The course deals with mainly acquiring the required skills and knowledge to become a successful entrepreneur and also to function in a specific managerial discipline. It moulds the students with necessary human values which is very much required for sustaining in any of the organization or to become an entrepreneur.
B.Tech ECM	B19EM5X20	MOOCs- Swayam/NPTEL/ EDx/ COURSERA				✓		These are online learning platforms that offered courses from leading universities and institutions around the world, and allow learners to access course materials and videos for free or for a fee. They provide a flexible and accessible way to learn new skills and gain knowledge, regardless of your location or background.
B.Tech ECM	B19EM5071	Control Systems(SC5)					✓	The course can contribute to sustainability by optimizing the stability of systems, improving their efficiency.

B.Tech ECM	B19EM6X10	MOOCs- Swayam/NPTEL/EDx/ COURSE			✓			These are online learning platforms that offered courses from leading universities and institutions around the world, and allow learners to access course materials and videos for free or for a fee. They provide a flexible and accessible way to learn new skills and gain knowledge, regardless of your location or background.	
B.Tech ECM	B19EM6054	Robotics & Automation(SC7)					✓	It introduces various methods of dimensionality reduction, reasons for dimensionality reduction, concepts of neural networks, different aspects involved in neural networks, their activation function, back propagation algorithm etc. Impart the knowledge of Deep learning, a powerful set of techniques for learning in Neural Networks	
B.Tech ECM	B19EM6062	Cryptography and Network Security(SC8)	✓					The course involves the concept of securing the message signal from hacking or third party. It also deals with professional ethical issues about secure communication.	
B.Tech ECM	B19EM7010	IOT and Cyber Physical Systems	✓				✓	Internet of Things (IoT) is presently a hot technology worldwide. Government, academia, and industry are involved in different aspects of research, implementation, and business with IoT. 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. Analyzing and Understanding the challenges with respect to Security and Privacy through Cyber physical systems	
B.Tech ECM	B19EM7052	Robotics and Automation (OE)					✓	It introduces various methods of dimensionality reduction, reasons for dimensionality reduction, concepts of neural networks, different aspects involved in neural networks, their activation function, back propagation algorithm etc. Impart the knowledge of Deep learning, a powerful set of techniques for learning in Neural Networks	
B.Tech EEE	BTES15F2500	Environmental Sciences					✓	✓	Imparts knowledge on biodiversity, its threats and its conservation. This course Widely covers the environmental pollution-sources, effects and and allows the students to ponder over the control measures of environmental pollution
B.Tech EEE	BTEE15F6501	Power System Planning and Reliability					✓	✓	The course illustrates the basic concepts of Expansion planning. It also gives knowledge on load forecasting optimisation techniques which enables reliable planning .
B.Tech EEE	BTEE15F6601	Smart grid					✓	✓	Student will be able understand and differentiate between the Smart Grid and conventional grid.The course allows the students to identify its opportunities and barriers.Also the concept of microgrid and its integration with central grid allows a student to understand the importance of using non conventional energy sources which contributes to energy sustainability.

B.Tech EEE	BTEE15F7503	Non Conventional Energy Sources				✓	✓	Course imparts wide knowledge on utilising non conventional energy sources as a main source of energy replacing the conventional sources of energy. The course lays a Robust Technical Foundation For Prospective Energy Engineers to Evaluate, Commission and Operate Solar Power Plants.
B.Tech EEE	BTEE15F8303	Electrical Safety				✓	✓	Student shall be able to demonstrate different electrical safety standards and practice regularly. The course allows the student to enhance and implement the safety standards to develop a sustainable environment.
B.Tech EEE	B18EE1060	Indian Constitution and Professional Ethics	✓					This subject strengthens the knowledge on Indian constitution and the laws associated. It throws insight on fundamental rights and duties. It also covers the value of professional ethics in one's life.
B.Tech EEE	B18EE4051	Electrical Power Utilization				✓	✓	The course proposes efficient methods to the industries and utilities with the usage of electricity. Optimum and smart usage of electricity contributes to sustainable future.
B.Tech EEE	B18EE4061	Management and Entrepreneurship		✓	✓			Enables the student to develop leadership skills irrespective of gender. Imparts moral and ethical values to be followed in their professional life.
B.Tech EEE	B18EE4090	Soft Skill		✓	✓			Enables the student to develop leadership skills irrespective of gender. Imparts moral and ethical values to be followed in their professional
B.Tech EEE	B18EE4X10	Sports		✓	✓			explains the human values through sports and physical activities. Motivates the student to be consider physical fitness as a part of their life
B.Tech EEE	B18EE4X20	Yoga		✓	✓			explains the human values through yoga and physical activities. Motivates the student to be consider physical fitness as a part of their life
B.Tech EEE	B18EE7010	Project Phase-I	✓					Students will design their project based on the factors impacting economics, environment and professional ethics.
B.Tech ISE	BTME14F1300	Environmental Studies				✓		The course includes study of environment and use what they learn in the sciences, social sciences, and humanities to understand environmental problems.
B.Tech ISE	BTES15F2500	Environmental Sciences				✓		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.

B.Tech ISE	B18ME8021	Energy Audit and Management				✓		The students will be able to explain global energy scenario, explore energy utilization and conversion system, summarize the energy audit technique and apply the concept of energy management and its application in engineering field.
B.Tech ISE	BTME16F6510	Refrigeration and Air-conditioning					✓	Possess the knowledge of system components of refrigeration and air conditioning. Design and implement refrigeration and air conditioning systems using standards. Apply the knowledge of psychrometry in calculating cooling load and heating load and select the size of the components.
B.Tech ISE	BTME15F6610	Renewable Energy Resources					✓	Use the renewable technologies like solar, biomass, wind, hydrogen etc. to produce energy. Involve in optimizing and selecting an alternate source of energy.
B.Tech ISE	BTME15F6510	Refrigeration and Air-conditioning					✓	Possess the knowledge of system components of refrigeration and air conditioning. Design and implement refrigeration and air conditioning systems using standards. Apply the knowledge of psychrometry in calculating cooling load and heating load and select the size of the components.
B.Tech ISE	B18ME5041	Renewable Energy Resources					✓	Use the renewable technologies like solar, biomass, wind, hydrogen etc. to produce energy. Involve in optimizing and selecting an alternate source of energy.
B.Tech ISE	BTME14F2300	Constitution of India & Professional Ethics	✓					The course deals with the Indian Constitution which guarantees the basic human rights, remedies and special provisions relating to certain classes which is most important to pronounce human rights and value. The subject deals with human equality in core.
B.Tech ISE	BTIC15F1600	Indian Constitution and Professional Ethics	✓					The course deals with the Indian Constitution which guarantees the basic human rights, remedies and special provisions relating to certain classes which is most important to pronounce human rights and value. The subject deals with human equality in core.
B.Tech ISE	BTIC16F1600	Indian Constitution and Professional Ethics	✓					The course deals with the Indian Constitution which guarantees the basic human rights, remedies and special provisions relating to certain classes which is most important to pronounce human rights and value. The subject deals with human equality in core.
B.Tech ISE	B18ME2060	Constitution of India and Professional Ethics	✓					The course deals with the Indian Constitution which guarantees the basic human rights, remedies and special provisions relating to certain classes which is most important to pronounce human rights and value. The subject deals with human equality in core.
B.Tech ISE	B18ME3X10	Sports/Yoga/Music/Dance/Theatre				✓		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

B.Tech ISE	B18ME3090	Placement Training-1			✓		Students can learn Personality Development, Soft skills and Aptitude Training, Group Discussions, etc.
B.Tech ISE	B18ME4090	Placement Training-2			✓		Students can learn Personality Development, Soft skills and Aptitude Training, Group Discussions, etc.
B.Tech ISE	B18ME5090	Placement Training-3			✓		Students can learn Personality Development, Soft skills and Aptitude Training, Group Discussions, etc.
B.Tech ISE	B18ME6090	Placement Training-4			✓		Students can learn Personality Development, Soft skills and Aptitude Training, Group Discussions, etc.
B.Tech ISE	B19MT2X10	Sports/Yoga/Music/Dance/Theatre			✓		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
B.Tech ISE	B19MT3090	Placement Training-1			✓		Students can learn Personality Development, Soft skills and Aptitude Training, Group Discussions, etc.
B.Tech ISE	B19MT4090	Placement Training-2			✓		Students can learn Personality Development, Soft skills and Aptitude Training, Group Discussions, etc.
B.Tech ISE	B19MT5090	Placement Training-3			✓		Students can learn Personality Development, Soft skills and Aptitude Training, Group Discussions, etc.
B.Tech ISE	B19MT6090	Placement Training-4			✓		Students can learn Personality Development, Soft skills and Aptitude Training, Group Discussions, etc.
B.Tech ISE	BTME14F4600	Principles of Management		✓			Realize the importance of entrepreneurship in the modern world. Understand the definition, characteristics and role of SSI in economic development. Impact of privatization and globalization on SSIs. Employability: Work in industry projects Analyze the parameters of project like project appraisal, identification of business opportunities, market feasibility study, technical feasibility study, management as a science, art and profession. Understand the requirement to become a good manager in order to manage the organization in a better way. Entrepreneurship: Implement the basic function of management such as planning, organizing, staffing, recruitment, directing, controlling etc.

B.Tech ISE	BTME16F5500	Principles of Management		✓				Realize the importance of entrepreneurship in the modern world. Understand the definition, characteristics and role of SSI in economic development. Impact of privatization and globalization on SSIs. Employability: Work in industry projects Analyze the parameters of project like project appraisal, identification of business opportunities, market feasibility study, technical feasibility study, management as a science, art and profession. Understand the requirement to become a good manager in order to manage the organization in a better way. Entrepreneurship: Implement the basic function of management such as planning, organizing, staffing, recruitment, directing, controlling etc.
B.Tech ISE	B18ME8015	Project Management		✓				Realize the importance of entrepreneurship in the modern world. Understand the definition, characteristics and role of SSI in economic development. Impact of privatization and globalization on SSIs. Employability: Work in industry projects Analyze the parameters of project like project appraisal, identification of business opportunities, market feasibility study, technical feasibility study, management as a science, art and profession. Understand the requirement to become a good manager in order to manage the organization in a better way. Entrepreneurship: Implement the basic function of management such as planning, organizing, staffing, recruitment, directing, controlling etc.
B.Tech ISE	M18MD3050	Sports/Yoga/Music/Dance/Theatre			✓			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
B.Arch	B19AR6030	Working Drawings	✓		✓	✓	✓	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR3010	Architectural Design - II	✓	✓	✓	✓	✓	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR4010	Architectural Design - III	✓	✓	✓	✓	✓	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19ARX010	THESIS	✓	✓	✓	✓	✓	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR3070	Computer applications in architectural design - I	✓			✓		Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation

B.Arch	B19AR4070	Computer applications in Architectural design - II	✓		✓	✓		Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19ARX030	Construction Management	✓	✓	✓	✓		Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR5030	Energy efficient Design	✓	✓	✓	✓	✓	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR7063	FUNDAMENTALS OF INTERIOR DESIGN(OE)	✓		✓	✓		Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR8030	FUNDAMENTALS OF LANDSCAPE DESIGN(OE)	✓		✓	✓	✓	Describes the regional sustainable architectural styles which use local materials and techniques
B.Arch	B19AR3050	History of Architecture III Hindu and Buddhist Architecture	✓		✓	✓		Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR4060	History of Architecture IV Islamic Architecture	✓		✓	✓		Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR7061	INDIAN ART AND ARCHITECTURAL HERITAGE(OE)	✓		✓	✓	✓	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR7040	Interior Design/graphic & Product Design	✓	✓	✓	✓		Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR3060	Site Survey and Planning	✓	✓		✓	✓	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR3020	Structural systems and Building construction-III	✓					Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR4020	Structural systems and Building construction-IV	✓				✓	Explains ethics and code of conduct for professional practice of architecture, Explains the primary acts, laws and rights of citizens, Explains the components of environment and its preservation
B.Arch	B19AR4030	Climatology	✓	✓		✓	✓	Describes the regional sustainable architectural styles which use local materials and techniques

B.Tech ECM	B20CI0101	Introduction to Python Programming					✓	The course familiarises the students concepts of Python Programming which exposes the students to do real time projects that booms in It world.
B.Tech ECM	B20ME0103	Elements of Mechanical and Civil Engineering					✓	The most basic ingredient that identifies a student as an engineer is the knowledge in Elements of Civil engineering (ECE), it is a branch of science which gives the behavior of a body when the body is at rest or in motion. This subject is been introduced in the curriculum of 1st year of engineering level, since it is considered to be fundamental subject for all branches. This subject is very much essential in developing a student's ability in skill development, entrepreneurship and employability.
B.Tech ECM	B20ME0102	Design Thinking					✓	The course familiarises the students to analyze the realtime cases and find dynamical and ethical solutions
B.Tech ECM	B20CS0101	Introduction to Data Science					✓	The course introduces the students to analyze the market baske of e-commerce o improve social market
B.Tech ECM	B20EC0101	IoT and Applications					✓	The course familiarises the students concepts which exposes the students to do real time projects that booms in It world.
B.Tech ECM	B19EM3062	Operating systems (SC-1)					✓	helps the students in understanding the design of fundamental blocks used for building a computer system and interfacing techniques of these blocks to achieve different configurations of an "entire computer system".
B.Tech ECM	B19EM3090	Soft Skill - 1				✓		explains the human values through Soft Skill
B.Tech ECM	B19EM3X10	Yoga/Music/Sports/Dance/Theater				✓		explains the human values through the dance/drama/music
B.Tech ECM	B19EM4010	Introduction to Data Science					✓	The course introduces the students to analyze the market baske of e-commerce o improve social market
B.Tech ECM	B19EM4050	Computer Organization and Architecture					✓	course familiarises the students to concepts of computer system architecture. The course also expose the students interface I/O devices and hierarchical memory system.
B.Tech ECM	B19EM4091	Soft Skill-2				✓		explains the human values through Soft Skill
B.Tech ECM	B19EM4101	Skill Development					✓	The course familiarises the students concepts which exposes the students to do real time projects that booms in It world.
MSc-BT	M19BT1010	Cell Biology	✓				✓	The studnets will learn about the professional ethics in using the model cell cultures for studying the various pathways in the cell.
MSc-BT	M19BT1020	Molecular Genetics and Developmental Biology	✓	✓	✓		✓	Students can learn and understand the human values and professional ethics involved in usage of the organisms in using the various organims models.

MSc-BT	M19BT1030	Microbiology	√			√	√	The Students will understand about the use of Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the adverse effects of the Microorganisms will understood and do's and don'ts while handling the microorganisms
MSc-BT	M19BT1040	Biochemistry	√			√	√	The course helps to understand the various pathways involved in the mechanism for diseases and normal organisms to benefit the human society.
MSc-BT	M19BT1051	Bioinformatics	√					Course prepare the student to overcome various disorders of human with concern to professional ethics in using and handling the genomic data of human
MSc-BT	M19BT1061	Entrepreneurship and Business Plan Presentation – I	√		√		√	course prepare the student to become an enterprenuer with various ideas that can benefit the human values by upholding the ethics
MSc-BT	M19BT1062	Forensic Biology – I	√	√	√	√	√	Students can learn and understand the techniques to identify the forensic materials based on crime, paternity and species specific organisms
MSc-BT	M19BT1070	Cell biology and molecular genetics Laboratory	√		√		√	Students can learn and understand the human values and professional ethics involved in usage of the organisms in using the various organisms models and various pathways that are happening in the cells
MSc-BT	M19BT1080	Microbiology and Biochemistry Laboratory	√			√	√	The Students will understand about the use of Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the adverse effects of the Microorganisms will understood and do's and don'ts while handling the microorganisms
MSc-BT	M19BT1080	Molecular Biology	√					The student will learn the molecular tools to improve and dissect various disorders and disease with out affecting the professional ethics, human values in reporting the data and keeping the environment safe.
MSc-BT	M19BT2020	Immunology and Medical Biotechnology	√				√	Students can learn and understand the process of developmental phases of the cell cultures.
MSc-BT	M19BT2030	Bioprocess Engineering	√			√	√	Students can apply the fermentation process and techniques to produce various food and value added products
MSc-BT	M19BT2040	Biochemical techniques and Enzymology	√			√	√	Students can learn apply the analytical techniques to understand the various biochemicals present in different sources and predict the qualitative and quantitative expression
MSc-BT	M19BT2051	Entrepreneurship and Business Plan Presentation-II	√		√		√	course prepare the student to become an enterprenuer with various ideas that can benefit the human values by upholding the ethics

MSc-BT	M19BT2052	Forensic Biology II	√	√	√	√	√	Students can learn and understand the techniques to identify the forensic materials based on crime, paternity and species specific organisms
MSc-BT	M19BT2061	Animal Biotechnology	√		√	√	√	The course helps the student to understand and handle the cell lines which is obtained from various tissues for the development of vaccines and to test the efficacy of drugs on cell lines and then to higher organisms
MSc-BT	M19BT2062	Toxicology	√			√	√	Students can understand the toxic substances present in food water and air that can affect to the human health and also to learn the genotoxic substances that can affect the environment
MSc-BT	M19BT2070	Molecular Biology, Immunology and Medical Biotechnology (Practical)	√			√	√	The course helps the students to apply the professional ethics, human values and sustainability in using the model organisms for various experiments without harming the environment
MSc-BT	M19BT2080	Biochemical techniques and Bioprocess engineering (Practical)	√			√	√	Students can learn apply the analytical techniques to understand the various biochemicals present in different sources and predict the qualitative and quantitative expression
MSc-BT	M19BT2090	Sports/Yoga/Music/Dance/ Theatre	√		√			The course enriches the student with good body and mind to handle the multi tasking ability by providing environment and moral values
MSc-BT	M19BT3010	Plant and Agricultural Biotechnology	√			√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extinction and also to explore the plant genetic resource for production of phytochemicals, crop improvement
MSc-BT	M19BT3020	Genetic Engineering	√		√	√	√	The students will be able to learn and implement the genetic modification tools to modify the organisms for the benefit of human society with out harming the environment following the human values and ethics
MSc-BT	M19BT3030	Environmental Biotechnology	√			√	√	The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it effects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
MSc-BT	M19BT3041		√		√	√	√	The course enriches the student with knowledge about the usage of various molecules against the diseases in humans cattle with due respect for professional ethics, human values and with out harming the environment

MSc-BT	M19BT3042		√				√	Student will be enriched with handling the data on human population, experimental data, survey with out affecting the human values and professional ethics
MSc-BT	M19BT3051	Genomics and Proteomics	√					Student will be enriched with handling the data on human population, experimental data, survey with out affecting the human values and professional ethics using computational tools
MSc-BT	M19BT3052	Nano Biotechnology	√			√	√	Students will be able to understand and synthesize the nanoparticles that helps to produce bio products
MSc-BT	M19BT3080	Plant and Agricultural Biotechnology & Genetic Engineering	√			√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extinction and also to explore the plant genetic resource for production of phytochemicals, crop improvement with out harming the environment and also to protect the human values with out adulterating the professional ethics
MSc-BT	M19BT3090	Environmental Biotechnology (Practical)	√			√	√	The students will use the biotechnological tools for the estimation of various components which harms the environment causing various hazards for the ecosystem.
MSc-BT	M19BT3600	Organic farming	√			√	√	Student can learn and apply the basic organic farming techniques to develop agricultural products with out affecting the environment and also upholding the professional ethics.
MSc-BT	M19BT1052	Food Science & Technology	√			√	√	Students will be able to understand the process of developing food products, processing and preservation using various techniques
B.Sc PCM	B19PC1080	Chemistry Lab-I				√		It helps the students in understanding the importance of energy resources and the national status of availability of these resources, environmental issues by non-renewable sources and interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life
B.Sc PCM	B19PC2090	Chemistry Practicals-II				√		It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
B.Sc PCM	B19PC3X10	Chemistry Practicals-III				√		It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
B.Sc PCM	B19PC5X20	CHEMISTRY PRACTICAL -V				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect.
B.Sc PCM	B19PC4080	Chemistry Practicals-IV				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effects.

B.Sc PCM	B19PC6X30	Project				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B19PC5X30	CHEMISTRY PRACTICAL -VI				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B19PC6080	Skill Development Program				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B19PC2060	Environmental Studies				√		This course gives an overview of the environment, sustainable development, pollution, and control. Mainly it delas with different issues of environment.
B.Sc PCM	B19PC6X30	Project	√					While conducting any projects it is the most important to have professional ethics and it is intergral part.
B.Sc PCM	B19PC1060	Constitution of India and Professional Ethics		√				This course gives an overview of the Indian constitution: the way of INDIAN governance works.
B.Sc PCM	B19PC2060	Environmental Studies					√	This course gives an overview of the environment, sustainable development, pollution, and control. Mainly it delas with different issues of environment.
B.Sc(MStCs)	B19SM1060	Constitution of India and Professional Ethics	√					It helps the students to explain the Indian constitutional provisions,fundamental rights and human rights and follow them and Explain the duties and more importantly practice them in a right way. Adopt the habit of raising their voice against a unconstitutionality of any laws and upon any legal discrimination as we have session of debates on Constitutional validity.
B.Sc(MStCs)	B19SM2070	Sports/Yoga/music/dance/theatre	√			√		It gives students the opportunity to build motor skills, coordination, movement, and learn important life lessons such as discipline, persistence, patience, teamwork and cooperation, and stress-management skills.They are expected to inculcate these learnings to effect positive change in their personal and professional life in future.
B.Sc(MStCs)	B19SM2060	Environmental Science				√	√	The objective of this course is to enlighten the students about the importance of the protection and conservation of our environment and control of human activities which has an adverse effect on the environment which helps to manage the balance of environmental, economic and societal needs for sustainable development.

B.Sc(MStCs)	B19SM5071	Statistical Quality Control				√	√	In this course students study statistical quality control techniques find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development
B.Sc(MStCs)	B19SM5090	Soft Skill Training	√		√			Explains human values and professional ethics through soft skill training
B.Sc(MStCs)	B19SM6051	Applied Statistics		√				This course imparts knowledge on various gender related issues like Demographic measures fertility, mortality.
B.Sc(MStCs)	B19SM6020	Operations Research				√	√	In this course students study OR tools and techniques find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development
B.Sc(MStCs)	B19SM6052	Econometrics				√	√	In this course students study econometric methods and models and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
B.Sc(MStCs)	B19SM6053	Actuarial Statistics				√	√	This course equip students to apply mathematical and statistical knowledge in the field of insurance and finance which helps to manage the balance of environmental, economic and societal needs for sustainable development..
B.Sc(MStCs)	B19SM6061	Computer Networks				√	√	In this course Students will gain knowledge about networks, networks internal components and its functionality which helps to manage the balance of environmental, economic and societal needs for sustainable development.
B.Sc(MStCs)	B19SM6051	MOOC/SWAYAM/Internship				√	√	In this course to students are encouraged to take up online learnings through MOOC/SWAYAM and do projects/internships in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
B.Sc(MStCs)	B19SM6020	Computer Science Project Work				√	√	In this course to students are encouraged to do projects in computer science and its related disciplines using mathematics, statistics and computer science tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development

M.Sc Mathematics	MS18MT1030	Statistical Methods - I				√	√	Statistical methods are useful in helping to ascertain the proper steps people need to take in order to address issues regarding rising global temperatures, climate change, ocean acidification, coastline erosion, and the like. In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	MS18MT1050	Ordinary and Partial Differential Equations				√	√	In this course students study mathematical methods and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	MS18MT1060	R – Programming with Statistical Methods (Practical)				√	√	In this course students study statistical tools and techniques and their applications with R-programming which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	MS18MT2010	Linear Algebra				√	√	In this course students study linear algebra which helps to develop computational and mathematical models and methods which in turn helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	MS18MT2040	Statistical Methods - II				√	√	In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M18MT2070	Sports/Yoga/music/dance/theatre	√		√			It gives students the opportunity to build motor skills, coordination, movement, and learn important life lessons such as discipline, persistence, patience, teamwork and cooperation, and stress-management skills. They are expected to inculcate these learnings to effect positive change in their personal and professional life in future.
M.Sc Mathematics	M18MT3042	Statistical Methods-III				√	√	In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M18MT3041	Mathematical Methods				√	√	In this course students study mathematical methods and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M18MT3050	MOOC / Swayam / Internship				√	√	In this course students are encouraged to take up online learnings through MOOC/SWAYAM and do projects/internships in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M18MT3060	Soft Skill Training	√		√			Explains human values and professional ethics through soft skill training

M.Sc Mathematics	M18MT4021	Operations Research				√	√	In this course students study OR tools and techniques find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M18MT4060	Project Work				√	√	In this course to students are encouraged to do projects/internships in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
BSc BMCs	B19MC2030	Biochemistry & Microbiology					√	The biochemical and microbiological experiments which are conducted at the lab with regard to the microorganisms or the reagents should not be released directly into the environment as they affect the balance of the ecological systems
BSc BMCs	B19MC2060	Environmental Science					√	The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it affects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
BSc BMCs	B19MC2080	Biochemistry & Microbiology Lab					√	The biochemical and microbiological experiments which are conducted at the lab with regard to the microorganisms or the reagents should not be released directly into the environment as they affect the balance of the ecological systems
BSc BMCs	B19MC1030	Molecular Biology and Genetic engineering				√		This course enriches the knowledge and understanding of the genomes and diseases associated with the humans and their treatment by using advanced techniques for the welfare of humans
BSc BMCs	B19MC1070	Molecular Biology and Genetics Lab				√		This course gives an hands on experience and Ethics on using the subjects required for the experimentation and interpret the data obtained and also in understanding the human values
BSc BMCs	B19MC6020	Operations Research - I	√					This course will help the students to understand the business ethics and protection of human values
BSc BMCs	B19MC1060	Constitution of India				√		Students will learn and understand human rights and fundamental aspects of life and career
BSc BMCs	B19MC3030	Bioinformatics & Biostatistics	√					Students can understand the concepts of biological data stored in the databases and to analyze the expression of genes in all the organisms
BSc BMCs	B19MC3090	Bioinformatics & Biostatistics Lab	√					students will get expertised in the field of bioinformatics to predict genes, proteins and expression characters
BSc BMCs	B19MC4030	Bioperl & Biopython	√					Students can learn the basic programming skills on biological data accession analysis and interpretation
BSc BMCs	B19MC4070	Bioperl & Bio python Lab	√					Student can able to develop bioalgorithms to predict biological data

BSc BMCs	B19MC5010	(Genomics & Proteomics)	✓					Students can understand and analyze sequencing data and to interpret the diseases and functional activities of cells
BSc BMCs	B19MC5041	Data mining & Artificial Intelligence	✓					Students can able develop data storage and analysis skills to predict large data sets using advanced artificial intelligence techniques
BSc BMCs	B19MC5042	Data mining & warehousing	✓					Students can able develop data storage and analysis skills to predict large data sets
BSc BMCs	B19MC5080	Genomics and Proteomics Lab				✓		Students design and analyze the genomic data accessed from publically available databases and interpret the functional activities
BSc BMCs	B19MC5090	Programming using R	✓					Students can use computational methods to predict the statistical data using programming language such as R
BSc BMCs	B19MC6010	Chemoinformatics & Drug designing	✓					Students can able to understand the disease targets and to predict the targeted drugs for the treatment of diseases using computational methods
BSc BMCs	B19MC6041	Medical Informatics				✓		Understand the clinical data and medical case studies can be stored and analyzed using information technology to advance the health care industry
BSc BMCs	B19MC6042	Structural Chemistry	✓					Students can able to develop the structure of chemicals using computational method and understand the toxicity using virtual based method.
BSc BMCs	B19MC6070	MOOC/SWAYAM/Internship	✓					Students can enhance the technical skills to improve the competency for current job opportunities.
BSc BMCs	B19MC6090	Chemoinformatics & Drug designing lab				✓		Students can able to design and develop drug to the disease targets and to predict the physicochemical properties for the treatment of disease
BSc BBG	B19BG1030	Cell Biology	✓				✓	The course will help to understand the cell components of cell and the mechanisms in volved in the signalling aslo tell about the professional ethics and sustainability the technology to asses the cell activity
BSc BBG	B19BG1040	Classical Genetics	✓	✓	✓	✓	✓	This course helps in understanding the gene interaction , crossing , and ethics to use various organisms required for the experiments
BSc BBG	B19BG1050	General Biochemistry - I	✓				✓	student will understand the importance of various techiques to asses the proteins and carbohaydates relavance to professional ethics in reporting the data and sustaibility in the reports
BSc BBG	B19BG1060	Constitution of India	✓		✓			Students will learn and understand human rights and fundamental aspects of life and career
BSc BBG	B19BG1070	Cell Biology Lab	✓				✓	This course helps in handling of the organisms for using them in gene interaction , crossing , and ethics to use various organisms required for the experiments

BSc BBG	B19BG1080	Classical Genetics Lab	√	√	√	√	√	This course helps in understanding the gene interaction , crossing , and ethics to use various organisms required for the experiments
BSc BBG	B19BG1090	General Biochemistry – I Lab	√				√	student will understand the importance of various techiques to asses the proteins and carbohaydates relavance to professional ethics in reporting the data and sustaibility in the reports
BSc BBG	B19BG2030	General Microbiology	√			√	√	The Students will understand about the use of Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the adverse effects of the Microorganisms will understood and do's and don'ts while handling the microorganisms
BSc BBG	B19BG2040	Cytogenetics	√	√		√	√	This enriches the student understanding about the various mechanisms that are involved various organisms in studying their disorders and techniques to correct those disorders
BSc BBG	B19BG2050	Biochemical Techniques	√			√	√	student will understand the importance of various techiques to asses the proteins and carbohaydates relavance to professional ethics in reporting the data and sustaibility in the reports
BSc BBG	B19BG2060	Environmental Science	√		√	√	√	The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it effects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
BSc BBG	B19BG2080	General Microbiology Lab	√			√	√	The students will be taught handling of the Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the adverse effects of the Microorganisms will understood and do's and don'ts while handling the microorganisms
BSc BBG	B19BG2090	Cytogenetics Lab	√	√		√	√	This enriches the student understanding about the various mechanisms that are involved various organisms in studying their disorders and techniques to correct those disorders
BSc BBG	B19BG2X10	Laboratory Course - II	√			√	√	student will understand the importance of various techiques to asses the proteins and carbohaydates relavance to professional ethics in reporting the data and sustaibility in the reports
BSc BBG	B19BG3030	Environmental Biotechnology	√		√	√	√	The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it effects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
BSc BBG	B19BG3040	Molecular Genetics	√		√	√	√	Students can able to understand the genetic disorders and techniques used to identify the genetic diseases

BSc BBG	B19BG3050	Biomolecules	√				√	student will understand the importance of various techniques to assess the proteins and carbohydrates relevance to professional ethics in reporting the data and sustainability in the reports
BSc BBG	B19BG3061	Health & Hygiene	√		√	√	√	Students can be able to understand and develop the health consciousness based on food habits by keeping the hygienic environment
BSc BBG	B19BG3062	Biochemistry in Daily Life	√	√		√	√	student will understand the importance of various techniques to assess the proteins and carbohydrates relevance to professional ethics in reporting the data and sustainability in the reports
BSc BBG	B19BG3070	Environmental Biotechnology Lab	√		√	√	√	The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it affects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
BSc BBG	B19BG3080	Molecular Genetics Lab	√		√	√	√	Students can be able to understand the genetic disorders and techniques used to identify the genetic diseases
BSc BBG	B19BG3090	Laboratory Course – III (Biochemistry)	√				√	student will understand the importance of various techniques to assess the proteins and carbohydrates relevance to professional ethics in reporting the data and sustainability in the reports
BSc BBG	B19BG4030	Molecular Biology & Genetic Engineering	√		√	√	√	Understanding the basic concepts of cells in a living organism and use advanced genetic engineering techniques to predict genes and expressions
BSc BBG	B19BG4040	Evolutionary & Biometrical Genetics	√		√	√	√	Understand and predict the evolutionary relations of an organism related to human and benefit to the society by taking model organisms
BSc BBG	B19BG4050	Human Physiology	√	√			√	The student will understand the mechanisms in male and female and sustainability in the generation due changes in climate.
BSc BBG	B19BG4070	Molecular Biology & Genetic Engineering Lab	√			√	√	Understanding the basic concepts and handling of cells in a living organism and use advanced genetic engineering techniques to predict genes and expressions
BSc BBG	B19BG4080	Evolutionary & Biometrical Genetics Lab	√		√	√	√	Understand and predict the evolutionary relations of an organism related to human and benefit to the society
BSc BBG	B19BG4090	Laboratory Course - IV (Biochemistry)	√			√	√	student will understand the importance of various techniques to assess the proteins and carbohydrates relevance to professional ethics in reporting the data and sustainability in the reports
BSc BBG	B19BG5010	Immunology	√			√	√	The students will understand the importance of immunity and identification various diseases by serological tests.

BSc BBG	B19BG5020	Human Genetics	√	√	√	√	√	Students can understand the genomic structure and functions related to genetic diseases
BSc BBG	B19BG5030	Metabolism – I	√				√	Student will learn about the mechanisms in humans and ethics to be followed in the reporting and analysing the data and also human values and sustainability of the organisms will analysed
BSc BBG	B19BG5041	Bioethics & IPR	√		√		√	Students can understand the concepts of ethics in niche of living organisms in an ecosystem based on their property rights
BSc BBG	B19BG5042	Industrial Biotechnology	√			√	√	The course provides insight into the development of various products with in short span of time in high quantity and quality for the benefit of man kind
BSc BBG	B19BG5051	Medical Genetics	√		√	√	√	Student will understand and identify the diseases based on genes, genomes and proteins
BSc BBG	B19BG5052	Forensic Biology	√	√	√	√	√	Students can learn and understand the techniques to identify the forensic materials based on crime, paternity and species specific organisms
BSc BBG	B19BG5061	Nutritional Biochemistry	√	√		√	√	Student will learn about the mechanisms in humans and ethics to be followed in the reporting and analysing the data and also human values and sustainability of the organisms will analysed
BSc BBG	B19BG5062	Harmonial Biochemistry	√			√	√	Student will learn about the mechanisms in humans and ethics to be followed in the reporting and analysing the data and also human values and sustainability of the organisms will analysed
BSc BBG	B19BG5090	Immunology Lab	√			√	√	The students will understand the importance of immunity and identification various diseases by serological tests
BSc BBG	B19BG5X10	Human Genetics Lab	√	√	√	√	√	Students can understand the genomic structure and functions related to genetic diseases
BSc BBG	B19BG5X20	Laboratory Course – V (Biochemistry)	√			√	√	student will understand the importance of various techiques to asses the proteins and carbohaydates relavance to professional ethics in reporting the data and sustainability in the reports
BSc BBG	B19BG6010	Plant Biotechnology	√			√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extension and also to explore the plant genetic resource for production of phytochemicals, crop improvement
BSc BBG	B19BG6020	Developmental Genetics	√			√	√	Students can learn and understand the process of developmental phases of the cell cultures.
BSc BBG	B19BG6030	Metabolism - II	√				√	Student will learn about the mechanisms in humans and ethics to be followed in the reporting and analysing the data and also human values and sustainability of the organisms will analysed

BSc BBG	B19BG6041	Animal Biotechnology	√	√	√	√	√	The course helps the student to understand and handle the cell lines which is obtained from various tissues for the development of vaccines and to test the efficacy of drugs on cell lines and then to higher organisms
BSc BBG	B19BG6042	Bioinformatics & Biostatistics	√				√	Students can understand the concepts of biological data stored in the databases and to analyse the expression of genes in all the organisms
BSc BBG	B19BG6051	Genotoxicity	√	√		√	√	This study helps the student to treat various diseases and ailments of humans with alkaloids and phytochemicals which are obtained from various sources and testing them on various cell lines and so on. And their release into environment.
BSc BBG	B19BG6052	Applicative Genetics	√	√	√	√	√	Students can able to understand the genetic disorders and techniques used to identify the genetic diseases
BSc BBG	B19BG6061	Biochemistry of Plant Sciences	√			√	√	Students will understand the various pathways that operate in the humans and other organisms where professional ethics, environment and sustainability plays an important role assessing the organisms
BSc BBG	B19BG6062	Biochemistry of Animal Sciences	√			√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extension and also to explore the plant genetic resource for production of phytochemicals, crop improvement
BSc BBG	B19BG6080	Plant Biotechnology Lab	√			√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extension and also to explore the plant genetic resource for production of phytochemicals, crop improvement
BSc BBG	B19BG6090	Developmental Genetics Lab	√		√	√	√	Students can learn and understand the process of developmental phases of the cell cultures.
BSc BBG	B19BG6X10	Laboratory Course – VI	√				√	student will understand the importance of various techniques to assess the proteins and carbohydrates relevance to professional ethics in reporting the data and sustainability in the reports
BA.LL.B	B19AL2040	Law and Social Issues in India			√			Gender sensitization To apply sociological theories to a myriad of contemporary justice problems. Use knowledge on sociological theories to analyse contemporary problems of Indian society, and critically reflect on media reports and cultural products concerning justice issues.

BA.LL.B	B19AL3030	Exploration of Social in equalities			✓		Gender sensitization,Ethics, Human Values:The aim is to look at the distribution of key social resources to groups and individuals, as well as theoretical explanations of how unequal patterns of distribution are produced, maintained, and challenged. You will also be 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	
BA.LL.B	B19AL4010	Public Policy and Public Administration			✓		Gender sensitization:. All the great human events in history were probably achieved by what we today would call public administration. Organization and administrative practices in collective or public settings are as old as civilization. The field of public policy has assumed considerable importance in response to the increasing complexity of the government activity.	
BA.LL.B	B19AL4030	Public International Law			✓		Gender sensitization:-the basics of Public International Law and practice and the "general" part of international law, i.e. questions of law making, sovereignty, jurisdiction, responsibility, enforcement, the settlement of disputes, and specific topics such as the use of force.	
BA.LL.B	B19AL4050	Administrative Law			✓		Gender sensitization,Ethics: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 Administrative lawyering in India.	
BA.LL.B	B19AL5020	Family Law -I	✓		✓	✓	Gender sensitization, ,Ethics::It attempts to examine the legal principles and the legalese, in connection with, Hindu marriage and Divorce, Inheritance and Succession to property, Guardianship, Maintenance and Adoption	
BA.LL.B	B19AL5040	Corporate Law			✓		✓	Sustainability, Gender sensitization:the development of students' skills in legal reasoning and analysis through study of statutes, case law and regulatory practice relating to Company Law.
BA.LL.B	B19AL5050	Labour Law -I			✓		Gender sensitization:to be acquainted with the Industrial relations framework in our country. Further, the importance of the maintenance of Industrial peace	

BA.LL.B	B19AL6072	Information Technology Law	✓		✓			Gender sensitization,Ethics:aims at appreciating one of the important emerging areas of law and the nitty-gritty involved in it.The underlying philosophy of the subject and its relation to other areas focusing on human rights.
BA.LL.B	B19AL7072	International Criminal Law		✓	✓			Gender sensitization,Environment,Ethics:4. To provide basic knowledge with regard to the most important case-law of international criminal courts and tribunals.
BA.LL.B	B19AL8050	Trade in Service & immigration Laws	✓		✓			Gender sensitization,Ethics:the constitutional basis for regulating immigration into India, and, to some extent, the constitutional rights of non-citizens in the country; the history of Indian immigration law and policy
BA.LL.B	B19AL1040	OB and Behavioural Organisation	✓		✓			Gender sensitization , Ethics:provide an understanding of basic concepts, theories and techniques in the field of human Behaviour at the individual, group and organizational levels in the changing global scenario
BA.LL.B	B19AL3010	Human Resource Management			✓	✓		Gender sensitization ,Human values:To familiarize students with the different aspects of managing Human Resources in the Organization through the phases of acquisition, development and retention.
BA.LL.B	B19AL7010	Environmental Law		✓		✓	✓	Sustainability, Environment,Human values:Environmental law necessarily demands an inter-disciplinary approach,uniqueness of the subject is borne out by the new epistemological outlook which ecology-related knowledge has brought about in recent times.
BA.LL.B	B19AL7030	International Human Rights Law	✓		✓			Gender sensitization,Ethics:The understanding of human rights is the foundation for the development of a good citizen and a responsible legal professional.
BA.LL.B	B19AL8020	International Humanitarian & Refugee Law	✓		✓			Gender sensitization,Ethics:to introduce to international humanitarian law and to international refugee law, to examine the protection of refugees under both sets of laws, to survey the sources of IHL and IRL, to outline the substantive law within each domain and to introduce their respective attendant international institutional frameworks.
BA.LL.B	B19AL8072	Media Law			✓			Gender sensitization:Mass communication from the days of printing press has played a very important role in the formation of public opinion. Advancement in science and technology has changed the scope and dimensions of mass communication. ICT has created digital era for us.

BA.LL.B	B19AL9010	Professional Ethics and Accountancy	✓			✓	Ethics, Human values:Ethics are an integral part of every profession. Every profession has certain peculiar codes of conduct and well defined norms. Advocacy being a profession of immense social relevance, and its significant role in the justice delivery system makes it a unique profession in itself and therefore it is highly desired that this profession be carried on ethically
BA.LL.B	B19AL9072	Women and Law (Honours)			✓		Gender sensitization:India is a country with diverse cultures. Irrespective of this fact, the plight of women has remained the same for all cultures and communities in India. Women, not only because of their being a weaker sex, but also due to the country's cultural drawbacks, have suffered subjugation and exploitation since ages and at all levels. Spread of education and technology has not been able to resolve women's issues; instead, the nature of issues relating to women, have further complicated and crimes aggravated.
BBA.LL.B	B19BL4030	Public International Law			✓		Gender sensitization:-the basics of Public International Law and practice and the "general" part of international law, i.e. questions of law making, sovereignty, jurisdiction, responsibility, enforcement, the settlement of disputes, and specific topics such as the use of force.
BBA.LL.B	B19BL4050	Administrative Law	✓		✓		Gender sensitization,Ethics: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 Administrative lawyering in India.
BBA.LL.B	B19BL5020	Family Law -I	✓		✓		Gender sensitization, ,Ethics:It attempts to examine the legal principles and the legalese, in connection with, Hindu marriage and Divorce, Inheritance and Succession to property, Guardianship, Maintenance and Adoption
BBA.LL.B	B19BL5040	Corporate Law	✓		✓	✓	Sustainability, Gender sensitization:the development of students' skills in legal reasoning and analysis through study of statutes, case law and regulatory practice relating to Company Law.
BBA.LL.B	B19BL5050	Labour Law -I			✓		Gender sensitization:to be acquainted with the Industrial relations framework in our country. Further, the importance of the maintenance of Industrial peace
BBA.LL.B	B19BL6072	Information Technology Law	✓		✓		Gender sensitization,Ethics:aims at appreciating one of the important emerging areas of law and the nitty-gritty involved in it.The underlying philosophy of the subject and its relation to other areas focusing on human rights.

BBA.LL.B	B19BL7072	International Criminal Law	✓	✓	✓			Gender sensitization,Environment,Ethics:4. To provide basic knowledge with regard to the most important case-law of international criminal courts and tribunals.
BBA.LL.B	B19BL8050	Trade in Service & immigration Laws	✓		✓			Gender sensitization,Ethics:the constitutional basis for regulating immigration into India, and, to some extent, the constitutional rights of non-citizens in the country; the history of Indian immigration law and policy
BBA.LL.B	B19BL1040	OB and Behavioural Organisation	✓		✓			Gender sensitization , Ethics:provide an understanding of basic concepts, theories and techniques in the field of human Behaviour at the individual, group and organizational levels in the changing global scenario
BBA.LL.B	B19BL3010	Human Resource Management			✓	✓		Gender sensitization ,Human values:To familiarize students with the different aspects of managing Human Resources in the Organization through the phases of acquisition, development and retention.
BBA.LL.B	B19L3040	Constitutional law- I	✓	✓	✓	✓	✓	Gender sensitization, Ethics,Environment ,Sustainability:The philosophy of Constitutionalism and its impact on people's lives through the implementation of Fundamental Rights will be the intellectual focus of the course.
BBA.LL.B	B19BL7010	Environmental Law					✓	Sustainability, Environment,Human values:Environmental law necessarily demands an inter-disciplinary approach,uniqueness of the subject is borne out by the new epistemological outlook which ecology-related knowledge has brought about in recent times.
BBA.LL.B	B19BL7030	International Human Rights Law	✓		✓			Gender sensitization,Ethics:The understanding of human rights is the foundation for the development of a good citizen and a responsible legal professional.
BBA.LL.B	B19BL8020	International Humanitarian & Refugee Law	✓		✓			Gender sensitization,Ethics:to introduce to international humanitarian law and to international refugee law, to examine the protection of refugees under both sets of laws, to survey the sources of IHL and IRL, to outline the substantive law within each domain and to introduce their respective attendant international institutional frameworks.
BBA.LL.B	B19BL8072	Media Law			✓			Gender sensitization:Mass communication from the days of printing press has played a very important role in the formation of public opinion. Advancement in science and technology has changed the scope and dimensions of mass communication. ICT has created digital era for us.

BBA.LL.B	B19BL9010	Professional Ethics and Accountancy	✓			✓	Ethics, Human values: Ethics are an integral part of every profession. Every profession has certain peculiar codes of conduct and well defined norms. Advocacy being a profession of immense social relevance, and its significant role in the justice delivery system makes it a unique profession in itself and therefore it is highly desired that this profession be carried on ethically
B.Tech ME	B18ME1050	Environmental Studies				✓	Environmental Science includes the introduction to environment, Objectives & guiding principles of Environmental education, environmental ethics
B.Tech ME	B18ME2060	Constitution of India and Professional Ethics	✓				The course deals with the Indian Constitution which guarantees the basic human rights, remedies and special provisions relating to certain classes which is most important to pronounce human rights and value.
B.Tech ME	B18ME3090	Placement Training-1			✓		Placement & Training-I helpful in cultivating values such as Integrity, honesty, work ethic, time mangement, cooperation and commitment
B.Tech ME	B18ME3X10	Sports/Yoga/Music/Dance/Theatre			✓		helpful in cultivating moral and spiritual values and brings unity in diversity
B.Tech ME	B18ME4044	Management & Entrepreneurship			✓		The course deals with mainly acquiring the required skills and knowledge to become a successful entrepreneur and also to function in a specific managerial discipline. It moulds the students with necessary human values which is very much required for sustaining in any of the organization or to become an entrepreneur.
B.Tech ME	B18ME4090	Placement Training-2			✓		Placement & Training-II helpful in cultivating values such as Integrity, honesty, work ethic, time mangement, cooperation and commitment
B.Tech ME	B18ME5031	Power Plant Engineering				✓	The course contains the details of steam and gas thermal power plants, hydro power plants, nuclear power plants, along with solar, wind and geothermal energy power systems in addition to the direct energy conversion.
B.Tech ME	B18ME5041	Renewable Energy Resources				✓	The course is designed to familiarize and train the student with the tools and techniques used to assess the various renewable energy resources and its potential at any location across the globe, so that a student is able analyse a case quantitatively at the end of the term.
B.Tech ME	B18ME5090	Placement Training-3			✓		Placement & Training-II helpful in cultivating values such as Integrity, honesty, work ethic, time mangement, cooperation and commitment

B.Tech ME	B18ME6021	Bio-Mass Energy System					✓	The course provides in-depth knowledge of fuel characterisation, treatment and conversion technologies, environmental consequences, and resource utilisations related to bioenergy.
B.Tech ME	B18ME6031	Refrigeration and Air conditioning					✓	The course consists of different refrigeration cycles and understanding of psychrometry and psychrometric processes used for the purpose of air-conditioning. Further, the comfort air-conditioning and indoor environment health are also addressed in this course.
B.Tech ME	B18ME6090	Placement Training-4				✓		Placement & Training-II helpful in cultivating values such as Integrity, honesty, work ethic, time mangement, cooperation and commitment
B.Arch	B20AR1050	Environmental Studies		✓		✓	✓	Explains the components of environment and its preservation
B.Arch	B20AR1060	Technical English I	✓					Explains ethics and code of conduct for professional practice of architecture
B.Arch	B20AR2060	Technical English II	✓					Explains ethics and code of conduct for professional practice of architecture
B.Arch	B20AR2070	Constitution of India				✓		Explains the primary acts , laws and rights of citizens
B.Arch	B20AR3040	Building Services-I		✓			✓	Describes the regional sustainable architectural styles which use local materials and techniques
B.Arch	B20AR3060	Site survey and planning		✓			✓	Describes the regional sustainable architectural styles which use local materials and techniques
B.Arch	B20AR3070	Computer applications in Architectural design - I	✓					Explains ethics and code of conduct for professional practice of architecture
B.Arch	B20AR4030	Climatology		✓			✓	Explains energy efficient methods for a sustainable built environment
B.Arch	B20AR4040	Building Services -II		✓			✓	Explains energy efficient methods for a sustainable built environment
B.Arch	B20AR4070	Computer applications in Architectural design - II	✓					Explains ethics and code of conduct for professional practice of architecture
B.Arch	B20AR5040	Building services III		✓			✓	Explains energy efficient methods for a sustainable built environment
B.Arch	B20AR5050	Theory of Architecture					✓	Explains multiple discipline w.r.t to Gender, human values, Environment & Sustainability
B.Arch	B20AR6051/52	Research in Architecture/Digital Architecture	✓					Explains ethics and code of conduct for professional practice of architecture
B.Arch	B20AR6071/72 /73	Certification Course (Advanced Software/Parametric modeling/Building Automation)	✓					Explains ethics and code of conduct for professional practice of architecture

B.Arch	B20AR7020	Estimation & Costing	√					Explains ethics and code of conduct for professional practice of architecture
B.Arch	B20AR7041/42 /43	Interior Design/graphic or Product Design	√	√		√		Explains ethics and code of conduct for professional practice of architecture
B.Arch	B20AR7051	Vernacular Architecture		√			√	Describes the regional sustainable architectural styles which use local materials and techniques
B.Arch	B20AR7052	Barrier free Architecture			√	√		Explains the techniques of making provisions in the built environment for needs of the physically challenged, Senior citizens etc for a sustainable environment for all
B.Arch	B20AR7062	Fine arts	√					Explains ethics and code of conduct for professional practice of architecture
B.Arch	B20AR9020	Pre-Thesis		√		√	√	Explains multiple discipline w.r.t to Gender, human values, Environment & Sustainability
B.Arch	B20AR9030	Landscape design		√			√	Explains energy efficient methods for a sustainable built environment
B.Arch	B20AR9041	Urban Design		√			√	Describes the regional sustainable architectural styles which use local materials and techniques
B.Arch	B20AR9042	Conservation studies			√	√	√	Describes the regional sustainable architectural styles which use local materials and techniques
B.Arch	B20AR9051	Advanced Building Materials	√	√			√	Explains energy efficient methods for a sustainable built environment
B.Arch	B20AR9052	Real Estate and Valuation	√					Explains ethics and code of conduct for professional practice of architecture
B.Arch	B20AR9010	Certification Course Entrepreneurship development	√					Explains ethics and code of conduct for professional practice of architecture
B.Arch	B20ARX021/ B20ARX022 and Management	Architectural Journalism/Disaster Mitigation		√		√	√	Describes the regional sustainable architectural styles which use local materials and techniques
B.Arch	B20ARX030	Construction Management	√					Explains ethics and code of conduct for professional practice of architecture
B.Arch	B20ARX040	MOOC / SWAYAM	√					Explains ethics and code of conduct for professional practice of architecture
MSc Chemistry	M20CH3342	Energy and Energy Conversion Systems - III.5				√		It helps the students in understanding the importance of energy resources and the national status of availability of these resources, environmental issues by non-renewable sources and interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life

MSc Chemistry	M20CH3441	Environmental Chemistry and Applied Analysis - III.4				√		It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
MSc Chemistry	M20CH2051	Chemistry of Life - II.1				√		It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
MSc Chemistry	M20CH1060	Organic Chemistry-I (Practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M20CH1070	Physical Chemistry-I(Practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M20CH2070	Inorganic Chemistry-II (practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M20CH2080	Analytical Chemistry-II (practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M20CH3071	Inorganic Chemistry-III (practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M20CH3072	Organic Chemistry-III.1				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M20CH3073	Analytical Chemistry –III.1				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M20CH3081	Advanced Inorganic chemistry Practicals-III.2				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M20CH3082	Advanced Organic Chemistry Practicals-III.2				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M20CH3083	Analytical Chemistry –III.2				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect

MSc Chemistry	M20CH4041	Advanced organic chemistry lab-IV.1				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M20CH4042	Advanced Inorganic chemistry lab-IV.2				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M20CH4043	Analytical Chemistry lab-IV.3				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M20CH3242	Green Chemistry-III .5				√		This subject deals with using environment-friendly chemicals/solvents for the synthesis of compounds and their mechanism.
MSc Chemistry	M20CH4010	Major Project				√		It helps the students to progress in practical- oriented things and make the students face any kind of challenge
MSc Chemistry	M20CH4030	MOOC/SWAYAM /Internship*				√		This helps students to unlock their ability to learn on their own and scale up their self-learning abilities.
MSc Chemistry	M20CH3342	Energy and Energy Conversion Systems - III.5					√	It helps the students in understanding the importance of energy resources and national status of availability of these resources and the interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life
MSc Chemistry	M20CH3441	Environmental Chemistry and Applied Analysis - III.4					√	It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
MSc Chemistry	M20CH2051	Chemistry of Life -II.1					√	It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
MSc Chemistry	M20CH2051	Chemistry of Life -II.1	√					It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life and educates us to follow personal and professional ethics to participate in keeping a clean environment. How important to understand and implement to have a good environment with the sustainability of energy.
MSc Chemistry	M20CH4010	Major Project	√					Professional ethics are essential in any major project, as they help ensure that the project is completed with integrity, honesty, and respect for all stakeholders involved. Students should follow transparency, accountability, adherence to legal and professional ethics while conducting the scientific research projects.

B.Tech Civil Engg	B20ED0305	Water and Waste Water Engineering				√		Water and Waste Water Engineering introduces the concept of water supply and importance of sanitation for clean and healthy environment
B.Tech Civil Engg	B20ED0305	Water and Waste Water Engineering					√	Water and Waste Water Engineering introduces the concept of water supply and importance of sanitation for clean and healthy environment
B.Tech Civil Engg	B20ED0405	Concrete technology					√	In this subject, the sustainable use of concrete ingredients is introduced.
B.Tech Civil Engg	B20ED0504	Solid Waste Management				√		Solid Waste Management gives an insight into the collection, transfer, transport and safe disposal of municipal and hazardous solid waste.
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B.Tech Civil Engg	B20EDS501	Energy Science and Engineering				√		Energy engineering combines knowledge from the fields of physics, math, and chemistry with economic and environmental engineering practices
B.Tech Civil Engg	B20EDS501	Energy Science and Engineering					√	Energy engineering combines knowledge from the fields of physics, math, and chemistry with economic and environmental engineering practices
B.Tech Civil Engg	B20EDS502	Pavement Materials and construction					√	Pavement Materials and Construction introduces the various materials and its sustainable use in construction
B.Tech Civil Engg	B20EDS609	Solid and Hazardous Waste Management				√		The subject deals with the solid and diverse hazardous wastes and its disposal and management aspects.
B.Tech Civil Engg	B20EDS609	Solid and Hazardous Waste Management					√	The subject deals with the solid and diverse hazardous wastes and its disposal and management aspects.
B.Tech Civil Engg	B20EDS611	Industrial Waste Water Treatment				√		Industrial Waste Water Treatment introduces the effect of industrial effluents on streams and treatment of various industrial effluents
B.Tech Civil Engg	B20EDS611	Industrial Waste Water Treatment					√	Industrial Waste Water Treatment introduces the effect of industrial effluents on streams and treatment of various industrial effluents
B.Tech Civil Engg	B20EDS612	Global Warming and Climate Change				√		It involves the potential climate change and the aspects of global warming and the factors causes etc.,
B.Tech Civil Engg	B20EDS612	Global Warming and Climate Change					√	It involves the potential climate change and the aspects of global warming and the factors causes etc.,
B.Tech Civil Engg	B20EDS713	Civil Engineering-Societal &Global Impact				√		The societal and global impact of the Civil Engineering domain with regards to the environment has introduced.
B.Tech Civil Engg	B20EDS713	Civil Engineering-Societal &Global Impact					√	The societal and global impact of the Civil Engineering domain with regards to the sustainable environment has introduced.

B.Tech Civil Engg	B20EDS713	Civil Engineering-Societal &Global Impact					√	The societal and global impact of the Civil Engineering domain with regards to the environment has introduced.
B.Tech Civil Engg	B20EDS720	Environmental Impact Assessment and Life Cycle Analysis				√		Environmental Impact Assessment includes the understanding of the impacts related to developing projects on Environment
B.Tech Civil Engg	B20EDS720	Environmental Impact Assessment and Life Cycle Analysis				√		Environmental Impact Assessment includes the understanding of the impacts related to developing projects on Environment
B.Tech Civil Engg	B20EDS721	Engineering Materials and Sustainability				√		The subject deals with the various engineering materials and the sustainable challenges in a long-run etc.,
B.Tech Civil Engg	B20EDS722	Environmental Geotechnology				√		Environmental Geotechnology helps to identify the sources and types of contaminations that are responsible for surface and subsurface contamination; to analyze and interpret data related to the remediation techniques
B.Tech Civil Engg	B20EDS722	Environmental Geotechnology				√		Environmental Geotechnology helps to identify the sources and types of contaminations that are responsible for surface and subsurface contamination; to analyze and interpret data related to the remediation techniques
M.Tech TEM	M20TK0106	Urban Transport Planning				√	√	This course deals with the better planning of transport systems, such as public transport, NMT, and so on, which could help both the environment and the sustainable development of cities.
M.Tech TEM	M20TKS232	Land use and Transportation planning.					√	This course provides the fundamental concepts and skill sets needed to plan urban land use and transportation, as well as analyse the impact of various policies related to infrastructure, sustainable development, environmental regulation, and urban expansion. This will help future planners in developing more comprehensive plans for our smart cities.
M.Tech TEM	M20TKS241	Environmental Impact Assessment of Transportation Projects				√		This course deals with the process of evaluating the possible environmental implications of a planned transportation project or developments, taking into account both positive and negative inter-related socioeconomic, cultural, and human-health impacts. EIA is a technique for assessing the positive and negative environmental, economic, and social implications of a transportation-related project.
M.Tech CASE	M20TK0106	Urban Transport Planning				√	√	This course deals with the better planning of transport systems, such as public transport, NMT, and so on, which could help both the environment and the sustainable development of cities.

M.Tech CASE	M20TKS232	Land use and Transportation planning.					✓	This course provides the fundamental concepts and skill sets needed to plan urban land use and transportation, as well as analyse the impact of various policies related to infrastructure, sustainable development, environmental regulation, and urban expansion. This will help future planners in developing more comprehensive plans for our smart cities.
M.Tech CASE	M20TKS241	Environmental Impact Assessment of Transportation Projects					✓	This course deals with the process of evaluating the possible environmental implications of a planned transportation project or developments, taking into account both positive and negative inter-related socioeconomic, cultural, and human-health impacts. EIA is a technique for assessing the positive and negative environmental, economic, and social implications of a transportation-related project.
M.Tech CTM	M20TES232	Green Building Technology					✓	Life Cycle impacts of materials and products, Thermal properties of building materials.
	M20TE0102	Building services					✓	Applications of services for different types of buildings, Factors in Noise control in residential building.
B.Tech ECE	B20ME0103	Elements of Mechanical and Civil Engineering					✓	The most basic ingredient that identifies a student as an engineer is the knowledge in Elements of Civil engineering (ECE), it is a branch of science which gives the behavior of a body when the body is at rest or in motion. This subject is been introduced in the curriculum of 1st year of engineering level, since it is considered to be fundamental subject for all branches. This subject is very much essential in developing a student's ability in skill development, entrepreneurship and employability.
B.Tech ECE	B20ME0102	Design Thinking					✓	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.
B.Tech ECE	B20CS0101	Introduction to Data Science					✓	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.
B.Tech ECE	B20EC0101	IoT and Applications					✓	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.

B.Tech ECE	B20ME0104	Entrepreneurship			✓			The course deals with mainly acquiring the required skills and knowledge to become a successful entrepreneur and also to function in a specific managerial discipline. It moulds the students with necessary human values which is very much required for sustaining in any of the organization or to become an entrepreneur.
B.Tech ECE	B20AH0301	Communication Skills			✓			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.
B.Tech ECE	B20LS0301	Indian Constitution and Professional Ethics	✓		✓			The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human values.
B.Tech ECE	B20AHM401	Universal Human Values			✓			Development of a holistic perspective based on self- exploration about themselves (human being), family, society and nature/existence and Understanding (or developing clarity) of the harmony in the human being, family, society and nature/existence
B.Tech ECE	B20EN0506	Technical Documentation			✓			The objectives of this course are to Acquire language skills, Develop linguistic and communicative competencies, Study academic subjects more effectively using the theoretical and practical components of English syllabus, and hence will develop study skills and communication skills in formal and informal situations.
B.Tech ECE	B20EN0507	Research based project	✓					Research-based project course targets to promote and develop student competencies related to research practice and to benefit students through activities linked to research. This course denotes the application of learning and teaching strategies that link research with teaching. One of the main advantages would be to awaken student's interest in knowledge and the main problems that society faces in order that students may broaden their perspectives and focus their study areas.
B.Tech ECE	B20EN0601	Control Engineering					✓	The course can contribute to sustainability by optimizing the stability of systems, improving their efficiency.
B.Tech ECE	B20EN0603	Computer Networks					✓	The course will involve a

B.Tech ECE	B20EN0604	Computer Architecture and organization					✓	helps the students in understanding the design of fundamental blocks used for building a computer system and interfacing techniques of these blocks to achieve different configurations of an “entire computer system”.course familiarises the students to concepts of computer system architecture. The course also expose the students interface I/O devices and hierarchical memory system.
B.Tech ECE	B20ENS631	Power Electronics(PE3)					✓	This course provides the basics of power devices, semiconductor devices control characteristics and its application is discussed. It also covers analysis of power converters for R, RL, RLE load conditions. The different types of modulation technique for control and conversion of power is also discussed
B.Tech ECE	B20ENS632	Cryptography and Network Security(PE3)	✓					The course involves the concept of securing the message signal from hacking or third party. It also deals with professional ethical issues about secure communication.
B.Tech ECE	B20PA0501	Indian Tradition and Culture				✓		The course Provide conceptual knowledge of Indian culture and traditions, Introduce students to the science and technological advancements related to Indian culture. Help students understand the Indian spiritual aspects of Indian culture.
B.Tech ECE	B20ENS743	Operating Systems (PE4)					✓	Operating systems courses can help learners understand the different types of operating systems, from Windows XP to the latest versions of Apple macOS. Once learners understand the basics, they can start building, managing, and repairing hardware devices
B.Tech ECE	B20ECO702	Robotic Systems(OE3)					✓	It introduces various methods of dimensionality reduction, reasons for dimensionality reduction, concepts of neural networks, different aspects involved in neural networks, their activation function, back propagation algorithm etc. Impart the knowledge of Deep learning, a powerful set of techniques for learning in Neural Networks
B.Tech ECM	B20ME0103	Elements of Mechanical and Civil Engineering					✓	The most basic ingredient that identifies a student as an engineer is the knowledge in Elements of Civil engineering (ECE), it is a branch of science which gives the behavior of a body when the body is at rest or in motion. This subject is been introduced in the curriculum of 1st year of engineering level, since it is considered to be fundamental subject for all branches. This subject is very much essential in developing a student’s ability in skill development, entrepreneurship and employability.
B.Tech ECM	B20ME0102	Design Thinking					✓	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.

B.Tech ECM	B20CS0101	Introduction to Data Science					✓	Data Science is an interdisciplinary, problem-solving oriented subject that is used to apply scientific techniques to practical problems.
B.Tech ECM	B20EC0101	IoT and Applications					✓	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.
B.Tech ECM	B20ME0104	Entrepreneurship	✓					The course deals with mainly acquiring the required skills and knowledge to become a successful entrepreneur and also to function in a specific managerial discipline. It moulds the students with necessary human values which is very much required for sustaining in any of the organization or to become an entrepreneur.
B.Tech ECM	B20EP0403	Control Systems Engineering					✓	The course can contribute to sustainability by optimizing the stability of systems, improving their efficiency.
B.Tech ECM	B20AH0301	Communication Skills				✓		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.
B.Tech ECM	B20LS0301	Indian Constitution and Professional Ethics	✓					The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human values.
B.Tech ECM	B20AHM401	Universal Human Values				✓		Development of a holistic perspective based on self- exploration about themselves (human being), family, society and nature/existence and Understanding (or developing clarity) of the harmony in the human being, family, society and nature/existence
B.Tech ECM	B20EP0508	Technical Documentation				✓		The objectives of this course are to Acquire language skills, Develop linguistic and communicative competencies, Study academic subjects more effectively using the theoretical and practical components of English syllabus, and hence will develop study skills and communication skills in formal and informal situations.
B.Tech ECM	B20EP0509	Research based project	✓					Research-based project course targets to promote and develop student competencies related to research practice and to benefit
B.Tech ECM	B20EPS512	Computer Organization and Operating Systems(PE1)					✓	helps the students in understanding the design of fundamental blocks used for building a computer system and interfacing techniques of these blocks to achieve different configurations of an “entire computer system”.course familiarises the students to concepts of computer system architecture. The course also expose the students interface I/O devices and hierarchical memory system.

B.Tech ECM	B20PA0501	Indian Tradition and Culture			✓			The course Provide conceptual knowledge of Indian culture and traditions, Introduce students to the science and technological advancements related to Indian culture. Help students understand the Indian spiritual aspects of Indian culture.
B.Tech ECM	B20EP0702	Cyber Security and Blockchain	✓					The course involves the concept of securing the message signal from hacking or third party. It also deals with professional ethical issues about secure communication. Analyzing and Understanding the challenges with respect to Security and Privacy through Cyber physical systems
B.Tech ECM	B20ECO802	Robotics and Automation					✓	It introduces various methods of dimensionality reduction, reasons for dimensionality reduction, concepts of neural networks, different aspects involved in neural networks, their activation function, back propagation algorithm etc. Impart the knowledge of Deep learning, a powerful set of techniques for learning in Neural Networks
B. Tech AIML	B20AS0109	Biology for Engineers					✓	This course is designed to lay foundation in the field of Cell biology, Molecular biology and Genetics, so that anyone who is interested can design better product/process to enhance the overall quality of life
B. Tech AIML	B20AS0303	Environmental Science					✓	This introductory course is designed to introduce you to the foundational concepts of environmental engineering, types of resources, biodiversity, threats and methods of conservation, sources and control measures of environmental pollution and ways to protect the environment.
B. Tech AIML	B20AHM401	Universal Human Values	✓					Basic human values refer to those values which are at the core of being human. The values which are considered basic inherent values in humans include truth, honesty, loyalty, love, peace, etc. because they bring out the fundamental goodness of human beings and society at large. This subject focuses on developing holistic perspective and harmony on self-exploration among individuals, family and society.
B. Tech AIML	B20LS0301	Indian Constitution and Professional Ethics					✓	The Constitution of India lays down in defining fundamental political principles, establishes the structure, procedures, powers and duties of government institutions and sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human values. It also helps to know the meaning of ethics and need of ethics in personal and professional life
B. Tech AIML	B20PA0501	Indian Tradition and Culture	✓					This course offers the students with various aspects of culture and heritage of India. This course also enable the students to understand the contribution of our ancestors in the areas of science, medicine, arts, language and literature

B. Tech AIML	B20EF0701	Cryptography and Network Security					√	If hacking involves creativity and thinking 'out- of-the-box', then vulnerability testing and security audits will not ensure the security proofing of an organization. To ensure that organizations have adequately protected their information assets, they must adopt the approach of 'defense in depth'. In other words, they must penetrate their networks and assess the security posture for vulnerabilities and exposure. This course helps develops individuals in the specific network
Msc BT	M20BT1010	Cell Biology	√				√	The studnets will learn about the professional ethics in using the model cell cultures for studying the various pathways in the cell.
Msc BT	M20BT1020	Molecular Genetics and Developmental Biology	√	√	√		√	Students can learn and understand the human values and professional ethics involved in usage of the organisms in using the various organims models.
Msc BT	M20BT1030	Microbiology	√			√	√	The Students will understand about the use of Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the adverse effects of the Microorganisms will understood and do's and don'ts while handling the microorganisms
Msc BT	M20BT1040	Biochemistry	√			√	√	The course helps to unnderstand the various pathways involved in the mechanism for diseases and normal oragnisms to benefit the human society.
Msc BT	M20BT1051	Bioinformatics	√					Course prepare the student to overcome various disorders of human with concern to professional ethics in using and handling the genomic data of human
Msc BT	M20BT1061	Entrepreneurship and Business Plan Presentation – I	√		√		√	course prepare the student to become an enterprenuer with various ideas that can benefit the human values by upholding the ethics
Msc BT	M20BT1062	Forensic Biology – I	√	√	√	√	√	Students can learn and understand the techniques to identify the forensic materials based on crime, paternity and species specific organisms
Msc BT	M20BT1070	Cell biology and molecular genetics Laboratory	√		√		√	Students can learn and understand the human values and professional ethics involved in usage of the organisms in using the various organims models and various pathways that are happening in the cells
Msc BT	M20BT1080	Microbiology and Biochemistry Laboratory	√			√	√	The Students will understand about the use of Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the adverse effects of the Microorganisms will understood and do's and don'ts while handling the microorganisms

Msc BT	M20BT1080	Molecular Biology	√					The student will learn the molecular tools to improve and dissect various disorders and disease with out affecting the professional ethics, human values in reporting the data and keeping the environment safe.
Msc BT	M20BT2020	Immunology and Medical Biotechnology	√				√	Students can learn and understand the process of developmental phases of the cell cultures.
Msc BT	M20BT2030	Bioprocess Engineering	√			√	√	Students can apply the fermentation process and techniques to produce various food and value added products
Msc BT	M20BT2040	Biochemical techniques and Enzymology	√			√	√	Students can learn apply the analytical techniques to understand the various biochemicals present in different sources and predict the qualitative and quantitative expression
Msc BT	M20BT2051	Entrepreneurship and Business Plan Presentation-II	√		√		√	course prepare the student to become an enterprenuer with various ideas that can benefit the human values by upholding the ethics
Msc BT	M20BT2052	Forensic Biology II	√	√	√	√	√	Students can learn and understand the techniques to identify the forensic materials based on crime, paternity and species specific organisms
Msc BT	M20BT2061	Animal Biotechnology	√		√	√	√	The course helps the student to understand and handle the cell lines which is obtained from various tissues for the development of vaccines and to test the efficacy of drugs on cell lines and then to higher organisms
Msc BT	M20BT2062	Toxicology	√			√	√	Students can understand the toxic substances present in food water and air that can affect to the human health and also to learn the genotoxic substances that can affect the environment
Msc BT	M20BT2070	Molecular Biology, Immunology and Medical Biotechnology (Practical)	√			√	√	The course helps the students to apply the professional ethics, human values and ssustainability in using the model organisms for various experiments without harming the environment
Msc BT	M20BT2080	Biochemical techniques and Bioprocess engineering (Practical)	√			√	√	Students can learn apply the analytical techniques to understand the various biochemicals present in different sources and predict the qualitative and quantitative expression
Msc BT	M20BT2090	Sports/Yoga/Music/Dance/ Theatre	√		√			The course enriches the student with good body and mind to handle the multi tasking ability by providing environment and moral values
Msc BT	M20BT3010	Plant and Agricultural Biotechnology	√			√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extension and also to explore the plant genetic resource for production of phytochemicals, crop improvement

Msc BT	M20BT3020	Genetic Engineering	√		√	√	√	The students will be able to learn and implement the genetic modification tools to modify the organisms for the benefit of human society with out harming the environment flowwing the human values and ethics
Msc BT	M20BT3030	Enviromental Biotechnology	√			√	√	The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it effects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
Msc BT	M20BT3041	Clinical Data Science	√		√	√	√	The course enriches the student with knowledge about the usage of various molecules against the diseases in huamns cattle with due respect for professional ethics, huamn values and with out harming the environment
Msc BT	M20BT3042	Biostatistics and Research Methodology	√				√	Student will be enriched with handling the data on human population, experimetal data, survey with out affecting the human values and professional ethics
Msc BT	M20BT3051	Genomics and Proteomics	√					Student will be enriched with handling the data on human population, experimetal data, survey with out affecting the human values and professional ethics uisng computational tools
Msc BT	M20BT3052	Nano Biotechnology	√			√	√	Students will be able to understand and synthesize the nanoparticles that helps to produce bio products
Msc BT	M20BT3080	Plant and Agricultural Biotechnology& Genetic Engineering	√			√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extension and also to explore the plant genetic resource for production of phytochemicals, crop improvement with out harming the environemnt and also to protect the human values with out adultrating the profesisonal ethics
Msc BT	M20BT3090	Enviromental Biotechnology (Practical)	√			√	√	The students will use the biotechnological tools for the estimation of various components which harms the environment causing various hazards for the ecosystem.
Msc BT	M20BT3600	Organic Farming	√			√	√	Student can learn and apply the basic organic farming techniques to develop agricultural products with out affecting the environment and also upholding the professional ethics.
Msc BT	M20BT1051	Food Sceince& Technology	√			√	√	Students will be able to understand the process of developing food products, processing and preservation using various techniques

B.Sc PCM	B20PC1080	Chemistry Lab-I				√		It helps the students in understanding the importance of energy resources and the national status of availability of these resources, environmental issues by non-renewable sources and interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life
B.Sc PCM	B20PC2090	Chemistry Practicals-II				√		It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
B.Sc PCM	B20PC3X10	Chemistry Practicals-III				√		It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
B.Sc PCM	B20PC4080	Chemistry Practicals-IV				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B20PC5X20	CHEMISTRY PRACTICAL -V				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B20PC5X30	CHEMISTRY PRACTICAL -VI				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B20PC6X30	Project				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B20PC6080	Skill Development Program				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc(MStCs)	B20SM1060	Constitution of India and Professional Ethics	√					It helps the students to explain the Indian constitutional provisions, fundamental rights and human rights and follow them and Explain the duties and more importantly practice them in a right way. Adopt the habit of raising their voice against a unconstitutionality of any laws and upon any legal discrimination as we have session of debates on Constitutional validity.
B.Sc(MStCs)	B20SM2070	Sports/Yoga/music/dance/theatre	√		√			It gives students the opportunity to build motor skills, coordination, movement, and learn important life lessons such as discipline, persistence, patience, teamwork and cooperation, and stress-management skills. They are expected to inculcate these learnings to effect positive change in their personal and professional life in future.

B.Sc(MStCs)	B20SM2060	Environmental Science				√	√	The objective of this course is to enlighten the students about the importance of the protection and conservation of our environment and control of human activities which has an adverse effect on the environment which helps to manage the balance of environmental, economic and societal needs for sustainable development.
B.Sc(MStCs)	B20SM5071	Statistical Quality Control				√	√	In this course students study statistical quality control techniques find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development
B.Sc(MStCs)	B20SM5090	Soft Skill Training	√		√			Explains human values and professional ethics through soft skill training
B.Sc(MStCs)	B20SM6051	Applied Statistics		√				This course imparts knowledge on various gender related issues like Demographic measures fertility,mortality.
B.Sc(MStCs)	B20SM6020	Operations Research				√	√	In this course students study OR tools and techniques find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development
B.Sc(MStCs)	B20SM6052	Econometrics				√	√	In this course students study econometric methods and models and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
B.Sc(MStCs)	B20SM6053	Actuarial Statistics				√	√	This course equip students to apply mathematical and statistical knowledge in the field of insurance and finance which helps to manage the balance of environmental, economic and societal needs for sustainable development..
B.Sc(MStCs)	B20SM6061	Computer Networks				√	√	In this course Students will gain knowledge about networks, networks internal components and its functionality which helps to manage the balance of environmental, economic and societal needs for sustainable development.
B.Sc(MStCs)	B20SM6070	MOOC/SWAYAM/Internship				√	√	In this course to students are encouraged to take up online learnings through MOOC/SWAYAM and do projects/internships in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
B.Sc(MStCs)	B20SM6X30	Computer Science Project Work				√	√	In this course to students are encouraged to do projects in computer science and its related disciplines using mathematics, statistics and computer science tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development

M.Sc Mathematics	M20MT1030	Statistical Methods				√	√	Statistical methods are useful in helping to ascertain the proper steps people need to take in order to address issues regarding rising global temperatures, climate change, ocean acidification, coastline erosion, and the like. In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M20MT1050	Ordinary and Partial Differential Equations				√	√	In this course students study mathematical methods and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M20MT1061	R – Programming with Statistical Methods (Practical)				√	√	In this course students study statistical tools and techniques and their applications with R-programming which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M20MT2010	Linear Algebra				√	√	In this course students study linear algebra which helps to develop computational and mathematical models and methods which in turn helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M20MT2030	Data Science				√	√	In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M20MT2070	Sports/Yoga/music/dance/theatre	√		√			It gives students the opportunity to build motor skills, coordination, movement, and learn important life lessons such as discipline, persistence, patience, teamwork and cooperation, and stress-management skills. They are expected to inculcate these learnings to effect positive change in their personal and professional life in future.
M.Sc Mathematics	M20MT2061	Machine Learning using Python				√	√	In this course students study machine learning techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M20MT3041	Mathematical Methods				√	√	In this course students study mathematical methods and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M20MT3050	MOOC / Swayam / Internship				√	√	In this course students are encouraged to take up online learnings through MOOC/SWAYAM and do projects/internships in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M20MT3060	Soft Skill Training	√		√			Explains human values and professional ethics through soft skill training

M.Sc Mathematics	M20MT3030	Operations Research				√	√	In this course students study OR tools and techniques find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development.
M.Sc Mathematics	M20MT3080	Dissertation Phase - I				√	√	In this course to students are encouraged to do projects/Dissertation in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development.
M.Sc Mathematics	M20MT4060	Dissertation Phase - II				√	√	In this course to students are encouraged to do projects/Dissertation in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development.
BSc BMCs	B20MC2030	Biochemistry & Microbiology				√		The biochemical and microbiological experiments which are conducted at the lab with regard to the microorganisms or the reagents should not be released directly into the environment as they affect the balance of the ecological systems
BSc BMCs	B20MC2060	Environmental Science				√		The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it affects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
BSc BMCs	B20MC2080	Biochemistry & Microbiology Lab				√		The biochemical and microbiological experiments which are conducted at the lab with regard to the microorganisms or the reagents should not be released directly into the environment as they affect the balance of the ecological systems
BSc BMCs	B20MC1030	Molecular Biology and Genetic engineering				√		This course enriches the knowledge and understanding of the genomes and diseases associated with the humans and their treatment by using advanced techniques for the welfare of humans
BSc BMCs	B20MC1070	Molecular Biology and Genetics Lab				√		This course gives an hands on experience and Ethics on using the subjects required for the experimentation and interpret the data obtained and also in understanding the human values
BSc BMCs	B20MC6020	Operations Research - I	√					This course will help the students to understand the business ethics and protection of human values
BSc BMCs	B20MC1060	Constitution of India				√		Students will learn and understand human rights and fundamental aspects of life and career
BSc BMCs	B20MC3030	Bioinformatics & Biostatistics	√					Students can understand the concepts of biological data stored in the databases and to analyze the expression of genes in all the organisms
BSc BMCs	B20MC3090	Bioinformatics & Biostatistics Lab	√					students will get expertised in the field of bioinformatics to predict genes, proteins and expression characters

BSc BMCs	B20MC4030	Bioperl & Biopython	✓					Students can learn the basic programming skills on biological data accession analysis and interpretation
BSc BMCs	B20MC4070	Bioperl & Bio python Lab	✓					Student can able to develop bioalgorithms to predict biological data
BSc BMCs	B20MC5010	(Genomics & Proteomics)	✓					Students can understand and analyze sequencing data and to interpret the diseases and functional activities of cells
BSc BMCs	B20MC5041	Data mining & Artificial Intelligence	✓					Students can able develop data storage and analysis skills to predict large data sets using advanced artificial intelligence techniques
BSc BMCs	B20MC5042	Data mining & warehousing	✓					Students can able develop data storage and analysis skills to predict large data sets
BSc BMCs	B20MC5080	Genomics and Proteomics Lab			✓			Students design and analyze the genomic data accessed from publically available databases and interpret the functional activities
BSc BMCs	B20MC5090	Programming using R	✓					Students can use computational methods to predict the statistical data using programming language such as R
BSc BMCs	B20MC6010	Chemoinformatics & Drug designing	✓					Students can able to understand the disease targets and to predict the targeted drugs for the treatment of diseases using computational methods
BSc BMCs	B20MC6041	Medical Informatics			✓			Understand the clinical data and medical case studies can be stored and analyzed using information technology to advance the health care industry
BSc BMCs	B20MC6042	Structural Chemistry	✓					Students can able to develop the structure of chemicals using computational method and understand the toxicity using virtual based method.
BSc BMCs	B20MC6070	MOOC/SWAYAM/Internship	✓					Students can enhance the technical skills to improve the competency for current job opportunities.
BSc BMCs	B20MC6090	Chemoinformatics & Drug designing lab			✓			Students can able to design and develop drug to the disease targets and to predict the physicochemical properties for the treatment of disease
Bsc BBG	B20BG1030	Cell Biology	✓				✓	The course will help to understand the cell components of cell and the mechanisms in volved in the signalling aslo tell about the professional ethics and sustainability the technology to asses the cell activity
Bsc BBG	B20BG1040	Classical Genetics	✓	✓	✓	✓	✓	This course helps in understanding the gene interaction , crossing , and ethics to use various organisms required for the experiments
Bsc BBG	B20BG1050	General Biochemistry - I	✓				✓	student will understand the importance of various techiques to asses the proteins and carbohaydates relevance to professional ethics in reporting the data and sustaibility in the reports

Bsc BBG	B20BG1060	Constitution of India	√		√			Students will learn and understand human rights and fundamental aspects of life and career
Bsc BBG	B20BG1070	Cell Biology Lab	√				√	This course helps in handling of the organisms for using them in gene interaction, crossing, and ethics to use various organisms required for the experiments
Bsc BBG	B20BG1080	Classical Genetics Lab	√	√	√	√	√	This course helps in understanding the gene interaction, crossing, and ethics to use various organisms required for the experiments
Bsc BBG	B20BG1090	General Biochemistry – I Lab	√				√	student will understand the importance of various techniques to assess the proteins and carbohydrates relevance to professional ethics in reporting the data and sustainability in the reports
Bsc BBG	B20BG2030	General Microbiology	√			√	√	The Students will understand about the use of Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the adverse effects of the Microorganisms will be understood and do's and don'ts while handling the microorganisms
Bsc BBG	B20BG2040	Cytogenetics	√	√		√	√	This enriches the student understanding about the various mechanisms that are involved in various organisms in studying their disorders and techniques to correct those disorders
Bsc BBG	B20BG2050	Biochemical Techniques	√			√	√	student will understand the importance of various techniques to assess the proteins and carbohydrates relevance to professional ethics in reporting the data and sustainability in the reports
Bsc BBG	B20BG2060	Environmental Science	√		√	√	√	The students will be enriched about the environment and also they will be made to understand the importance about the environment. They will be taught about the importance of ecosystem and how it affects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
Bsc BBG	B20BG2080	General Microbiology Lab	√			√	√	The students will be taught handling of the Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the adverse effects of the Microorganisms will be understood and do's and don'ts while handling the microorganisms
Bsc BBG	B20BG2090	Cytogenetics Lab	√	√		√	√	This enriches the student understanding about the various mechanisms that are involved in various organisms in studying their disorders and techniques to correct those disorders
Bsc BBG	B20BG2X10	Laboratory Course - II	√			√	√	student will understand the importance of various techniques to assess the proteins and carbohydrates relevance to professional ethics in reporting the data and sustainability in the reports

Bsc BBG	B20BG3030	Environmental Biotechnology	√		√	√	√	The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it effects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
Bsc BBG	B20BG3040	Molecular Genetics	√		√	√	√	Students can able to understand the genetic disorders and techniques used to identify the genetic diseases
Bsc BBG	B20BG3050	Biomolecules	√				√	student will understand the importance of various techiques to asses the proteins and carbohaydates relavance to professional ethics in reporting the data and sustaibility in the reports
Bsc BBG	B20BG3061	Health & Hygiene	√		√	√	√	Students can able to understand and develop the health consciousness based on food habits by keeping the hygienic environment
Bsc BBG	B20BG3062	Biochemistry in Daily Life	√	√		√	√	student will understand the importance of various techiques to asses the proteins and carbohaydates relavance to professional ethics in reporting the data and sustaibility in the reports
Bsc BBG	B20BG3070	Environmental Biotechnology Lab	√		√	√	√	The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it effects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
Bsc BBG	B20BG3080	Molecular Genetics Lab	√		√	√	√	Students can able to understand the genetic disorders and techniques used to identify the genetic diseases
Bsc BBG	B20BG3090	Laboratory Course – III (Biochemistry)	√				√	student will understand the importance of various techiques to asses the proteins and carbohaydates relavance to professional ethics in reporting the data and sustaibility in the reports
Bsc BBG	B20BG4030	Molecular Biology & Genetic Engineering	√		√	√	√	Understanding the basic concepts of cells in a living organism and use advanced genetic engineering techniques to predict genes and expressions
Bsc BBG	B20BG4040	Evolutionary & Biometrical Genetics	√		√	√	√	Understand and predict the evolutionary relations of an organisms related to human and benefit to the society by taking model organisms
Bsc BBG	B20BG4050	Human Physiology	√				√	The student will understand the mechanisms in male and female and sustability in the generation due changes in climate.
Bsc BBG	B20BG4070	Molecular Biology & Genetic Engineering Lab	√			√	√	Understanding the basic concepts and handling of cells in a living organism and use advanced genetic engineering techniques to predict genes and expressions

Bsc BBG	B20BG4080	Evolutionary & Biometrical Genetics Lab	√		√	√	√	Understand and predict the evolutionary relations of an organisms related to human and benefit to the society
Bsc BBG	B20BG4090	Laboratory Course - IV (Biochemistry)	√			√	√	student will understand the importance of various techiques to asses the proteins and carbohaydates relavance to professional ethics in reporting the data and sustaibility in the reports
Bsc BBG	B20BG5010	Immunology	√			√	√	The students will understand the importance of immunity and identification various diseases by serological tests.
Bsc BBG	B20BG5020	Human Genetics	√	√	√	√	√	Students can understand the genomic structure and functions related to genetic diseases
Bsc BBG	B20BG5030	Metabolism – I	√				√	Student will learn about the mechanisms in humans and ethics to be followed in the reporting and analysing the data and also human values and sustaibility of the organisms will analysed
Bsc BBG	B20BG5041	Bioethics & IPR	√		√		√	Students can understand the concepts of ethics in niche of living organisms in an ecosystem based on their property rights
Bsc BBG	B20BG5042	Industrial Biotechnology	√			√	√	The course provides insight into the development of various products with in short span of time in high quantity and quality for the benefit of man kind
Bsc BBG	B20BG5051	Medical Genetics	√		√	√	√	Student will understand and identify the diseases based on genes, genomes and proteins
Bsc BBG	B20BG5052	Forensic Biology	√	√	√	√	√	Students can learn and understand the techniques to identify the forensic materials based on crime, paternity and species specific organisms
Bsc BBG	B20BG5061	Nutritional Biochemistry	√	√		√	√	Student will learn about the mechanisms in humans and ethics to be followed in the reporting and analysing the data and also human values and sustaibility of the organisms will analysed
Bsc BBG	B20BG5062	Harmonial Biochemistry	√			√	√	Student will learn about the mechanisms in humans and ethics to be followed in the reporting and analysing the data and also human values and sustaibility of the organisms will analysed
Bsc BBG	B20BG5090	Immunology Lab	√			√	√	The students will understand the importance of immunity and identification various diseases by serological tests
Bsc BBG	B20BG5X10	Human Genetics Lab	√	√	√	√	√	Students can understand the genomic structure and functions related to genetic diseases
Bsc BBG	B20BG5X20	Laboratory Course – V (Biochemistry)	√			√	√	student will understand the importance of various techiques to asses the proteins and carbohaydates relavance to professional ethics in reporting the data and sustaibility in the reports
Bsc BBG	B20BG6010	Plant Biotechnology	√			√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extension and also to explore the plant genetic resource for production of phytochemicals, crop improvement

Bsc BBG	B20BG6020	Developmental Genetics	√			√	√	Students can learn and understand the process of developmental phases of the cell cultures.
Bsc BBG	B20BG6030	Metabolism - II	√				√	Student will learn about the mechanisms in humans and ethics to be followed in the reporting and analysing the data and also human values and sustainability of the organisms will analysed
Bsc BBG	B20BG6041	Animal Biotechnology	√	√	√	√	√	The course helps the student to understand and handle the cell lines which is obtained from various tissues for the development of vaccines and to test the efficacy of drugs on cell lines and then to higher organisms
Bsc BBG	B20BG6042	Bioinformatics & Biostatistics	√				√	Students can understand the concepts of biological data stored in the databases and to analyse the expression of genes in all the organisms
Bsc BBG	B20BG6051	Genotoxicity	√	√		√	√	This study helps the student to treat various diseases and ailments of humans with alkaloids and phytochemicals which are obtained from various sources and testing them on various cell lines and so on. And their release into environment.
Bsc BBG	B20BG6052	Applicative Genetics	√	√	√	√	√	Students can able to understand the genetic disorders and techniques used to identify the genetic diseases
Bsc BBG	B20BG6061	Biochemistry of Plant Sciences	√			√	√	Students will understand the various pathways that operate in the humans and other organisms where professional ethics, environment and sustainability plays an important role assessing the organisms
Bsc BBG	B20BG6062	Biochemistry of Animal Sciences	√			√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extinction and also to explore the plant genetic resource for production of phytochemicals, crop improvement
Bsc BBG	B20BG6080	Plant Biotechnology Lab	√			√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extinction and also to explore the plant genetic resource for production of phytochemicals, crop improvement
Bsc BBG	B20BG6090	Developmental Genetics Lab	√		√	√	√	Students can learn and understand the process of developmental phases of the cell cultures.
Bsc BBG	B20BG6X10	Laboratory Course – VI	√				√	student will understand the importance of various techniques to assess the proteins and carbohydrates relevance to professional ethics in reporting the data and sustainability in the reports
LL.M Business and Corporate Law	M18LM2010	Law and Justice in a Globalizing World	√		√		√	Gender sensitization, Ethics, sustainability AND Human values: To understand the process of globalization and its impact on law and justice in a historical perspective and the concept of global justice and the mechanisms designed to achieve it.

LL.M Criminal Law	M21LM1130	International Criminal Justice System			✓	✓		Gender sensitization, AND Human values: To understand the process of International Criminal Justice System and its impact on law and justice in a historical perspective and the concept of global justice and the mechanisms designed to achieve it.
LL.M Criminal Law	M21LM1140	Socio-economic offences and White-collar crimes			✓	✓		Gender sensitization, AND Human values: to Make students understand crime is motivated by bias against race, color, religion, national origin, sexual orientation, gender, gender identity or disability, that is completely against the society and condemnable.
LL.M Criminal Law	M21LM1150	Criminology, penology and Victimology			✓	✓		Gender sensitization, AND Human values: to impart knowledge on Penology which deals with care, custody, treatment, prevention, and control of crimes as also the various modes of sentencing and rehabilitation of criminals. The primary concern of victimology is to seek justice for victims of crime who are faced with multiple problems
LL.M Criminal Law	M21LM2110	Law and justice in globalizing World	✓		✓		✓	Gender sensitization, Ethics, sustainability AND Human values: To understand the process of globalization and its impact on law and justice in a historical perspective and the concept of global justice and the mechanisms designed to achieve it.
LL.M Criminal Law	M21LM2120	Comparative Criminal Procedural Law			✓	✓		Gender sensitization, AND Human values: to give brief on Comparative criminal Law is a Part of Criminal Justice System which aims to compare law of different countries worldwide. This studies helps us in determines the similarities and differences in structure, goals and punishment
LL.M Criminal Law	M21LM2130	Human Right Law			✓	✓		Gender sensitization, AND Human values: Coherence on international policy making on preventing violent extremism, radicalisation, intolerance, and incitement. Terrorism and violent extremism are among the most serious threats to global human rights and security
LL.M Criminal Law	M21LM2140	Contemporary Challenges to Criminal Law			✓	✓		Gender sensitization, AND Human values: Criminal justice systems around the world face many challenges. Integrated and coordinated approaches are essential to address them effectively, and the United Nations plays a vital role. Violence against women is alarmingly widespread throughout the world, occurring regardless of development context. It manifests itself in physical, sexual and psychological forms through multiple types of crime, such as intimate partner violence, sexual violence and harassment, trafficking in people for sexual exploitation, female genital mutilation and child marriage

B.Tech ME	B20CI0101	Introduction to Python Programming					✓	The course familiarises the students concepts of Python Programming which exposes the students to do real time projects that booms in It world.
B.Tech ME	B20ME0102	Design Thinking					✓	The course familiarises the students to analyze the realtime cases and find dynamical and ethical solutions
B.Tech ME	B20CS0101	Introduction to Data Science					✓	The course introduces the students to analyze the market baske of e-commerce o improve social market
B.Tech ME	B20EC0101	IoT and Applications					✓	The course familiarises the students concepts which exposes the students to do real time projects that booms in It world.
B.Tech ME	B20LS0301	Indian constitution and Professional Ethics	✓					The course deals with the Indian Constitution which guarantees the basic human rights, remedies and special provisions relating to certain classes which is most important to pronounce human rights and value.
B.Tech ME	B20AS0303	Environmental Science					✓	Environmental Science includes the introduction to environment, Objectives & guiding principles of Environmental education, environmental ethics
B.Tech ME	B20AHM401	Universal Human Values				✓		To help the student to see the need for developing a holistic perspective of life To sensitize the student about the scope of life – individual, family, society and nature/existence. Strengthening self-reflection. To develop more confidence and commitment to understand, learn and act accordingly.
B.Tech ME	B20ERS513	Energy Technology					✓	The program prepares students to be successful leaders in advancing the technology and management of energy, innovators, and entrepreneurs in the energy sector, and educators, practicing engineers, and national leaders in the energy and associated environmental health and safety, policy, and economic fields.
B.Tech ME	B20PA0501	Indian Tradition and Culture				✓		understand the historical development of Indian Culture. The evolution of Indian Culture through the Ages will be traced. This course aims to highlight significant cultural developments during the ancient, medieval and modern periods of Indian history.
B.Tech ME	B20ERS623	Refrigeration and Air Conditioning					✓	The course consists of different refrigeration cycles and understanding of psychrometry and psychrometric processes used for the purpose of air-conditioning. Further, the comfort air-conditioning and indoor environment health are also addressed in this course.
B.Tech ME	B20ERS723	Solar Energy Systems					✓	The course explores economic considerations, touching on solar PV costs for residential and commercial use, incentives, and contrasts solar power with fossil fuel and nuclear plants. This course is ideal for anyone interested

MSc Chemistry	M21SMS303	Energy and Energy Conversion Systems - III.5				√		It helps the students in understanding the importance of energy resources and the national status of availability of these resources, environmental issues by non-renewable sources and interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life
MSc Chemistry	M21SMS304	Environmental Chemistry and Applied Analysis - III.4				√		It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
MSc Chemistry	M21SMS201	Chemistry of Life - II.1				√		It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
MSc Chemistry	M21SM0106	Organic Chemistry-I (Practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M21SM0107	Physical Chemistry-I(Practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M21SM0206	Inorganic Chemistry-II (practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M21SM0207	Analytical Chemistry-II (practical)				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M21SMZ305	Inorganic Chemistry-III.1				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M21SMZ311	Organic Chemistry-III.1				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M21SMZ323	Analytical Chemistry –III.1				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M21SMZ306	Advanced Inorganic chemistry Practicals-III.2				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M21SMZ312	Advanced Organic Chemistry Practicals-III.2				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect

MSc Chemistry	M21SMZ324	Analytical Chemistry –III.2				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M21SMS408	Advanced organic chemistry Practicals-IV.1				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M21SMS409	Advanced Inorganic chemistry Practicals-IV.2				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M21SMS411	Analytical Chemistry Practicals-IV.3				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
MSc Chemistry	M21SMS302	Green Chemistry-III .5				√		This subject deals with using environment-friendly chemicals/solvents for the synthesis of compounds and their mechanism.
MSc Chemistry	M21SM0401	Major Project				√		It helps the students to progress in practical- oriented things and make the students face any kind of challenge
MSc Chemistry	M21SM403	MOOC/SWAYAM /Internship*				√		This helps students to unlock their ability to learn on their own and scale up their self-learning abilities.
MSc Chemistry	M21SMS303	Energy and Energy Conversion Systems - III.5					√	It helps the students in understanding the importance of energy resources and national status of availability of these resources and the interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life
MSc Chemistry	M21SMS304	Environmental Chemistry and Applied Analysis - III.4					√	It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life
MSc Chemistry	M21SMS201	Chemistry of Life -II.1					√	It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
MSc Chemistry	M21SMS201	Chemistry of Life -II.1	√					It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life and educates us to follow personal and professional ethics to participate in keeping a clean environment. How important to understand and implement to have a good environment with the sustainability of energy.

MSc Chemistry	M21SM0401	Major Project	√					Professional ethics are essential in any major project, as they help ensure that the project is completed with integrity, honesty, and respect for all stakeholders involved. Students should follow transparency, accountability, adherence to legal and professional ethics while conducting the scientific research projects.	
B.Tech R&A	B21ME0103	Elements of Mechanical and Civil Engineering					√	The most basic ingredient that identifies a student as an engineer is the knowledge in Elements of Civil engineering (ECE), it is a branch of science which gives the behavior of a body when the body is at rest or in motion. This subject is been introduced in the curriculum of 1st year of engineering level, since it is considered to be fundamental subject for all branches. This subject is very much essential in developing a student's ability in skill development, entrepreneurship and employability.	
B.Tech R&A	B21ME0102	Design Thinking					√	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.	
B.Tech R&A	B21CS0101	Introduction to Data Science					√	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.	
B.Tech R&A	B21EC0101	IoT and Applications					√	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.	
B.Tech R&A	B21EO0302	Sensors and Actuators for Robotics					√	√	The Course helps to understand the principles of various sensors and transducers for measurement and instrumentation suitable for Robotics and automation applications
B.Tech R&A	B21EO0303	Strength of Materials					√	√	This course defines the Selection of appropriate advanced materials for the specific applications. Helps to Analyze bodies subjected to two-dimensional stress systems.

B.Tech R&A	B21AS0303	Environmental Science				✓	This course helps to the engineering Students to do projects on environmental issues. students will be aware about environmental issues such as E-waste management. Students can use GIS to solve geospatial problems .Theycan able tounderstand the complex relationship between natural and human ecosystem. Design and execute scientific projects which are eco friendly. Students can able to design pollution controlled products.
B.Tech R&A	B21EO0402	Microcontrollers for Robotics				✓	The course provides the fundamental knowledge on microcontrollers lead to explore large number of controller families like Raspberry Pi, ATMEGA, TI and PIC that are used in industrial and automation applications.
B.Tech R&A	B21AH0301	Communication skills			✓		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.
B.Tech R&A	B21LS0301	Indian Constitution and Professional Ethics	✓				The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human values.
B.Tech R&A	B21EO0506	Research Based Project	✓				Research-based project course targets to promote and develop student competencies related to research practice and to benefit students through activities linked to research. This course denotes the application of learning and teaching strategies that link research with teaching. One of the main advantages would be to awaken student's interest in knowledge and the main problems that society faces in order that students may broaden their perspectives and focus their study areas.
B.Tech R&A	B21EOS513	Power Electronics(PE1)				✓	"This course provides the basics of power devices, semiconductor devices control characteristics and its application is discussed. It also covers analysis of power converters for R, RL, RLE load conditions. The different types of modulation technique for control and conversion of power is also discussed"
B.Tech R&A	B21EOS524	Computer Organization and Operating Systems(PE2)				✓	Helps the students in understanding the design of fundamental blocks used for building a computer system and interfacing techniques of these blocks to achieve different configurations of an "entire computer system".

B.Tech R&A	B21EO0602	Computer Vision and Image Processing					✓	Computer vision (CV) and image processing are two closely related fields that utilize techniques from artificial intelligence (AI) and pattern recognition to derive meaningful information from images, videos, and other visual inputs
B.Tech R&A	B21EO0606	Computer Vision and Image Processing Lab					✓	Computer vision (CV) and image processing are two closely related fields that utilize techniques from artificial intelligence (AI) and pattern recognition to derive meaningful information from images, videos, and other visual inputs
B.Tech R&A	B21PA0501	Indian Tradition and Culture			✓			The course Provide conceptual knowledge of Indian culture and traditions, Introduce students to the science and technological advancements related to Indian culture. Help students understand the Indian spiritual aspects of Indian culture.
B.Tech R&A	B21EOS631	Automotive Electronics(PE3)					✓	The course provides the fundamentals of automotive electrical and electronics systems. Helps to Analyze the design considerations of various engine control systems in automotive electrical and electronics
B.Tech R&A	B21EOS633	Advanced Control Systems(PE3)					✓	The course can contribute to sustainability by optimizing the stability of systems, improving their efficiency.
B.Tech R&A	B20ECO602	Sensors and Instrumentation(OE2)				✓	✓	The Course helps to understand the principles of various sensors and transducers for measurement and instrumentation suitable for Robotics and automation applications
B.Tech R&A	B21EOS741	Computational Cybernetics and Information Theory(PE4)	✓					This course focuses on the theory of information in the context of control systems.The cybernetic framework is used to
B.Tech R&A	B21EOS743	Electric Vehicles(PE4)					✓	In this course, describes on to electric vehicle. Provides fundamentals on operation of battery driven electric vehicle, vehicle dynamics, Motors, Power Electronics, Batteries,Charging etc.
B.Tech R&A	B21EOS753	Battery Management Systems(PE5)					✓	Understand how a battery-management system “measures” current, temperature, and isolation, and how it controls contactors. Identify electronic components that can provide protection and specify a minimum set of protections needed
B.Sc PCM	B21CH0102	Chemistry Lab-I					✓	It helps the students in understanding the importance of energy resources and the national status of availability of these resources, environmental issues by non-renewable sources and interconversion of energy from one form to another by means of different chemistry concepts to have a sustainable life
B.Sc PCM	B21CH0202	Chemistry Practicals-II					✓	It helps the students in understanding the importance of environmental issues, how to analyze pollution using different chemical techniques and aspects to have a sustainable/healthy life

B.Sc PCM	B21CH0302	Chemistry Practicals-III				√		It helps the students in understanding the chemistry involved in day-to-day life and its importance in living a healthy life, how important to understand and implement to have a good environment with the sustainability of energy
B.Sc PCM	B21CH0402	Chemistry Practicals-IV				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B21CH0502	Chemistry Practicals-V				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B21SG0601	Project				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B21CH0602	CHEMISTRY PRACTICAL -VI				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B21SGM501	Skill Development Program				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B21SGM401	Skill Development Program				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B21SGM301	Skill Development Program				√		This practical subject helps the students to understand the usage of chemicals efficiently without wasting unwantedly and environmental effect
B.Sc PCM	B21ASM201	Environmental Studies				√		This course gives an overview of the environment, sustainable development, pollution, and control. Mainly it delas with different issues of environment.
B.Sc PCM	B21SG0601	Project	√					While conducting any projects it is the most important to have professional ethics and it is intergral part.
B.Sc PCM	B21LSM101	Constitution of India and Professional Ethics		√				This course gives an overview of the Indian constitution: the way of INDIAN governance works.
B.Sc PCM	B21ASM201	Environmental Studies					√	This course gives an overview of the environment, sustainable development, pollution, and control. Mainly it delas with different issues of environment.
MSc-BT	M21SL0101	Cell Biology and Molecular Genetics	√	√	√		√	The studnets will learn about the professional ethics in using the model cell cultures for studying the various pathways in the cell.

MSc-BT	M21SL0102	Biostatistics and Research Methodology	√			√	√	Student will be enriched with handling the data on human population, experimental data, survey with out affecting the human values and professional ethics
MSc-BT	M21SL0103	Microbiology	√			√	√	The Students will understand about the use of Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the adverse effects of the Microorganisms will understood and do's and don'ts while handling the microorganisms
MSc-BT	M21SL0104	Biochemistry	√			√	√	The course helps to understand the various pathways involved in the mechanism for diseases and normal organisms to benefit the human society.
MSc-BT	M21SL0105	Bioinformatics	√					Course prepare the student to overcome various disorders of human with concern to professional ethics in using and handling the genomic data of human
MSc-BT	M21SL0106	Cell biology and molecular genetics Laboratory	√		√		√	Students can learn and understand the human values and professional ethics involved in usage of the organisms in using the various organisms models and various pathways that are happening in the cells
MSc-BT	M21SL0107	Microbiology and Biochemistry Laboratory	√			√	√	The Students will understand about the use of Microorganism for increasing the crop yields, extraction of antibiotics and at the same time the adverse effects of the Microorganisms will understood and do's and don'ts while handling the microorganisms
MSc-BT	M21SL0201	Molecular Biology	√		√		√	The student will learn the molecular tools to improve and dissect various disorders and disease with out affecting the professional ethics, human values in reporting the data and keeping the environment safe.
MSc-BT	M21SL0202	Immunology and Medical Biotechnology	√		√	√	√	Students can learn and understand the process of developmental phases of the cell cultures.
MSc-BT	M21SL0203	Bioprocess Engineering	√			√	√	Students can apply the fermentation process and techniques to produce various food and value added products
MSc-BT	M21SL0204	Biochemical techniques and Enzymology	√			√	√	Students can learn apply the analytical techniques to understand the various biochemicals present in different sources and predict the qualitative and quantitative expression
MSc-BT	M21SLS211	Animal Biotechnology	√		√	√	√	The course helps the student to understand and handle the cell lines which is obtained from various tissues for the development of vaccines and to test the efficacy of drugs on cell lines and then to higher organisms
MSc-BT	M21SLS212	Toxicology	√		√	√	√	Students can understand the toxic substances present in food water and air that can affect to the human health and also to learn the genotoxic substances that can affect the environment

MSc-BT	M21SL0205	Molecular Biology, Immunology and Medical Biotechnology (Practical)	√		√	√	√	The course helps the students to apply the professional ethics, human values and sustainability in using the model organisms for various experiments without harming the environment
MSc-BT	M21SL0206	Biochemical techniques and Bioprocess engineering (Practical)	√			√	√	Students can learn apply the analytical techniques to understand the various biochemicals present in different sources and predict the qualitative and quantitative expression
MSc-BT	M21SL0301	Plant and Agricultural Biotechnology	√		√	√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extinction and also to explore the plant genetic resource for production of phytochemicals, crop improvement
MSc-BT	M21SL0302	Genetic Engineering	√		√	√	√	The students will be able to learn and implement the genetic modification tools to modify the organisms for the benefit of human society with out harming the environment following the human values and ethics
MSc-BT	M21SL0303	Environmental Biotechnology	√			√	√	The students will be enriched about the environment and also they will be made understand the importance about the environment. They will be taught about the importance of ecosystem and how it effects the food chain along with this they will also be taught about the waste water treatment, STP, and biotechnological method of preservation of the environment
MSc-BT	M21SLS311	Clinical Data Science	√		√	√	√	The course enriches the student with knowledge about the usage of various molecules against the diseases in humans cattle with due respect for professional ethics, human values and with out harming the environment
MSc-BT	M21SLS312	Nanobiotechnology	√		√	√		Students will be able to understand and synthesize the nanoparticles that helps to produce bio products
MSc-BT	M21SLS321	Food science & Technology	√			√	√	Students will be able to understand the process of developing food products, processing and preservation using various techniques
MSc-BT	M21 SLS322	Entrepreneurship and Business plan presentation	√		√	√	√	course prepare the student to become an enterpreneur with various ideas that can benefit the human values by upholding the ethics
MSc-BT	M21SLO301	Organic farming	√			√	√	Student can learn and apply the basic organic farming techniques to develop agricultural products with out affecting the environment and also upholding the professional ethics.

MSc-BT	M21SL0305	Plant, Agricultural Biotechnology and Genetic Engineering Laboratory	√		√	√	√	The study of plant biotechnology helps the students to use novel technologies to mass multiply and produce the endangered species to prevent from the extension and also to explore the plant genetic resource for production of phytochemicals, crop improvement with out harming the environment and also to protect the human values with out adulterating the professional ethics
MSc-BT	M21SL0306	Environmental Biotechnology Laboratory	√				√	The students will use the biotechnological tools for the estimation of various components which harms the environment causing various hazards for the ecosystem.
MSc-BT	M21SL0401	Major Project and Dissertation	√					The students will explore the professional ethics, human values, gender bias and sustainability involved in the research and also they will gain the knowledge about all four in the research
B.Sc(MStCs)	B21LSM101	Constitution of India and Professional Ethics	√					It helps the students to explain the Indian constitutional provisions, fundamental rights and human rights and follow them and Explain the duties and more importantly practice them in a right way. Adopt the habit of raising their voice against a unconstitutionality of any laws and upon any legal discrimination as we have session of debates on Constitutional validity.
B.Sc(MStCs)	B21STS212	Statistical Quality Control				√	√	In this course students study statistical quality control techniques find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development
B.Sc(MStCs)	B21ASM201	Environmental Science				√	√	The objective of this course is to enlighten the students about the importance of the protection and conservation of our environment and control of human activities which has an adverse effect on the environment which helps to manage the balance of environmental, economic and societal needs for sustainable development.
B.Sc(MStCs)	B21ASO303	Physics in Everyday Life	√					It introduces physics through a set of modules that closely connected to our everyday life. Through this course, students can appreciate their surroundings by understanding the basic rules of Nature and able to connect some daily life observations to Physics principles.
B.Sc(MStCs)	B21ASO304	Water Technology				√	√	The objective of this course is to prepare students for entry-level employment or advancement in the public water sector, including the distribution and treatment of water.
B.Sc(MStCs)	B21MTS412	Operations Research				√	√	In this course students study OR tools and techniques find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development
B.Sc(MStCs)	B21PTM401	Soft Skill Training	√		√			Explains human values and professional ethics through soft skill training

B.Sc(MStCs)	B21PHS512	Basic econometrics				√	√	In this course students study econometric methods and models and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
B.Sc(MStCs)	B21SC0N01	MOOC/SWAYAM				√	√	In this course to students are encouraged to take up online learnings through MOOC/SWAYAM and do projects/internships in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
B.Sc(MStCs)	B21SG0601	Project				√	√	In this course to students are encouraged to do projects in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M21SN0103	Statistical Methods				√	√	Statistical methods are useful in helping to ascertain the proper steps people need to take in order to address issues regarding rising global temperatures, climate change, ocean acidification, coastline erosion, and the like. In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M21SN0105	Ordinary and Partial Differential Equations				√	√	In this course students study mathematical methods and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M21SNS101	R – Programming with Statistical Methods (Practical)				√	√	In this course students study statistical tools and techniques and their applications with R-programming which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M21SN0201	Linear Algebra				√	√	In this course students study linear algebra which helps to develop computational and mathematical models and methods which in turn helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M21SN0203	Data Science				√	√	In this course students study statistical tools and techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M21SNM201	Skill Development Programme				√	√	In this course students learn latest tools and techniques which find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development

M.Sc Mathematics	M21SN0221	Machine Learning using Python				√	√	In this course students study machine learning techniques and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M21SNS302	Mathematical Methods				√	√	In this course students study mathematical methods and their applications which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M21SN0N01	MOOC / Swayam / Internship				√	√	In this course to students are encouraged to take up online learnings through MOOC/SWAYAM and do projects/internships in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M21SNM301	Soft Skill Training	√		√			Explains human values and professional ethics through soft skill training
M.Sc Mathematics	M21SNS301	Operations Research				√	√	In this course students study OR tools and techniques find applications in all aspects of sustainability operations which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M21SN0303	Dissertation Phase - I				√	√	In this course to students are encouraged to do projects/internships in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
M.Sc Mathematics	M21SN0403	Dissertation Phase - II				√	√	In this course to students are encouraged to do projects/internships in mathematical sciences using mathematical and statistical tools and techniques which helps to manage the balance of environmental, economic and societal needs for sustainable development
BCA	B18CA1060	Environmental Studies				√		Analyze the environmental conditions and protect it. Observe the role of individual, government and NGO in environmental protection. Search for new renewable energy resources with high efficiency through active research. Analyze the ecological imbalances and protect it. List the causes of environmental pollution & find ways to overcome them. Design pollution controlled products.
BCA	B18CA1040	Digital Electronics					√	To impart knowledge on basic computer design and logic. To facilitate understanding of computer logic for architecture.
BCA	B18CA2060	Indian Constitution & Professional Ethics	√					To impart knowledge on Constitution of India. To facilitate the understanding of Fundamental Rights, Duties and other Rights which is been given by our law. To facilitate the understanding of Constitution perspective and make them face the world as a bonafide citizen. To attain knowledge about ethics and also know about professional ethics. Explore ethical standards followed by different companies.

BSc (H) Cloud Computing & Big Data	B19BS1050	Environmental Studies				√	Analyze the environmental conditions and protect it. Observe the role of individual, government, and NGO in environmental protection. Search for new renewable energy resources with high efficiency through active research. Analyze the ecological imbalances and protect it. List the causes of environmental pollution & find ways to overcome them. Design pollution-controlled products.
BSc (H) Cloud Computing & Big Data	B19BS2010	Probability and Statistics				√	The syllabus of Probability and Statistics provides the basic skills required to develop programming logic.
BSc (H) Cloud Computing & Big Data	B19BS5051	Cyber Security				√	To impart knowledge on securing information in the internet. To understand the cyber laws pertaining to Securing information in the cyber world.
Master of Computer Applications	M18CA2020	Advanced Communicative English - I	√				Communicative English Syllabus addresses the needs of Post graduate students to enable them to use the English language effectively as day to day technical/business communication tool. To understand and use spoken English to develop proficiency in theory and communicative skills. To communicate orally in English and its usage in formal, semi-formal and official situations. To read, write and comprehend texts. To understand and use effective writing skills to express ideas and present information. To expand the use of English grammar in a stimulating and professional manner. To familiarize about adapting their listening, reading and writing for various audiences and contexts they might encounter professionally. To understand the basics of Professional Ethics.
Master of Computer Applications	M18CA4052	Cyber Law and IT security				√	To impart knowledge on importance of information security and threats involved and how to safeguard data in the cyber world. To facilitate security for data and skills to safeguard data.
Master of Science in Computer Science	M19MS1050	Probability & Statistics				√	The syllabus of Probability and Statistics provides the basic skills required to develop programming logic.
MPA	M19PA1031	Practical 1-Kuchipudi				√	This course will help the performer to understand the Fundamental and create their own productions.
MPA	M19PA1032	Practical 1-Bharatanatyam				√	This course will help the performer to understand the Fundamental and create their own productions.
MPA	M19PA1033	Practical 1-Mohiniattam				√	This course will help the performer to understand the Fundamental and create their own productions.
MPA	M19PA1034	Practical 1-Odissi				√	This course will help the performer to understand the Fundamental and create their own productions.
MPA	M20PA1035	Practical 1-Kathak				√	This course will help the performer to understand the Fundamental and create their own productions.

MPA	M19PA2010	Art History and Choreography					✓	This course will help the performer to understand the Fundamental and create their own productions.
MPA	M19PA2020	Traditional theatres of India and Western ballet					✓	This course will help the performer to understand the Fundamental and create their own productions.
MPA	M20PA2050	Natya Sastra Practical					✓	Learning the Technique of Natyasastra will help the Students Apply this in any future creative work
MPA	M19PA3020	ResearchMethodology	✓					The course helps the student to understand the Ethics in the field of Art.
MPA	M19PA3030	Desi TraditionsMedieval texts on Dance					✓	This course will guide the students to understand the theoretical aspect of the Tradition through lens of History. This will help them to apply the theory to the Practical.
MPA	M19PA4010	Dance and music in temples					✓	This course will guide the students to understand the dance and music related to Temple. This will help them to apply the theory to the Practical.
MPA	M19PA4020	Dance writing and Biographies					✓	This course will help the students to pen down and verbalize the nonverbal art forms.
MPA	M20PA4021	Evolution of Kuchipudi		✓				This courses explains the Issues faced by the Female dancer and their contribution in the development of Arts forms
MPA	M20PA4022	Evolution of Bharatanatyam		✓				This courses explains the Issues faced by the Female dancer and their contribution in the development of Arts forms
MPA	M20PA4023	Evolution of Mohiniattam		✓				This courses explains the Issues faced by the Female dancer and their contribution in the development of Arts forms
MPA	M20PA4024	Evolution of Odissi		✓				This courses explains the Issues faced by the Female dancer and their contribution in the development of Arts forms
MPA	M20PA4025	Evolution of Kathak		✓				This courses explains the Issues faced by the Female dancer and their contribution in the development of Arts forms
BAPAEP	B19BA1030	Constitution of India and Professional Ethics	✓					The course familiarises the students concepts which exposes the students to do real time projects that booms in It world.
BAPAEP	B20BA1041	History of Indian Dance		✓				The Course Discusses the Issues related to the role and contributions and issues faced by male and female dancers
BAPAEP	B20BA1042	MusicTheory 1					✓	This course will help thev students to understand the old compositions and create the new through the understanding of the theory
BAPAEP	B20BA1043	Fundamentals Of Theatre Art					✓	This course will help the students to understand the fundamentals and create new productions through the understanding of the theory
BAPAEP	B19BA1051	Practical1(Fundamental sofBharatanatyam)					✓	This course will help the dancer to understand the Fundamental and create their own Choreographies

BAPAEP	B19BA1052	PracticalI(Fundamental sofKuchipudi)					✓	This course will help the dancer to understand the Fundamental and create their own Choreographies
BAPAEP	B20BA1053	Practical -1- Fundamentals of Dance Mohiniyattam					✓	This course will help the dancer to understand the Fundamental and create their own Choreographies
BAPAEP	B20BA1054	Practical-1- Fundamentals of Dance Odissi					✓	This course will help the dancer to understand the Fundamental and create their own Choreographies
BAPAEP	B20BA1055	Practical-1- Fundamentals of Dance Kathak					✓	This course will help the dancer to understand the Fundamental and create their own Choreographies
BAPAEP	B20BA1056	PracticalI(Fundamental sofDrama)					✓	This course will help the Musician to understand the Fundamental and create their own compositions
BAPAEP	B20BA1057	PracticalI(Fundamental sof CarnaticMusic)					✓	This course will help the Musician to understand the Fundamental and create their own compositions
BAPAEP	B19BA2071	Folklore Study – Folk Dance				✓		The course deals with the folk forms with respect to the geographical and linguistic aspects.
BAPAEP	B19BA2072	Folklore Study – Folk Music				✓		The course deals with the folk forms with respect to the geographical and linguistic aspects.
BAPAEP	B18BA3020	Environmental Studies				✓		This course helps the student to understand the environment.
BAPAEP	B20BA2031	Natya Sastra and Performing Arts					✓	The course on a Treatise that familiarises the rules and regulations of Dance
BAPAEP	B20BA3031	Rasa Theory and its implications in Performing Arts					✓	Understanding Rasa theory will help the students to build their own perspective regarding the emotions and hence will be able to create sensible productions.
BAPAEP	B20BA4021	Textual Traditions in Performing Arts					✓	This course will guide the students to understand the theoretical aspect of the Tradition through lens of History. This will help them to apply the theory to the Practical.
BAPAEP	B18BA4050	Developmental Psychology					✓	This Paper deals with the gender Discrimination issues, identity crisis and gender role
BAPAEP	B20BA6014	Theatre direction					✓	This course helps the students to create their own Production.
BAPAEP	B18BA5010	Traditions and Innovations in Performing Arts					✓	The course helps the students to understand the Arts field and exposes the students to the Management aspect of the field. This helps the students to sustain and create new trends in the field.
BAPAEP	B18BA5052	Myths and Mythologies			✓			This helps the students to gain the knowledge about vedas and Puranas so that they apply these concept in their future life
BAPAEP	B18BA6010	Aesthetics (Indian and Western)					✓	This course helps the students to convey the dance form in a beautifying and an aesthetical manner.

MFA Kuchupudi	MFKP17F3300	Arts Management					✓	The course helps the students to understand the Arts field and exposes the students to the Management aspect of the field. This helps the students to sustain and create new trends in the field.
MFA Kuchupudi	MFKP17F3200	Research Methodology	✓					The course helps the student to understand the Ethics in the field of Art.
MFA Kuchupudi	MFKP17F4200	Ashta Nayikas - Practical -1		✓				The course deals with the characteristics of 8 female nayikas. The emotions and the expression of each discusses in detail.
MFA Kuchupudi	MFKP17F1100	Dance History					✓	The course familiarises the students to analyze and understand the Industry and helps to create new trends in the arena.
MFA Kuchupudi	MFKP17F2100	Art History and Choreography					✓	The course helps the students to acquire in-depth knowledge about the Art field in turn it equips the artist to create new collaborations in the field.
MFA Kuchupudi	MFKP17F1500	Slokas (Natyasastra) - Practical – 3				✓		This course deals with the moral values and inner core of Indian Traditions.
MFA Kuchupudi	MFKP17F2500	Slokas (Abhinaya Darpanam) -				✓		This course deals with the moral values and inner core of the Indian Traditions
MFA Kuchupudi	MFKP17F2700	Sanskrit					✓	This language helps the student to understand the cultural and traditional aspects of Indian Tradition. This course will lead them to preserve and sustain their understanding of the language in the field of Art
MFA Kuchupudi	MFKP17F3100	Aesthetics in Dance					✓	This course helps the students to convey the dance form in a beautifying and an aesthetical manner.
MFA Kuchupudi	MFKP17F3500	Individual Choreography - Practical – 2					✓	This course helps the students to create their own choreographies through the lense of history understanding of gender and Professional Ethics.
MFA Kuchupudi	MFKP17F3600	Slokas (Natyasastra and Abhinaya Darpanam)				✓		This course deals with the moral values and inner core of Indian Traditions.
MFA Kuchupudi	MFKP17F4100	Dance Writing and Biographies					✓	This course will help the students to pen down and verbalize the nonverbal art forms.
MFA Kuchupudi	MFKP17F4400	Nattuvangam - Practical – 3					✓	This course helps the students to create new choreographies through the theoretical and practical aspect of Nattuvangam which will lead to the preservation of Tradition
BA PAEP	B19BA1030	Constitution of India and Professional Ethics	✓					The Constitution of India lays down in defining fundamental political principles, sets out fundamental rights, directive principles and duties of citizen. It helps to know and understand the human rights and human
BA PAEP	B19BA1051	Practical I (Fundamental of Bharatanatyam)					✓	This course will help the dancer to understand the Fundamental and create their own Choreographies

BA PAEP	B19BA1052	PracticalI(Fundamental sofKuchipudi)					✓	This course will help the dancer to understand the Fundamental and create their own Choreographies
BA PAEP	B19BA1053	PracticalI(Fundamental sofDrama)					✓	This course will help the performer to understand the Fundamental and create their own productions.
BA PAEP	B19BA1054	PracticalI(Fundamental sof CarnaticMusic)					✓	This course will help the musician to understand the Fundamental and create their own compositions
BA PAEP	B19BA2071	Folklore Study – Folk Dance				✓		The course deals with the folk forms with respect to the geographical and linguistic aspects.
BA PAEP	B19BA2072	Folklore Study – Folk Music				✓		The course deals with the folk forms with respect to the geographical and linguistic aspects.
BA PAEP	B19BA2073	Folklore Study – Folk Theatre				✓		The course deals with the folk forms with respect to the geographical and linguistic aspects.
BA PAEP	B18BA3020	Environmental Studies				✓		This course helps the student to understand the environment.
BA PAEP	B18BA3030	Rasa Theory and its implications in Performing Arts					✓	Understanding Rasa theory will help the students to build their own perspective regarding the emotions and hence will be able to create sensible productions.
BA PAEP	B18BA4020	Textual Traditions in Performing Arts					✓	This course will guide the students to understand the theoretical aspect of the Tradition through lens of History. This will help them to apply the theory to the Practical.
BA PAEP	B18BA4050	Developmental Psychology		✓				This Paper deals with the gender Discrimination issues, identity crisis and gender role
BA PAEP	B18BA5010	Traditions and Innovations in Performing Arts					✓	The course helps the students to understand the Arts field and exposes the students to the Management aspect of the field. This helps the students to sustain and create new trends in the field.
BA PAEP	B18BA5052	Myths and Mythologies			✓			This helps the students to gain the knowledge about vedas and Puranas so that they apply these concept in their future life
BA PAEP	B18BA6010	Aesthetics (Indian and Western)					✓	This course helps the students to convey the dance form in a beautifying and an aesthetical manner.