SWAMI VIVEKANANDA BLOCK

Extract of Revision changes made for

Academic Year 2018-19

REVA UNIVERSITY
Bengaluru, India

SCHOOL OF CIVIL ENGINEERING

B.Tech. in Civil Engineering

Scheme

2018 - 19

Rukmini Knowledge Park,
Kattigenahalli, Yelahanka, Bangalore - 560 064
Phone No: +91-080-66226622, Fax: 080-28478539

B. Tech in Civil Engineering
Scheme of Instructions 2018-22

Sl. No.	Course Code	Course Title	Course Type	Credit Pattern and Value				Weekly Contact Hours	Teaching School/Dept.
				L	T	P	C		
First Semester: Physics Cycle									
1	B18CE1010	Differential Equations and Linear Algebra	HC	2	1	0	3	4	Mathematics
2	B18CE1020	Applied Physics	HC	2	1	0	3	4	Physics
3	B18CE1030	Object Oriented Programming with C $^{++}$	HC	2	1	0	3	4	C&IT .
4	B18CE1040	Building Materials	HC	2	1	0	3	4	Civil
5	B18CE1050	Technical English-1	HC	1	0	1	2	4	Arts and Humanities
6	B18CE1060	Civil Workshop Practice	HC	0	0	2	2	3	Civil
7	B18CE1070	Object Oriented Programming withC $^{++}$lab	HC	0	0	2	2	3	C&IT .
8	B18CE1080	Engineering Drawing (Manual)	HC	0	0	2	3	2+3	Mech.
		Total Credits for the First Semester:					21	31	
Second Semester: Chemistry Cycle									
1	B18CE2010	Vector Calculus and Partial Differential Equations	HC	2	1	0	3	4	Mathematics
2	B18CE2020	Applied Chemistry	HC	2	1	0	3	4	Chemistry
3	B18CE2030	Basics of Electrical and Electronics Engineering	HC	2	1	0	3	4	EEE
4	B18CE2040	Engineering Mechanics	HC	2	1	0	3	4	Civil
5	B18CE2050	Building Construction	FC	2	1	0	3	4	Civil
6	B18CE2060	Technical English-II	FC	1	0	1	2	4	Arts and Humanities
7	B18CE2070	Basic Electrical Lab	HC	0	0	2	2	3	EEE.
8	B18CE2080	Physics and Applied Mechanics Lab	HC	0	0	2	2	3	CIVIL
9	B18CE2090	Basic Auto CAD -Lab	HC	0	0	2	2	3	Civil
		Total Credits for the Second Semester:					**23**	**33**	

B. Tech in Civil Engineering
Scheme of Instructions 2016-20
III SEMESTER

Sl. No	Course Code	Title of the Course	Course Type	Pre requisite	L	T	P	Total	Contact Hours / Week	Teaching School/ Dept.
1	BTCE16F3100	Engineering Mathematics – III	HC	16F2100	2	1	0	3	4	Mathematics
2	BTCE16F3200	Strength of Materials	HC	16F2400	3	1	0	4	5	Civil
3	BTCE16F3300	Concrete Technology and Alternative Building Materials	HC	16F1500	2	1	0	3	4	Civil
4	BTCE16F3400	Applied Surveying	HC		2	1	0	3	4	Civil
5	BTCE16F3500	Fluid Mechanics	HC		2	1	0	3	5	Civil
6	BTCE16F3600	Strength of Materials Lab	FC		1	0	1	2	3	LAW
7	BTCE16F3700	Surveying Lab	FC		1	0	1	2	3	Civil
8	BTCE16F3800	Fluid Mechanics Lab	FC		1	0	1	2	3	Civil
9	BTCE16F3900	Architectural Planning and Design of Buildings (Manual Drawing)	Term Work		1	0	2	3	2+ 3	Civil
Total Credits for the Third Semester								**25**	**36**	

IV SEMESTER

Sl. No	Course Code	Title of the Course	Course Type	Pre requisite	L	T	P	Total	Contact Hours/ Week	Teaching School/Dept.
1	BTCE16F4100	Engineering Mathematics – IV	HC	16F3100	2	1	0	3	4	Mathematics

2	BTCE16F4200	Water Supply and Sanitary Engineering	HC		3	1	0	4	5	Civil
3	BTCE16F4300	Structural Analysis	HC	16F3200	2	1	0	3	5	Civil
4	BTCE16F4400	RCC Design of Structures	HC		2	1	0	3	5	Civil
5	BTCE16F4500	Railways, Airways, Waterways and Tunnels	HC		2	1	0	3	4	Civil
6	BTCE16F4600	Hydrology and Irrigation Engineering	HC	16F3500	2	1	0	3	5	Civil
7	BTCE16F4700	Concrete Technology Lab	FC		1	0	1	2	3	Civil
8	BTCE16F4800	Building Drawing with AutoCAD	FC		1	0	1	2	3	Civil
9	BTCE16F4900	Environmental Engineering Lab	FC		1	0	1	2	3	Placement
Total Credits for the Fourth Semester								**25**	**37**	

V SEMESTER

Sl. No	Course Code	Title of the Course	Course Type	Pre requisite	Credit Pattern & Credit Value				Contact Hours / Week	Teaching School /Dept.
					L	T	P	Total		
1	BTCE16F5100	Highway Engineering	HC	16F4500	3	1	0	4	5	Civil
2	BTCE16F5200	Soil Mechanics And Foundation Engineering	HC		3	1	0	4	5	Civil
3	BTCE16F5310	Advanced Structural Analysis	SC		3	1	0	4	5	Civil
	BTCE16F5320	Industrial Waste Water Treatment								
	BTCE16F5330	Town and Country Planning								

Sl.No	Course Code	Title of the Course	Course Type	Pre requisite	L	T	P	Total	Contact Hours/Week	Teaching School/Dept.
	BTCE16F5340	Principles Of Planning And Construction Management								
4	BTCE16F5410	Design Of Masonry Structures	SC		2	1	0	3	4	Civil
	BTCE16F5420	Air And Noise Pollution								Civil
	BTCE16F5430	Mass Transit Facilities								Civil
	BTCE16F5440	Remote Sensing And GIS								Civil
5	BTCE16F5510	Design Of Earthquake Resistant Structures	SC		2	1	0	3	4	Civil
	BTCE16F5520	Advanced Surveying								
	BTCE16F5530	Water Resources Engineering								
	BTCE16F5540	Non Destructive Testing								
6	BTCE16F5600	Highway Engineering Lab	FC		1	0	1	2	3	Civil
7	BTCE16F5700	Geotechnical Engineering Lab	FC		1	0	1	2	3	Civil
8	BTCE16F5800	Hydraulic Structures Design And Drawing	Term Work		2	0	1	3	2+3	Civil
Total Credits for the Fifth Semester								**25**	**34**	

VI SEMESTER

Sl. No	Course Code	Title of the Course	Course Type	Pre requisite	Credit Pattern & Credit Value				Contact Hours/ Week	Teaching School/Dept.
					L	T	P	Total		
1	BTCE16F6100	Steel Structures	HC		3	1	0	4	5	Civil
2	BTCE16F6200	Prestressed Concrete and Prefabricated Structures	HC	16F4400	3	1	0	4	5	Civil
3	BTCE16F6310	Design of tall structures	SC		3	1	0	4	5	Civil

	Code	Course	Category		L	T	P	Credits	Hrs	
	BTCE16F6320	Advanced Geotechnical Engineering								
	BTCE16F6330	Pavement Materials and Analysis								
	BTCE16F6340	Applications of GPS								
4	BTCE16F6410	Matrix Methods of Analysis	SC		2	1	0	3	4	Civil
	BTCE16F6420	Ground Improvement Techniques								
	BTCE16F6430	Traffic Engineering								
	BTCE16F6440	Open Channel Hydraulics								
5	BTCE16F6510	Theory of Elasticity	SC		2	1	0	3	4	Civil
	BTCE16F6520	Hydraulic Machinery								
	BTCE16F6530	Occupational Hazard and Industrial Safety								
	BTCE16F6540	Basics of Structural Dynamics								
6	BTCE16F6600	STAAD PRO and ETABS Lab	FC		1	0	1	2	3	Civil
7	BTCE16F6700	RCC Design and Drawing - Manual	Term Work		2	0	1	3	2+3	Civil
8	BTCE16F6800	New / Old Tank Project	FC		1	0	1	2	3	Civil
			Total Credits for the Sixth Semester					**25**	**34**	

B. Tech in Civil Engineering
Scheme of Instructions 2015-19
VII SEMESTER

Sl. No	Course Code	Title of the Course	HC/FC/SC/OE	Pre requisite	L	T	P	Total	Contact Hours/Week	Teaching School/Dept.
1	BTCE15F7100	Transportation Engineering-III	HC	BTCE15F6100	2	1	0	3	2	MBA
2	BTCE15F7200	Design & Drawing of RCC & steel Structures	HC	BTCE15F5710, BTCE15F6300	1	1	0	2	1	Civil
3	BTCE15F7310	Design of precast & pre-stressed concrete structures	SC	BTCE15F6300	3	1	0	4	3	Civil
	BTCE15F7320	Advanced Design of Shallow Foundations		BTCE15F6200	3	1	0	4	3	Civil
4	BTCE15F7410	Theory of elasticity	SC	BTCE15F3500	3	1	0	4	3	Civil
	BTCE15F7420	Open channel hydraulics		BTCE15F3600	3	1	0	4	3	Civil
	BTCE15F7430	Foundation engineering in difficult ground		BTCE15F6200	3	1	0	4	3	Civil
	BTCE15F7440	Solid & hazardous waste management		-	3	1	0	4	3	Civil
	BTCE15F7450	Road safety & Management		-	3	1	0	4	3	Civil
5	BTCE15F7510	Design of bridges & water tanks	SC	BTCE15F3500	3	1	0	4	3	Civil
	BTCE15F7520	Matrix methods of structural analysis		BTCE15F3500	3	1	0	4	3	Civil
	BTCE15F7530	Reinforced earth structures		BTCE15F6200	3	1	0	4	3	Civil
	BTCE15F7540	Pavement management system		-	3	1	0	4	3	Civil
	BTCE15F7550	Environmental impact assessment		-	3	1	0	4	3	Civil
6	XXXXXXXXX	Open Elective-II	HC	-	4	0	0	4	4	Civil

7	BTCE15F7800	Concrete & Highway Materials Lab	HC	BTCE15F4100	1	0	1	2	1	Civil
8	BTCE15F7900	Environmental Engineering Lab	HC	-						
Total Credits for the Sixth Semester								**25**	**32**	

VIII SEMESTER

Sl. No	Course Code	Title of the Course	Practical /Term Work / Sessions	Pre requisite	Credit Pattern & Credit Value				Contact Hours/ Week	Teaching School/ Dept.
					L	T	P	Total		
1	BTCE15F8100	Seminar	HC	-	0	0	2	2	0	Civil
2	BTCE15F8200	Project Work	HC	-	0	1	5	6	0	Civil
3	BTCE15F8310	Finite Element Analysis	SC	BTCE15F3500	3	1	0	4	3	Civil
	BTCE15F8320	Ground Improvement Techniques		BTCE15F5500	3	1	0	4	3	Civil
	BTCE15F8330	Industrial Waste Water Treatment		-	3	1	0	4	3	Civil
	BTCE15F8340	Highway Geometric Design		-	3	1	0	4	3	Civil
	BTCE15F8410	Advanced Design of pre-stressed concrete structures	SC	-	3	1	0	4	3	Civil
	BTCE15F8420	Analysis And Design Of Deep Foundation		BTCE15F6200	3	1	0	4	3	Civil
	BTCE15F8430	Earthquake Geotechnical Engineering		BTCE15F6200	3	1	0	4	3	Civil
	BTCE15F8510	Computer Applications in	SC	-	3	1	0	4	3	Civil

	Civil Engineering								
BTCE15F8520	Environmental Geotechnology		-	3	1	0	4	3	Civil
BTCE15F8530	Traffic Engineering & Management		-	3	1	0	4	3	Civil
BTCE15F8540	Earthquake Resistant Design Of Structures		-	3	1	0	4	3	Civil
Total Credits for Eigth Semester							**20**	**24**	
Total credits for all Eight semesters							**192**		

M Tech in Computer Aided Structural Engineering

Scheme – 2018-19

Rukmini Knowledge Park,

Kattigenahalli, Yelahanka, Bangalore - 560 064

www.reva.edu.in

Phone No: +91-080-66226622, Fax: 080-28478539

REVA UNIVERSITY
Bengaluru, India

SCHOOL OF CIVIL ENGINEERING
M Tech in COMPUTER AIDED STRUCTURAL ENGINEERING (FULL TIME)
SCHEME OF INSTRUCTION_ ENGINEERING (2018-2020)
I SEMESTER

Sl. No	Course Code	Title of the Course	HC/SC/OE	Pre requisite	Credit Pattern & Credit Value				Contact Hours
					L	T	P	Total	
1	M18SE1010	Computational Structural Mechanics	HC	BE / B. TECH in Civil Engineering	3	1	-	4	5
2	M18SE1020	Computational Structural Dynamics	HC		3	1	-	4	5
3	M18SE1030	Advanced Design of RC Structures	HC		3	1	-	4	5
4	M18SE1040	Advanced Solid Mechanics	HC		3	1	-	4	5
5	M18SE1051	Advanced Structural Analysis	SC		3	1	-	4	5
	M18SE1052	Design of Bridges	SC		3	1	-	4	5
6	M18SE1061	Special Concretes	SC		3	1	-	4	5
	M18SE1062	Design of Tall Structures	SC		3	1	-	4	5
TOTAL								24	30
Practical									
7	M18SE1070	Structural Engineering Laboratory-I (Concrete Laboratory)	HC		0	0	4	4	3
TOTAL								04	03
TOTAL SEMESTER CREDITS								28	

	TOTAL CUMULATIVE CREDITS	28
	TOTAL CONTACT HOURS	33

II SEMESTER

Sl. No	Course Code	Title of the Course	HC/SC /OE	Pre requisite	Credit Pattern & Credit Value				Contact Hours
					L	T	P	Total	
1	M18SE2010	Finite Element Method of Analysis	HC	BE / B. TECH in Civil Engineering	3	1	-	4	5
2	M18SE2020	Advanced design of foundations	HC		3	1	-	4	5
3	M18SE2030	Advanced Design of Steel Structures	HC		3	1	-	4	5
4	M18SE2040	Structural Health Monitoring	HC		3	1	-	4	5
5	M18SE2051	Design of Earthquake Resistant Structures	SC		3	1	-	4	5
	M18SE2052	Stability Analysis of Structures	SC		3	1	-	4	5
6	M18SE2061	Reliability Analysis and Design of Structures	SC		3	1	-	4	5
	M18SE2062	Advanced Design of Prestressed concrete	SC		3	1	-	4	5
TOTAL								24	30
Practical									
7	M18SE2070	Structural Engineering Laboratory-II (Software Lab)	HC		0	0	4	4	3
TOTAL								04	03
TOTAL SEMESTER CREDITS									28
TOTAL CUMULATIVE CREDITS									56
TOTAL CONTACT HOURS									33

SCHEME OF INSTRUCTION 2015-17

Sl. No.	Course Code	Title of the Course	HC/ SC	Credit Pattern			
				L	T	P	C
THIRD SEMESTER							
1	MTCA15F3110	Stability Analysis of Structures	SC	4	1	0	5

	MTCA15F3120	Design of Masonry Structures	SC	4	1	0	
2	MTCA15F3210	Health Monitoring, Repair and Rehabilitation of Structures	SC	4	1	0	5
	MTCA15F3220	Special Concrete					
3	MTCA15F3300	Skill Development Certification	HC	0	0	4	4
4	MTCA15F3410	Applications of Finite Element Analysis	OE	3	1	0	4
	MTCA15F3420	Applications of Optimization Techniques	OE*				
5	MTCA15F3500	Minor Project / Internship	HC	0	2	6	8
Total Credits							**26**

*Note: OPEN ELECTIVE Courses are offered for the students of other Schools. The students of the School of Civil Engineering have to choose ONE Open Elective offered by other schools.	

FOURTH SEMESTER

1	MTCA15F4100	Dissertation	HC	2	2	16	20
Total Credits							**20**
Total Credits of Four Semesters							**96**

M Tech in Transportation Engineering and Management

Scheme – 2018-19

Rukmini Knowledge Park,

Kattigenahalli, Yelahanka, Bangalore - 560 064

www.reva.edu.in

Phone No: +91-080-66226622, Fax: 080-28478539

SCHOOL OF CIVIL ENGINEERING
M.Tech. COURSE CURRICULUM SCEEME FROM: 2018-2020
Specialization: TRANSPORTATION ENGINEERING AND MANAGEMENT (TE)

I SEMESTER

Sl. No	Course Code	Title of the Course	HC/SC/OE	Pre requisite	L	T	P	Total	Contact Hours
1	M18TE1010	Traffic Engineering	HC		3	1	-	4	5
2	M18TE1020	Highway Materials and Testing	HC		3	1	-	4	5
3	M18TE1030	Ground Improvement Techniques	HC		3	1	-	4	5
4	M18TE1040	Railways and Airways	HC	B.E/ B. Tech Civil Engineering	3	1	-	4	5
5	M18TE1051	Geometric Design of Highways	SC		3	1	-	4	5
	M18TE1052	Intelligent Transportation Systems			3	1	-	4	5
6	M18TE1061	Development of Rural Infrastructures	SC		3	1	-	4	5
	M18TE1062	Road Safety and Management			3	1	-	4	5
TOTAL								24	30
Practical									
7	M18TE1070	Highway Materials testing and Pavement Evaluation laboratory	HC		-	-	4	4	3
TOTAL								04	03
TOTAL SEMESTER CREDITS									28
TOTAL CUMULATIVE CREDITS									28
TOTAL CONTACT HOURS									33

II SEMESTER

Sl. No	Course Code	Title of the Course	HC/SC/OE	Pre requisite	Credit Pattern & Credit Value				Contact Hours
					L	T	P	Total	
1	M18TE2010	Applied Traffic Engineering	HC		3	1	-	4	5
2	M18TE2020	Pavement Analysis and Design	HC		3	1	-	4	5
3	M18TE2030	Urban Transport Planning	HC	B.E/ B. Tech Civil Engineering	3	1	-	4	5
4	M18TE2040	Highway Economics and Finance	HC		3	1	-	4	5
5	M18TE2051	Pavement Evaluation and management system	SC		3	1	-	4	5
	M18TE2052	Transportation System Management	SC		3	1	-	4	5
6	M18TE2061	Highway Construction and Maintenance	SC		3	1	-	4	5
	M18TE2062	Planning and Management of Highway Projects	SC		3	1	-	4	5
TOTAL								**24**	**30**
Practical									
7	M18TE2070	Traffic Engineering Laboratory	HC		-	-	4	4	3
TOTAL								**04**	**03**
TOTAL SEMESTER CREDITS								**28**	
TOTAL CUMULATIVE CREDITS								**56**	
TOTAL CONTACT HOURS								**33**	

SCHEME OF INSTRUCTION_2015-17

Sl. No.	Course Code	Title of the Course	HC/ SC	Credit Pattern			
				L	T	P	C
THIRD SEMESTER							
1	MTTE15F3110	Pavement Evaluation and Management Systems	SC	4	1	0	5
	MTTE15F3120	Rural Roads					
2	MTTE15F3210	Sustainable Urban Transport Systems	SC	4	1	0	5
	MTTE15F3220	Environmental Impact Assessment of Transportation Projects					
3	MTTE15F3300	Skill Development Certification	HC	0	0	4	4
4	MTTE15F3410	Elements of Transportation systems	OE	3	1	0	4
	MTTE15F3420	Geometric Design and control of Transportation Systems	OE				
5	MTTE15F3500	Minor Project / Internship	HC	0	2	6	8
Note: OPEN ELECTIVE Courses are offered for the students of other Schools. The students of the School of Civil Engineering have to **choose ONE Open Elective offered by other schools**.							
				Total Credits for the Semester			**26**
FOURTH SEMESTER							
1	MTTE15F4100	Dissertation	HC	2	2	16	20
				Total Credits for the Semester			**20**
				Total Credits for the Programme			**96**

School of Computing and Information Technology
B. Tech. in Computer Science and Engineering
Scheme 2018-2022

Scheme of Instruction

Sl. No	Course Code	Course Title	Course Type	Credit Pattern and Value					Weekly Contact Hours	Teaching School/ Dept.
				L	T	P	J	C		
First Semester:										
1	B18CS1010	Multivariable Calculus and Linear Algebra	HC	4	0	0	0	4	4	CIT/Mat
2	B18CS1020	Chemistry	HC	3	0	0	0	3	3	Chemistry
3	B18CS1030	Programming for Problem Solving	HC	3	0	1	0	4	5	CIT
4	B18CS1040	Basic Electrical and Electronics Engineering	HC	4	0	0	0	4	4	EE
5	B18CS1050	EnvironmentalScience	HC	2	0	0	0	2	2	Chemistry
6	B18CS1060	TechnicalEnglish-1	FC	0	0	2	0	2	4	Arts and Humanities
7	B18CS1070	Basic Electrical and Electronics Engineering Lab	HC	0	0	2	0	2	2	EEE
8	B18CS1080	Chemistry Lab	HC	0	0	2	0	2	2	Chemistry
9	B18CS1090	Skill Development-1	HC	0	0	0	0	1	2	UIIC/CIT
Total								24	29	

Note: Workshop tour to be conducted to introduce Mechanical Tools (One Day). Building construction tour to be conducted to introduce construction fundamentals and technologies (One day). Industrial visits will be organized for a day to Public/Private Sectors in Bengaluru.

Second Semester:

1	B18CS2010	Probability and Statistics	HC	4	0	0	0	4	4	CIT/Mat
2	B18CS2020	Physics	HC	3	0	0	0	3	3	Physics
3	B18CS2030	ObjectOriented Programming	HC	3	0	0	0	3	3	CIT
4	B18CS2040	Technical English-2	FC	0	0	2	0	2	4	Arts & Humanities
5	B18CS2050	Indian Constitution and Professional Ethics	FC	2	0	0	0	2	2	Law
6	B18CS2060	Computer Aided Engineering Drawing Lab	HC	0	0	2	0	2	4	ME
7	B18CS2070	Object Oriented Programming Lab	HC	0	0	2	0	2	2	CIT
8	B18CS2080	Physics Lab	HC	0	0	2	0	2	2	Physics
9	B18CS2X10	Skill Development-2	HC	0	0	0	0	1	2	UIIC/CIT
10	B18CS2X20	Sports/Yoga/Music/Dance/Theatre	RULO	0	0	2	0	2	2	Others
Total								**23**	**28**	

Note: Industrial visits will be organized for a day to Public/Private Sectors in Bengaluru. All students must participate in a mini project exhibition and Hackathon.

Third Semester :

1	B18CS3010	Digital Logic Design	HC	3	0	0	0	3	3	CIT
2	B18CS3020	Analog Electronic Circuits	HC	3	0	0	0	3	3	CIT/ECE
3	B18CS3030	Programming with Java	HC	3	0	1	0	4	4	CIT
4	B18CS3040	Data Structures	HC	3	0	0	0	3	3	CIT
5	B18CS3050	Discrete Mathematics	HC	3	0	0	0	3	3	CIT/Mat
6	B18CS3060	Software Engineering	HC	3	0	0	0	3	3	CIT
7	B18CS3070	Data Structures Lab	HC	0	0	2	0	2	2	CIT
8	B18CS3080	Logic Design anAnalog Circuits Lab	HC	0	0	2	0	2	2	CIT
9	B18CS3090	Skill Development-3	HC	0	0	0	1	1	2	UIIC/CIT
10	B18CS3X10	Soft Skills-1	HC	0	0	2	0	2	2	Placement
Total								**26**	**27**	

Note: Awareness workshop on free and open source tools and commercial tools for computer science and engineering application development has to be conducted. Industrial visits will be organized for a day to Public/Private Sectors in Bengaluru.

Fourth semester:

1	B18CS4010	Design and Analysis of Algorithms	HC	3	0	1	0	4	5	CIT/Mat
2	B18CS4020	Graph Theory	HC	3	0	0	0	3	3	CIT/Mat
3	B18CS4030	Database Management System	HC	3	0	0	0	3	3	CIT
4	B18CS4040	Computer Organization and Architecture	HC	3	0	0	0	3	3	CIT
5	B18CS4051/5	Softcore -1 (SC-1)	SC	-	-	-	-	3	3	CIT
6	B18CS4060	Database Management System Lab	HC	0	0	2	0	2	2	CIT
7	B18CS4070	ARM Microcontroller and IoT Lab	HC	0	0	2	0	2	2	CIT
8	B18CS4080	Skill Development-4	HC	0	0	0	1	1	2	UIIC/CIT
9	B18CS4090	Soft Skills-2	HC	0	0	2	0	2	2	Placement
		Total						23	25	

Note: All students must participate in a miniproject exhibition and Hackathon. Industrial visits will be organized for a day to Public/Private Sectors in Bengaluru.

Fifth Semester :

1	B18CS5010	Finite Automata and Formal Languages	HC	3	0	0	0	3	3	CIT
2	B18CS5020	Python for Data Analysis	HC	2	0	1	0	3	3	CIT
3	B18CS5030	Computer Networks	HC	3	0	0	0	3	3	CIT
4	B18CS5040	Operating Systems	HC	3	0	1	0	4	5	CIT
5	B18CS5051/5	Softcore - 2 (SC-2)	SC	-	-	-	-	3	3	CIT
6	B18CS5061/5	Softcore - 3 (SC-3)	SC	-	-	-	-	3	3	CIT
7	B18CS5070	Statistical Data Analysis Lab	HC	0	0	2	0	2	2	CIT

				L	T	P	J	C		
8	B18CS5080	Computer Networks lab	HC	0	0	2	0	2	2	CIT
9	B18CS5090	Skill Development -5	HC	0	0	0	1	1	2	UIIC/CIT
10	B18CS5X10	Soft Skills-3	HC	0	0	2	0	2	2	Placement
Total								26	28	

Note: Industrial visits will be organized for a day to Public/Private Sectors in Bengaluru.

Sixth Semester :

				L	T	P	J	C		
1	B18CS6010	Machine Learning for Data Analytics	HC	3	0	1	0	4	5	CIT
2	B18CS6020	Cloud Computing and Big Data	HC	3	0	0	0	3	3	CIT
3	B18CS6031/5	Softcore - 4 (SC-4)	SC	-	-	-	-	3	3	CIT
4	B18CS6041/5	Softcore -5 (SC-5)	SC	-	-	-	-	3	3	CIT
5	B18CS6051/4	Softcore - 6 (SC-6)	SC	-	-	-	-	3	3	CIT
6	B18CS6061/4	Softcore-7 (SC-7)	SC	-	-	-	-	3	3	CIT
7	B18CS6070	Cloud Computing Lab	HC	0	0	2	0	2	2	CIT
8	B18CS6080	Skill Development-6	HC	0	0	0	1	1	2	UIIC/CIT
9	B18CS6090	Soft Skills-4	HC	0	0	2	0	2	2	Placement
Total								24	26	

Note: All students must participate in a miniproject exhibition and Hackhathon. Industrial visits will be organized for a day to Public/Private Sectors in Bengaluru.

Sl. No	Course Code	Course Title	Course Type	Credit Pattern and Value					Weekly Contact Hours	Teaching Dept.
				L	T	P	J	C		
Seventh Semester										
1	B18CS7010	Web Application Development	HC	3	0	1	0	4	5	CIT
2	B18CS7020	Cryptography and	HC	3	0	0	0	3	3	CIT

Sl. No	Course Code	Course Title	Course Type	L	T	P	J	C	Weekly Contact Hours	Teaching Dept.
		Network Security								
3	B18CS7031	Internet Computing & Applications	OE	3	-	-	-	3	3	CIT
4	B18CS7032	Data Structures	OE							
5	B18CS7041/4	Softcore - 8 (SC-8)	SC	3	-	-	-	3	3	CIT
6	B18CS7051/4	Softcore - 9 (SC-9)	SC	3	-	-	-	3	3	CIT
7	B18CS7061/4	Softcore - 10 (SC-10)	SC	3	-	-	-	3	3	CIT
8	B18CS7071/4	Softcore - 11 (SC-11)	SC	3	-	-	-	3	3	CIT
9	B18CS7080	Project Work and Dissertation Phase 1	HC				1	1	2	CIT
Total								23	25	

Note: 1 **The project work phase-1** of project dissertation of 8th semester will begin in 7th semester, where student has to form a project group and perform literature survey and define the problem tools and technologies to be used. Options for 8th semester must be selected in 7th semester.

2. **Open Electives,** namely '**Internet Computing & Applications'** and '**Data Structures'** are offered for students belonging to Schools other than Computing and Information Technology. The students of B.Tech in Computer Science and Engineering shall have to choose one of the **Open Electives** offered by any other School.

Sl. No	Course Code	Course Title	Course Type	Credit Pattern and Value					Weekly Contact Hours	Teaching Dept.
				L	T	P	J	C		
Eighth Semester										
1	B18CS8010	Internship/Skill Development / Global Certification Program	HC	-	-	-	-	6	6	CIT/others
2	B18CS8020	MOOC	HC	-	-	-	-	4	4	Others
3	B18CS8031/5	Softcore-12 (SC-12)	SC	3				3	3	CIT
4	B18CS8040	Project Work and Dissertation Phase-2	HC	-	-	-	10	10	10	CIT
Total								23	23	
Total Credits for all Eight Semesters:							**192**			

Note: Internship must be for atleast 2 months to be considered for 6 credits. Internships abroad must be for atleast 3 to 4 weeks to be considered for the credits. Global certification program students must obtain a certificate to attain 85 to 100% marks based on relative performance. If not eligible for certificate, they will have to undergo

examination at school level for 80% marks, and marks will be awarded based on examination performance. Such a program will be considered as Skill Development Program.

Total Credits = 192

Code for the representation of the Soft core /Specialization Groups

A: Data Engineering,

B: System Design & Computing,

C: Robotics,

D: Communication/Networking

E: Software Systems,

F: Others

Sl.No.	Course Code	Name of the Course	L	T	P	J	C	Specialization Group
		Semester – IV (SC-1)						
1	B18CS4051	Signal sand Systems	2	1	0	0	3	F
2	B18CS4052	System Software	3	0	0	0	3	F
3	B18CS4053	Embedded System Design	2	1	0	0	3	B
4	B18CS4054	Operation Research	2	1	0	0	3	B
5	B18CS4055	Numerical Techniques	2	1	0	0	3	B
		Semester – V (SC-2)						
1	B18CS5051	Object Oriented Analysis and Design	3	0	0	0	3	B
2	B18CS5052	IoT Programming and Applications	2	0	0	1	3	B
3	B18CS5053	Software Testing	2	0	1	0	3	E
4	B18CS5054	Digital Communication	3	0	0	0	3	D
5	B18CS5055	Microprocessors and Interfacing	3	0	0	0	3	F
		(SC-3)						
1	B18CS5061	Unix System Programming	2	0	1	0	3	E
2	B18CS5062	Advanced DBMS	2	0	0	1	3	A
3	B18CS5063	Introduction to Robotics	3	0	0	0	3	C
4	B18CS5064	High Performance Computing	3	0	0	0	3	B
5	B18CS5065	Differential and Difference equations	3	0	0	0	3	F

			Semester – VI (SC-4)						

1	B18CS6031	Signal Processing with SCIILAB	2	0	1	0	3	B
2	B18CS6032	Principles of Programming languages	3	0	0	0	3	A
3	B18CS6033	Compiler Design	3	0	0	0	3	B
4	B18CS6034	Artificial Intelligence	3	0	0	0	3	B
5	B18CS6035	Computer Design with Verilog	3	0	0	0	3	B
		(SC-5)						
1	B18CS6041	Digital Image Processing	3	0	0	0	3	C
2	B18CS6042	Advanced Java Programming	2	0	0	1	3	A
3	B18CS6043	Data Mining and Warehousing	2	0	1	0	3	B
4	B18CS6044	System Modeling and Simulation	3	0	0	0	3	D
5	B18CS6045	Research Methodology	4	0	0	4	4	F
		(SC-6)						
1	B18CS6051	Pattern Recognition	2	0	1	0	3	A
2	B18CS6052	Text & Web Mining	2	0	1	0	3	A
3	B18CS6053	Wireless and Mobile Networks	3	0	0	0	3	D
4	B18CS6054	Parallel Processing and Algorithms	2	0	1	0	3	D
		(SC-7)						
1	B18CS6061	Mobile Application Development	2	0	0	1	3	E
2	B18CS6062	Advanced Computer Networks	3	0	0	0	3	D
3	B18CS6063	Introduction to Genomic Sciences	3	0	0	0	3	F
4	B18CS6064	UI/UX Design	2	0	0	1	3	B
		Semester – VII (SC-8)						
1	B18CS7041	Augmented and virtual Reality	3	0	0	0	3	A
2	B18CS7042	Network Programming	2	0	0	1	3	D
3	B18CS7043	C# and. Net	2	0	1	0	3	E
4	B18CS7044	Natural Language Processing	3	0	0	0	3	A
		(SC-9)						
1	B18CS7051	Data Science using R	2	0	0	1	3	E
2	B18CS7052	Deep Learning	2	0	1	0	3	B
3	B18CS7053	Multimedia Computing and Networks	3	0	0	0	3	D
4	B18CS7054	Business Intelligence and Process Management	3	0	0	0	3	B
		(SC-10)						
1	B18CS7061	Human Computer Interaction	3	0	0	0	3	B
2	B18CS7062	Computer Graphics and Animation	2	0	1	0	3	E
3	B18CS7063	Software Defined Networks and Network	3	0	0	0	3	D

		Function Virtualization						
4	B18CS7064	Advanced Web Technology	2	0	0	1	3	F
		(SC-11)						
1	B18CS7071	Big Data Analytics	2	0	1	0	3	A
2	B18CS7072	Block Chain Technology	3	0	0	0	3	A
3	B18CS7073	Cloud Security	3	0	0	0	3	A
4	B18CS7074	Bio-informatics	2	0	0	1	3	B
		Semester VIII (SC-12)						
1	B18CS8031	Real Time Systems	3	0	0	0	3	A
2	B18CS8032	Innovation and Entrepreneurship Present	2	0	1	0	3	B
3	B18CS8033	Ethical Hacking and IT Security Evaluation	3	0	0	0	3	F
4	B18CS8034	Cognitive Science and Computing	3	0	1	0	3	F
5	B18CS8035	Data Compression						E

B. Tech in Electronics and Communication Engineering
Scheme 2018-2022

Sl. No.	Course Code	Course Title	Course Type	L	T	P	C	Weekly Contact Hours	Teaching School/Dept.
First Semester: Physics Cycle									
1	B18EC1010	Engineering Mathematics-I	HC	3	1	0	4	5	Mathematics
2	B18EC1020	Engineering Physics	HC	2	1	0	3	4	Physics
3	B18EC1030	Elements of Mechanical Engineering	HC	1	1	0	2	3	Mech.
4	B18EC1040	Basic Electrical and Electronics	HC	2	1	0	3	4	ECE
5	B18EC1050	Computer Concepts and C Programming (I)	HC	2	0	1	3	5	C&IT
6	B18EC1060	Constitution of India and Professional Ethics	FC	2	0	0	2	2	LAW
7	B18EC1070	Technical English-1	FC	0	0	2	2	4	Arts and Humanities
8	B18EC1080	Basic Electrical and Electronics Lab	HC	0	0	2	2	3	ECE
9	B18EC1090	Engineering Physics Lab	HC	0	0	2	2	3	Physics
		Total Credits for the First Semester:					23	33	
Second Semester: Chemistry Cycle									
1	B18EC2010	Engineering Mathematics-II	HC	3	1	0	4	5	Mathematics
2	B18EC2020	Engineering Chemistry	HC	3	0	0	3	3	Chemistry
3	B18EC2030	Analog Electronics	HC	3	0	0	3	3	ECE
4	B18EC2040	Python Programming (I)	HC	2	0	1	3	5	C&IT/ECE
5	B18EC2050	Environmental Sciences	FC	2	0	0	2	2	Chemistry
6	B18EC2060	Technical English -2	FC	0	0	2	2	4	Arts and Humanities
7	B18EC2070	Computer Aided Engineering Drawing (I)	HC	1	0	1	2	5	Mech.
8	B18EC2080	Analog Electronics lab	HC	0	0	2	2	3	ECE
9	B18EC2090	Chemistry Lab	HC	0	0	2	2	3	Chemistry
		Total Credits for the Second Semester:					**23**	**33**	
Note: Analog Electronics subject is a project based learning. Students are required to do Mini Project on Electronic Circuits									

Sl. No.	Course Code	Course Title	Course Type	Credit Pattern and Value				Weekly Contact Hours	Teaching School/ Dept.
				L	T	P	C		
Third Semester:									
1	B18EC3010	Engineering Mathematics-III	HC	2	1	0	3	4	Mathematics
2	B18EC3020	Linear Integrated Circuits	HC	3	0	0	3	3	ECE
3	B18EC3030	Digital Electronics & VHDL	HC	3	1	0	4	5	ECE
4	B18EC3040	Signals & Systems (I)	HC	2	1	1	4	5	ECE
5	B18EC3050	Network Theory	HC	2	1	0	3	4	ECE
6	B18EC306X	Soft Core – 1 (SC-1)	SC	3	0	0	3	3	ECE
7	B18EC3070	Linear Integrated Circuits Lab	HC	0	0	2	2	3	ECE
8	B18EC3080	Digital Electronics and VHDL Lab	HC	0	0	2	2	3	ECE
9	B18EC3090	Soft Skill - 1	RULO	0	0	2	2	2	UIIC/ECE
10	B18EC3X10	YOGA/MUSIC/SPORTS/ DANCE/ THEATRE	RULO	0	0	2	2	2	Physical Education/ Performing Arts
Total Credits for the Third Semester:						28		34	
Note: Linear Integrated Circuit subject is project based learning. Students are required to do Mini Project on the basics. ***RULO:R**EVA **U**nique **L**earning **O**pportunity									
Fourth Semester:									
1	B18EC4010	Engineering Mathematics-IV	HC	2	1	0	3	4	Mathematics
2	B18EC4020	Analog Communication	HC	3	0	0	3	3	ECE
3	B18EC4030	Electromagnetic Field Theory	HC	2	1	0	3	4	ECE
4	B18EC4040	Microcontrollers and Applications	HC	3	0	0	3	3	ECE
5	B18EC4050	Control systems (I)	HC	3	0	1	4	5	ECE
6	B18EC406X	Soft Core -2 (SC-2)	SC	3	0	0	3	3	ECE
7	B18EC4070	Microcontrollers and applications Lab	HC	0	0	2	2	3	ECE
8	B18EC4080	Analog Communication Lab	HC	0	0	2	2	3	ECE
9	B18EC4091	Soft Skill-2	RULO	0	0	2	2	2	UIIC/ECE
10	B18EC4101	Skill Development	RULO	0	0	0	2	2	UIIC/SDC
Total Credits for the Fourth Semester:						27		33	
Note: Students are required to do Mini Project and Compulsory for Project Exhibition									

Sl. No.	Course Code	Course Title	Course Type	Credit Pattern and Value				Weekly Contact Hours	Teaching School/ Dept.
				L	T	P	C		
Fifth Semester									
1	B18EC5010	Digital Communication	HC	2	1	0	3	3	ECE
2	B18EC5020	RF and Microwave Engineering	HC	2	1	0	3	4	ECE
3	B18EC5030	Digital Signal Processing (I)	HC	2	1	1	4	5	ECE
4	B18EC5040	Entrepreneurship and Innovator Skills	HC	2	0	0	2	2	Mgmt./ECE
5	B18EC505X	Soft Core – 3 (SC-3)	SC	3	0	0	3	3	ECE
6	B18EC506X	Soft Core – 4(SC-4)	SC	3	0	0	3	3	ECE
7	B18EC507X	Soft Core – 5(SC-5)	SC	3	0	0	3	3	ECE
8	B18EC5080	RF and Microwave Lab	HC	0	0	2	2	3	ECE
9	B18EC5090	Digital Communication Lab	HC	0	0	2	2	3	ECE
10	B18EC5X10	Soft Skill-3	RULO	0	0	2	2	2	UIIC/ECE
11	B18EC5X20	MOOCs-Swayam/NPTEL /EDx/COURSERA/ Mini Project	RULO	0	0	2	2	2	Others
Total Credits for the Fifth Semester:							29	33	

Note: Industrial visits will be organized for a day to Public/Private Sectors in Bengaluru. Aptitude development program will be conducted for two days.

Sl. No.	Course Code	Course Title	Course Type	L	T	P	C	Weekly Contact Hours	Teaching School/ Dept.
Sixth Semester									
1	B18EC6010	Antenna and wave Propagation	HC	2	1	0	3	4	ECE
2	B18EC6020	CMOS VLSI Circuits	HC	3	0	0	3	3	ECE
3	B18EC6030	Computer Communication and Networks (I)	HC	3	0	1	4	5	ECE
4	B18EC604X	Soft Core – 6(SC-6)	SC	3	0	0	3	3	ECE
5	B18EC605X	Soft Core – 7(SC-7)	SC	3	0	0	3	3	ECE
6	B18EC606X	Soft Core – 8(SC-8)	SC	3	0	0	3	3	ECE
7	B18EC6070	Antenna Lab	HC	0	0	2	2	3	ECE
8	B18EC6080	CMOS VLSI Circuits Lab	HC	0	0	2	2	3	ECE
9	B18EC6090	Soft Skill -4	RULO	0	0	2	2	3	UIIC/ECE
10	B18EC6X10	MOOCs / SWAYAM/ NPTEL /EDx/COURSERA/Mini Project	RULO	0	0	2	2	2	Others
Total Credits for the Sixth Semester:							27	32	

Note: All students must participate in a Mini Project Exhibition. Industrial visits will be organized for a day to Public/ Private Sectors related to Communication.

Sl. No	Course Code	Course Title	Course Type	Credit Pattern and Value				Weekly Contact Hours	Teaching Dept.
				L	T	P	C		
Seventh Semester									
1	B18EC7010	IOT and Cyber physical systems (I)	HC	3	0	1	4	5	ECE
2	B18EC702X	Soft Core –9 (SC-9)	SC	3	0	0	3	3	ECE
3	B18EC703X	Soft Core – 10(SC-10)	SC	3	0	0	3	3	ECE
4	B18EC704X	Soft Core – 11(SC-11)	SC	3	0	0	3	3	ECE
5	B18EC705X	Open Elective	OE	4	0	0	4	4	ECE
6	B18EC7060	Project Dissertation Phase-I	HC	0	0	4	4	4	ECE
		Total Credits for the Seventh Semester:					21	22	

Note: The project work phase-1 of project dissertation of 8thSemester will begin in 7thSemester, where student has to form a project group and perform literature survey and define the problem tools and technologies to be used. Options for 8thSemester must be selected in 7thSemester.

Sl. No	Course Code	Course Title	Course Type						
Eighth Semester									
1	B18EC801X	Internship/Global Certification Program/ Soft Core-12 (SC-12)	SC	3	0	0	3	3	ECE/Others
2	B18EC802X	Internship/Global Certification Program/ Soft Core-13 (SC-13)	SC	3	0	0	3	3	ECE/Others
3	B18EC8030	**Project & Dissertation Phase - II**	HC	0	0	8	8	8	ECE
		Total Credits for the Eighth Semester		14		14			
		Total Credits for all Eight Semesters:					192		

Total Credits = 192 (including Credits for Sports/Yoga/Music/Dance/Theatre)

Scheme of Soft Core (SC) & Open Elective (OE) with Specialization Groups
A: Electronics/VLSI, B: Computers & IT, C: Communication Engg. D: Interdisciplinary

Sl. No.	Soft-core Group No. / Semester	Name of the Course	Course Code	L	T	P	C	Specialization Group
1	SC-1 / Semester-3	Instrumentation Engineering	B18EC3061	3	0	0	3	A
2		Computer Organization and Architecture	B18EC3062	3	0	0	3	B
3		Object Oriented Programming Using C++	B18EC3063	3	0	0	3	B
5	SC-2 / Semester - 4	Solid state Devices Theory (SSDT)	B18EC4061	3	0	0	3	A
6		Data Structures Using C & C++	B18EC4062	3	0	0	3	B
7		Power Electronics	B18EC4063	3	0	0	3	A
8		Probability & Random Processes	B18EC4064	3	0	0	3	D
9	SC-3/ Semester- 5	Microelectronics	B18EC5051	3	0	0	3	A
10		JAVA Programming	B18EC5052	3	0	0	3	B
11		Optical Fiber Communication	B18EC5053	3	0	0	3	C
12		Research Methodology & IPR	B18EC5054	3	0	0	3	D
13	SC-4 / Semester 5	ARM Processors and applications	B18EC5061	3	0	0	3	A
14		Theory of Algorithms	B18EC5062	3	0	0	3	B
15		Biomedical Signal Processing	B18EC5063	3	0	0	3	C
16		Automotive Electronics	B18EC5064	3	0	0	3	D
17	SC-5 / Semester 5	System Verilog	B18EC5071	3	0	0	3	A
18		Relational Data Base Management System (RDBMS)	B18EC5072	3	0	0	3	B
19		Digital signal Processor Architecture(DSPA)	B18EC5073	3	0	0	3	C
20		Mechatronics	B18EC5074	3	0	0	3	D
21	SC-6 / Semester 6	Embedded Systems	B18EC6041	3	0	0	3	A
22		Data Mining	B18EC6042	3	0	0	3	B
23		Image Processing	B18EC6043	3	0	0	3	C
24		Machine Learning & Deep Learning	B18EC6044	3	0	0	3	D
25	SC-7 / Semester 6	Real Time Systems	B18EC6051	3	0	0	3	A
26		UNIX fundamentals	B18EC6052	3	0	0	3	B
27		Adaptive Filters	B18EC6053	3	0	0	3	C
28		Project Management	B18EC6054	3	0	0	3	D
29		Component Engineering	B18EC6055	3	0	0	3	D
30	SC-8 / Semester 6	MEMS	B18EC6061	3	0	0	3	A
31		Web Programming	B18EC6062	3	0	0	3	B

32		Information Theory and Coding	B18EC6063	3	0	0	3	C
33		Alternate Engineering	B18EC6064	3	0	0	3	D
34	SC-9 / Semester 7	Analog Mixed Mode VLSI	B18EC7021	3	0	0	3	A
35		Cloud Computing	B18EC7022	3	0	0	3	B
36		Wireless Communication	B18EC7023	3	0	0	3	C
37		Robotics & Automation	B18EC7024	3	0	0	3	D
38		Software Engineering	B18EC7025	3	0	0	3	D
39	SC-10 / Semester 7	ASIC Design	B18EC7031	3	0	0	3	A
40		Big data and Data Science	B18EC7032	3	0	0	3	B
41		Satellite Communication	B18EC7033	3	0	0	3	C
42		Medical Electronics	B18EC7034	3	0	0	3	D
43	SC-11 / Semester 7	SOC Design	B18EC7041	3	0	0	3	A
44		Grid computing	B18EC7042	3	0	0	3	B
45		Multi Media Communication (MMC)	B18EC7043	3	0	0	3	C
46		Reliability Engineering	B18EC7044	3	0	0	3	D
47	SC-12 / Semester 8	Low power VLSI	B18EC8011	3	0	0	3	A
48		Parallel Processing	B18EC8012	3	0	0	3	B
49		Ad-hoc Networks	B18EC8013	3	0	0	3	C
50		Avionics	B18EC8014	3	0	0	3	D
51	SC-13 / Semester 8	Digital Testing & Testability	B18EC8021	3	0	0	3	A
52		Pervasive & Ubiquitous Computing	B18EC8022	3	0	0	3	D
53		Network Security	B18EC8023	3	0	0	3	B
54		Radar and Navigational Aids	B18EC8024	3	0	0	3	C
55	OE / Semester 7	Embedded Systems	B18EC7051	4	0	0	4	*
56		Robotics and Automation	B18EC7052	4	0	0	4	*
57		IOT and Cyber physical system	B18EC7053	4	0	0	4	*

Registrar
REVA University
Bengaluru - 560 064

B. Tech (Electrical & Electronics Engineering) Program
Scheme of Instructions
(Effective from Academic Year 2018 - 19)

I Semester Physics Cycle

SL	Course Code	Title of the Course	HC/SC/OE	L	T	P	C	CH	Teaching School/Dept.
1	B18EE1010	Engineering Mathematics – I	HC	4	0	0	4	4	Mathematics
2	B18EE1020	Engineering Physics	HC	2	1	0	3	4	Physics
3	B18EE1030	Engineering Mechanics	HC	2	1	0	3	4	Civil
4	B18EE1040	Elements of Mechanical Engineering	HC	2	1	0	3	4	Mechanical
5	B18EE1050	Basic Electrical & Electronics Engineering	HC	2	1	0	3	4	EEE/ECE
6	B18EE1060	Indian Constitution and Professional Ethics	FC	2	0	0	2	2	Law
7	B18EE1070	Technical English I	FC	0	0	2	2	4	A & H
8	B18EE1080	Physics Lab	HC	0	0	2	2	2	Physics
9	B18EE1090	Basic Electrical Engineering lab	HC	0	0	2	2	2	EEE
		TOTAL CREDITS		14	4	6	24	30	

II Semester   Chemistry Cycle

SL	Course Code	Title of the Course	HC/SC/OE	L	T	P	C	CH	Teaching School/Dept.
1	B18EE2010	Engineering Mathematics – II	HC	4	0	0	4	4	Mathematics
2	B18EE2020	Engineering Chemistry	HC	2	1	0	3	4	Chemistry
3	B18EE2030	Electrical Power Generation & Transmission	HC	2	1	0	3	4	EEE
4	B18EE2040	Computer Concepts & C++ Programming	HC	2	1	0	3	4	CSE
5	B18EE2050	Electrical &Electronic Instrumentation and Measurements	HC	2	1	0	3	4	EEE
6	B18EE2060	Environmental Sciences	FC	2	0	0	2	2	Chemistry
7	B18EE2070	Technical English II	FC	0	0	2	2	4	A & H
8	B18EE2080	Chemistry Laboratory	HC	0	0	2	2	2	EEE
9	B18EE2090	Computer programming (C++) Lab	HC	0	0	2	2	2	CSE
		FINAL CREDITS		14	4	6	24	30	

III Semester

SL	Course Code	Title of the Course	HC/ SC/ OE	L	T	P	C	CH	Teaching School/Dept.
1	B18EE3010	Engineering Mathematics–III	HC	4	0	0	4	4	Mathematics
2	B18EE3020	Electrical Circuit Theory	HC	3	1	0	4	5	EEE
3	B18EE3030	Electrical Machines I	HC	4	0	0	4	4	EEE
4	B18EE3040	Analog Electronic & Digital Electronic Circuit Design	HC	2	1	0	3	4	EEE
5	B18EE3050	Theory and Applications of Linear Integrated Circuits	HC	2	0	1	3	4	EEE
6	B18EE3060	Microcontrollers and Applications	HC	2	1	0	3	4	EEE
7	B18EE3070	Analog Electronic & Digital Circuit Design Laboratory	HC	0	0	2	2	3	EEE
8	B18EE3080	Electrical and Electronics Measurements Lab.	HC	0	0	2	2	3	EEE
9	B18EE3090	Soft Skill	RULO	1	0	1	2	2	T & P / EEE
		Mandatory total Credits		18	3	6	27	33	
10	B18EE3X10	Skill Development	RULO	0	0	2	2	2	EEE / Industry
		FINAL CREDITS		18	3	8	29	35	

IV Semester

SL	Course Code	Title of the Course	HC/SC/OE	L	T	P	C	CH	Teaching School/Dept.
1	B18EE4010	Engineering Mathematics–IV	HC	4	0	0	4	4	Mathematics
2	B18EE4020	Electromagnetic Theory	HC	4	0	0	4	4	EEE
3	B18EE4030	Electrical Machines II	HC	4	0	0	4	4	EEE
4	B18EE4040	Power Electronics	HC	4	0	0	4	4	EEE
5	B18EE4051	Electrical Power Utilization	SC	4	0	0	4	4	EEE
	B18EE4052	Electric drives							EEE
	B18EE4053	Digital system design using VHDL							ECE/EEE
	B18EE4054	Data Base Management System							C&IT
6	B18EE4061	Management & Entrepreneurship	SC	4	0	0	4	4	EEE
	B18EE4062	Electricity Act							EEE
	B18EE4063	Programmable Logic Circuits							ECE/EEE
	B18EE4064	Data Structures using C++							C&IT
7	B18EE4070	Electrical Machines-I Laboratory	HC	0	0	2	2	2	EEE
8	B18EE4080	Microcontroller Laboratory	HC	0	0	2	2	2	EEE
9	B18EE4090	Soft Skill	SS	0	0	2	2	2	T & P / EEE
		Mandatory total Credits		24	0	6	30	32	
10	B18EE4X20	Yoga/Sports/Performing Arts/Meditation	SC	0	0	2	2	4	EEE
		TOTAL CREDITS		24	0	8	32	34	

V Semester

SL	Course Code	Title of the Course	HC/SC/OE	L	T	P	C	CH	Teaching School/Dept.
1	B18EE5010	Power System Analysis	HC	3	0	0	3	4	EEE
2	B18EE5020	Switch Gear & Protection	HC	3	0	0	3	4	EEE
3	B18EE5030	High Voltage Engineering	HC	3	0	0	3	4	EEE
4	B18EE5041	Design of Electrical Machines	SC	3	0	0	3	4	EEE
	B18EE5042	Advanced Power Electronics							EEE
	B18EE5043	VLSI Circuits and Design							ECE/EEE
	B18EE5044	Python Programming							C&IT
5	B18EE5051	Operation & Research	SC	3	0	0	3	4	EEE
	B18EE5052	Electric & Hybrid Vehicles							EEE
	B18EE5053	Digital Image Processing							ECE/EEE
	B18EE5054	Web Programming							C&IT
6	B18EE5061	Electrical Power Quality	SC	3	0	0	3	4	EEE
	B18EE5062	Electrical Regulations & Safety							EEE
	B18EE5063	Embedded Systems & IOT							ECE/EEE
	B18EE5064	Artificial Intelligence							C&IT
7	B18EE5070	Power Electronics Laboratory	HC	0	0	2	2	3	EEE
8	B18EE5080	Electrical Machines Laboratory II	HC	0	0	2	2	3	EEE
9	B18EE5090	Soft Skill	RULO	0	0	2	2	2	T & P / EEE
		Mandatory total Credits		18	0	6	24	32	
10	B18EE5X10	Skill Development	RULO	1	0	1	2	2	EEE / Industry
		TOTAL CREDITS		19	0	7	26	34	

VI Semester

SL	Course Code	Title of the Course	HC/SC/OE	L	T	P	C	CH	Teaching School/Dept.
1	B18EE6010	Computer Aided Power System Analysis and Stability	HC	3	0	0	3	4	EEE
2	B18EE6020	Signal Processing	HC	3	0	0	3	4	EEE
3	B18EE6030	Control Engineering	HC	3	0	0	3	4	EEE
4	B18EE6041	Testing and Commissioning of Electrical Equipment	SC	3	0	0	3	4	EEE
	B18EE6042	Energy storage systems							EEE
	B18EE6043	Electrical Engineering Materials							EEE
	B18EE6044	MEMS Technology							ECE/EEE
	B18EE6045	Big Data Analytics & Cloud Computing							C&IT
5	B18EE6051	Power System Planning and Reliability	SC	3	0	0	3	4	EEE
	B18EE6052	Modeling and Simulation of Electrical Machines							EEE
	B18EE6053	Industrial Instrumentation and Automation							ECE
	B18EE6054	Fundamentals of Robotics							ECE/EEE
	B18EE6055	JAVA Programming							C&IT
6	B18EE6061	Smart grid	SC	3	0	0	3	4	EEE
	B18EE6062	Reactive power management							EEE
	B18EE6063	Advanced Electrical Machines							EEE

	B18EE6064	Analog & Digital Communication Systems							EEE
	B18EE6065	Cryptography & Network Security							C&IT
7	B18EE6070	Power System Simulation Laboratory	HC	0	0	2	2	3	EEE
8	B18EE6080	Control System Laboratory	HC	0	0	2	2	3	EEE
9	B18EE6090	Soft Skill	SS	2	0	0	2	2	T & P / EEE
10	B18EE6X10	SWYAM/MOOC Course	RULO	2	0	0	2	2	EEE
11	B18EE6X20	Skill Development	RULO	1	0	1	2	2	EEE / Industry
		FINAL CREDITS		**23**	**0**	**5**	**28**	**34**	

VII Semester

SL No.	Course Code	Title of the Course	HC/SC/OE	L	T	P	C	CH	Teaching School/Dept.
1	B18EE7010	Project Phase -1	HC	0	1	1	2	2	EEE
2	B18EE7020	Computer Aided Electrical Drawing	HC	2	0	1	3	5	EEE
3	B18EE7031	Advanced Control Engineering	SC	2	1	0	3	3	EEE
	B18EE7032	Electrical Energy Conservation							EEE
	B18EE7033	Computer Control of Electric drives							EEE
	B18EE7034	Advanced microcontrollers							ECE
	B18EE7035	Software Testing							C&IT
4	B18EE7041	HVDC	SC	2	1	0	3	3	EEE
	B18EE7042	Operation and Control of Power Systems							EEE
	B18EE7043	Non Conventional Energy Sources							EEE
	B18EE7044	Optic Fiber Communications							ECE/EEE
	B18EE7045	Computer Networks Concepts and Protocols							C&IT
5	B18EE7050	Open Elective subject offered by other school	OE	3	0	0	3	3	OTHER SCHOOLS
6	B18EE7060	Signal Processing Laboratory	HC	0	0	2	2	3	EEE
7	B18EE7070	High Voltage Engineering Lab	HC	0	0	2	2	3	EEE
		TOTAL CREDITS		**13**	**0**	**5**	**18**	**22**	

VIII Semester

SL	Course Code	Title of the Course	HC/SC/OE	L	T	P	C	CH	Teaching School/Dept.
1	B18EE8010	Project work	HC	0	1	7	8	16	EEE/Industry
2	B18EE8021	Trouble Shooting of Common Electrical Equipments	SC	2	1	0	3	4	EEE
	B18EE8022	Introduction to Flexible AC transmission system							EEE
	B18EE8023	Wireless Communication							ECE/EEE
	B18EE8024	Machine Learning Techniques							C&IT
		TOTAL CREDITS		3	1	7	11	20	

Credit Distribution

SL. No	Semester	Mandatory Credits								Additional credits				Grand Total
		FC	HC	SC	OE	SS	Project	Internship	Total	Yoga/Sports / Performing Arts/Meditation	Swayam / Mooc	Skill	Total	
1	I	4	19	-	-	-	-	-	23	-	-	-	0	23
2	II	4	19	-	-	-	-	-	23	-	-	-	0	24
3	III	-	23	-	-	2	-	-	25	-	-	2	2	27
4	IV	-	16	6	-	2	-	-	24	2	3	-	5	29
5	V	-	13	9	-	2	-	-	24	-	-	2	2	26
6	VI	-	13	9	-	2	-	-	24	-	3	2	5	29
7	VII	-	8	6	3	-	2	-	19	-	-	2	2	21
8	VIII	-	-	3	-	-	8	3	14	-	-	-	-	14
Total		8	111	33	3	8	10	3	176	2	6	8	16	192

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REVA University
Bengaluru - 560 064

B. Tech in Mechanical Engineering
Scheme & syllabus

I SEMESTER (CHEMISTRY CYCLE)

Sl. No	Course Code	Title of the Course	Type of Course	Credit Pattern & Credit Value				Contact Hours	Teaching school
				L	T	P	Total		
1	B18ME1010	Calculus	HC	2	1	0	3	4	Physical Sciences
2	B18ME1020	Applied Chemistry	HC	3	0	0	3	3	Physical Sciences
3	B18ME1030	Basic Electrical and Electronics Engineering	HC	2	0	1	3	5	EEE
4	B18ME1040	Computer Aided Engineering Drawing	HC	1	0	2	3	7	ME
5	B18ME1050	Environmental Studies	FC	2	0	0	2	2	Physical Sciences
6	B18ME1060	Technical English-I	FC	0	0	2	2	4	Humanity Science
7	B18ME1070	Applied Chemistry Lab	HC	0	0	2	2	3	Physical Sciences
8	B18ME1080	Workshop Practice	HC	0	0	2	2	3	ME
TOTAL CREDITS & CONTACT HOURS							**20**	**31**	

II SEMESTER (PHYSICS CYCLE)

Sl. No	Course Code	Title of the Course	Type of Course	Credit Pattern & Credit Value				Contact Hours	Teaching School
				L	T	P	Total		
1	B18ME2010	Linear Algebra and Laplace Transform	HC	2	1	0	3	4	Physical Sciences
2	B18ME2020	Applied Physics	HC	3	0	0	3	3	Physical Sciences
3	B18ME2030	C Programming	HC	3	0	0	3	3	C&IT
4	B18ME2040	Manufacturing Technology	HC	3	0	0	3	3	ME
5	B18ME2050	Engineering Mechanics	HC	2	1	0	3	4	CE
6	B18ME2060	Constitution of India and Professional Ethics	FC	2	0	0	2	2	Legal Studies
7	B18ME2070	Technical English-II	FC	0	0	2	2	4	Humanity Science
8	B18ME2080	Applied Physics Lab	HC	0	0	2	2	3	Physical Sciences
9	B18ME2090	C Programming Lab	HC	0	0	2	2	3	C&IT
TOTAL CREDITS & CONTACT HOURS							**23**	**29**	

III SEMESTER

Sl. No	Course Code	Title of the Course	Type of Course	Credit Pattern & Credit Value				Contact Hours	Teaching School
				L	T	P	Total		
1	B18ME3010	Numerical Methods and Probability	HC	2	1	0	3	4	Physical Sciences
2	B18ME3020	Strength of Materials*	HC	3	0	1	4	4	ME
3	B18ME3030	Basic Thermodynamics	HC	4	0	0	4	4	ME
4	B18ME3040	Fluid Mechanics and Machinery*	HC	2	0	1	3	4	ME
Group-A									
5	B18ME3150	Material Science and Metallurgy	HC	3	0	0	3	3	ME
6	B18ME3160	Computer Aided Machine Drawing	HC	1	0	2	3	5	ME
7	B18ME3170	Materials Testing Lab	HC	0	0	2	2	3	ME
8	B18ME3180	Casting & Forging Lab	HC	0	0	2	2	3	ME
Group-B									
5	B18ME3250	Mechanical Measurements and Metrology	HC	3	0	0	3	3	ME
6	B18ME3260	Theory of Metal Cutting and Machine Tools	HC	3	0	0	3	3	ME
7	B18ME3270	Fluid Machinery Lab	HC	0	0	2	2	3	ME
8	B18ME3280	Machine Tools & Metrology Lab	HC	0	0	2	2	3	ME
9	B18ME3090	Placement Training-1	RULO	*0*	*0*	*2*	*2*	3	Placement
10	B18ME3X10	Sports/Yoga/Music/Dance/Theatre	RULO	*0*	*0*	*2*	*2*	2	Sports/ Arts
TOTAL CREDITS & CONTACT HOURS							**28**	**35**	

Note: 1. **Strength of Materials integrated with MAT Lab for practice session**

2. **Experiment on impact of jet on vanes and flow measurement is integrated with fluid mechanics & Fluid Machinery course, it should be done along with practice session of the theory.**

3. **Those who study Group A courses in III sem must study Group B courses in IV semester and those who study Group B courses in III sem must study Group A courses in IV semester**

IV SEMESTER

Sl. No	Course Code	Title of the Course	Type of Course	L	T	P	Total	Contact Hours	Teaching School
1	B18ME4010	Applied Mathematics	HC	2	1	0	3	4	Physical Science
2	B18ME4020	Kinematics of Machines	HC	4	0	0	4	4	ME
3	B18ME4030	Applied Thermodynamics	HC	3	1	0	4	4	ME
	Soft Core -1								
4	B18ME4041	Internal Combustion Engines	SC	3	0	0	3	3	ME
	B18ME4042	Advanced Materials		3	0	0	3	3	ME
	B18ME4043	Polymer Science		3	0	0	3	3	ME
	B18ME4044	Management & Entrepreneurship		3	0	0	3	3	ME
	B18ME4045	Object Oriented Programming with C++		2	0	1	3	4	C&IT
	Group-A								
5	B18ME4150	Material Science and Metallurgy	HC	3	0	0	3	3	ME
6	B18ME4160	Computer Aided Machine Drawing	HC	1	0	2	3	5	ME
7	B18ME4170	Materials Testing Lab	HC	0	0	2	2	3	ME
8	B18ME4180	Casting and Forging Lab	HC	0	0	2	2	3	ME
	Group-B								
5	B18ME4250	Mechanical Measurements and Metrology	HC	3	0	0	3	3	ME
6	B18ME4260	Theory of Metal Cutting & Machine Tools	HC	3	0	0	3	3	ME
7	B18ME4270	Fluid Machinery Lab	HC	0	0	2	2	3	ME
8	B18ME4280	Machine Tools & Metrology Lab	HC	0	0	2	2	3	ME
9	B18ME4090	Placement Training-2	RULO	*0*	*0*	*2*	*2*	3	Placement
		TOTAL CREDITS & CONTACT HOURS					**26**	**33**	

Note: Those who studied Group A courses in III sem must study Group B courses in IV semester; Those who studied Group B courses in III sem must study Group A courses in IV semester

V SEMESTER

Sl. No	Course Code	Title of the Course	Type of Course	L	T	P	Total	Contact Hours	Teaching School
				Credit Pattern & Credit Value					
1	B18ME5010	Design of Machine Elements	HC	3	1	0	4	5	ME
2	B18ME5020	Turbo Machines	HC	3	1	0	4	5	ME
3	**Soft Core -2**								
	B18ME5031	Power Plant Engineering	SC	3	0	0	3	3	ME
	B18ME5032	Composite Materials		3	0	0	3	3	ME
	B18ME5033	Hydraulics and Pneumatics		3	0	0	3	3	ME
	B18ME5034	Production Management		3	0	0	3	3	ME
	B18ME5035	Database Management System		2	0	1	3	4	C&IT
4	**Soft Core -3**								
	B18ME5041	Renewable Energy Resources	SC	3	0	0	3	3	ME
	B18ME5042	Theory of Elasticity		3	0	0	3	3	ME
	B18ME5043	Non Traditional Machining		3	0	0	3	3	ME
	B18ME5044	Materials Management		3	0	0	3	3	ME
	B18ME5045	Java programming		2	0	1	3	4	C&IT
	Group-A								
5	B18ME5150	Dynamics of Machines	HC	3	1	0	4	5	ME
6	B18ME5160	Metal Forming Process	HC	3	0	0	3	3	ME
7	B18ME5170	Heat Engines Lab	HC	0	0	2	2	3	ME
8	B18ME5180	Design and Dynamics Lab	HC	0	0	2	2	3	ME
	Group-B								
5	B18ME5250	Heat Transfer	HC	3	1	0	4	5	ME
6	B18ME5260	CAD/CAM/CIM	HC	3	0	0	3	3	ME
7	B18ME5270	Heat Transfer Lab	HC	0	0	2	2	3	ME
8	B18ME5280	CIM and Automation Lab	HC	0	0	2	2	3	ME
9	B18ME5090	Placement Training-3	RULO	*0*	*0*	*2*	*2*	3	Placement
	TOTAL CREDITS & CONTACT HOURS						**27**	**35**	

Note: Those who study Group A courses in V sem must study Group B courses in VI semester and those who study Group B courses in V sem must study Group A courses in VI semester

VI SEMESTER

Sl. No	Course Code	Title of the Course	Type of Course	Credit Pattern & Credit Value				Contact Hours	Teaching School
				L	T	P	Total		
1	B18ME6010	Design of Transmission Elements	HC	3	1	0	4	5	ME
2	**Soft Core -4**								
	B18ME6021	Bio-Mass Energy System	SC	3	0	0	3	3	ME
	B18ME6022	Mechanics of Composite Materials		3	0	0	3	3	ME
	B18ME6023	Robotics		3	0	0	3	3	ME
	B18ME6024	Theory of Plasticity		3	0	0	3	3	ME
	B18ME6025	Machine Learning Program using Python		2	0	1	3	4	C&IT
3	**Soft Core -5**								
	B18ME6031	Refrigeration and Air conditioning	SC	3	0	0	3	3	ME
	B18ME6032	Experimental Stress Analysis		3	0	0	3	3	ME
	B18ME6033	Statistical Quality Control		3	0	0	3	3	ME
	B18ME6034	Plant Layout and Material Handling		3	0	0	3	3	ME
	B18ME6035	Artificial Intelligence		3	0	0	3	3	C&IT
4	**Soft Core -6**								
	B18ME6041	Automotive Engineering	SC	3	0	0	3	3	ME
	B18ME6042	Fracture Mechanics		3	0	0	3	3	ME
	B18ME6043	Mechatronics and Microprocessor		3	0	0	3	3	ME
	B18ME6044	Industrial Engineering		3	0	0	3	3	ME
	B18ME6045	Flexible Manufacturing System		3	0	0	3	3	ME
Group-A									
5	B18ME6150	Dynamics of Machines	HC	3	1	0	4	5	ME
6	B18ME6160	Metal Forming Process	HC	3	0	0	3	3	ME
7	B18ME6170	Heat Engines Lab	HC	0	0	2	2	3	ME
8	B18ME6180	Design and Dynamics Lab	HC	0	0	2	2	3	ME
Group-B									
5	B18ME6250	Heat Transfer	HC	3	1	0	4	5	ME
6	B18ME6260	CAD/CAM/CIM	HC	3	0	0	3	3	ME
7	B18ME6270	Heat Transfer Lab	HC	0	0	2	2	3	ME
8	B18ME6280	CIM and Automation Lab	HC	0	0	2	2	3	ME
9	B18ME6090	Placement Training-4	RULO	*0*	*0*	*2*	*2*	3	Placement
		TOTAL CREDITS & CONTACT HOURS					**26**	**33**	

Note: Those who studied Group A courses in V sem must study Group B courses in VI semester;
Those who studied Group B courses in V sem must study Group A courses in VI semester

VII SEMESTER

Sl. No	Course Code	Title of the Course	Type of Course	L	T	P	Total	Contact Hours	Teaching School
				Credit Pattern & Credit Value					
1	B18ME7010	Finite Element Methods	HC	2	1	0	3	4	ME
2	B18ME7020	Control Engineering*	HC	3	0	1	4	5	ME
3	B18ME7030	Engineering Economics and Financial Management	HC	4	0	0	4	4	ME
		Soft Core – 7							
4	B18ME7041	Cryogenic Engineering	SC	3	0	0	3	3	ME
	B18ME7042	Tribology and Bearing Design		3	0	0	3	3	ME
	B18ME7043	Automation in Manufacturing		3	0	0	3	3	ME
	B18ME7044	Non Destructive Testing		3	0	0	3	3	ME
	B18ME7045	Safety Engineering		3	0	0	3	3	ME
		Soft Core – 8							
5	B18ME7051	Computational Fluid Dynamics	SC	2	1	0	3	4	ME
	B18ME7052	Mechanical Vibrations		2	1	0	3	4	ME
	B18ME7053	Operation Research		2	1	0	3	4	ME
	B18ME7054	Gas Turbines and Jet Propulsion		2	1	0	3	4	ME
	B18ME7055	Data Analytics using R-Programming		2	0	1	3	4	C&IT
6		**Open Elective****	OE	4	0	0	4	4	--
7	B18ME7070	Structural Analysis Lab	HC	0	0	2	2	3	ME
8	B18ME7080	Product Design and Concept Lab	HC	0	0	2	2	3	ME
		TOTAL CREDITS & CONTACT HOURS					**25**	**30**	

Note: 1. Control Engineering Course is integrated with MAT Lab for practice session.

2. Open Elective must be on line course from NPTEL/SWAYAM/COURSERA or any other

platform   approved by University

VIII SEMESTER

Sl. No	Course Code	Title of the Course	Type of Course	L	T	P	Total	Contact Hours	Teaching School
				Credit Pattern & Credit Value					
1		**Soft Core – 9**							
	B18ME8011	Electric Vehicles and Hybrid Vehicles	SC	3	0	0	3	3	ME
	B18ME8012	Advanced Foundry Technology		3	0	0	3	3	ME
	B18ME8013	Additive Manufacturing		3	0	0	3	3	ME
	B18ME8014	New Venture Planning and Management		3	0	0	3	3	ME
	B18ME8015	Project Management		3	0	0	3	3	ME
2		**Soft Core – 10**							
	B18ME8021	Energy Audit and Management	SC	3	0	0	3	3	ME
	B18ME8022	Advanced Machine Design		3	0	0	3	3	ME
	B18ME8023	MEMS		3	0	0	3	3	ME
	B18ME8024	Total Quality Management		3	0	0	3	3	ME
	B18ME8025	Internship		0	0	3	3	21days	--
3	B18ME8030	Project Work	HC	0	0	8	8	----	ME
4	B18ME8040	MOOC/Swayam/NPTEL *	RULO	3	0	0	3	----	---
		TOTAL CREDITS & CONTACT HOURS					17	06	
		TOTAL CREDITS OF I SEMESTER TO VIII SEMESTER					192		

1. **Student should do 21 days one internship or 15 days each 2 internship or they have to study the soft core -10**

2. **Each student has to undergo Certification Programme through MOOC from NPTEL/SWAYAM/COURSERA or any other platform approved by University**

Registrar
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Bengaluru - 560 064

M.Tech. (Digital Communication and Networking) Programme
Scheme of Instructions
(effective from Academic Year 2018)

FULL-TIME

Scheme of Instructions
2018-20

Sl No	Course Code	Course Title	HC/SC/OE	L	T	P	Total
FIRST SEMESTER							
1	M18DC1010	Wireless Mobile communication	HC	4	0	1	5
2	M18DC1020	Advanced Computer Networks	HC	4	0	1	5
3	M18DC1030	Probability and Random Processes	FC	4	0	0	4
4	M18DC1040	Network Security	HC	4	0	0	4
5	M18DC1051	Wireless Sensor Networks	SC1	4	0	0	4
	M18DC1052	Antenna Design and Diversity					
	M18DC1053	Statistical Signal Processing					
	M18DC1054	Distributed Computing					
6	M18DC1061	Mobile Adhoc Networks	SC2	4	0	0	4
	M18DC1062	Optical Communication And Networking					
	M18DC1063	Network Programming					
	M18DC1064	Multimedia Communication					
		Total Credits					**26**
SECOND SEMESTER							
1	M18DC2010	Channel Estimation and Modeling	HC	4	0	1	5
2	M18DC2020	Next Generation Networks	HC	4	0	1	5

3	M18DC2030	IoT and Cyber Physical Systems	HC	3	1	0	4
4	M18DC2040	Error Control and Coding	HC	3	1	0	4
5	M18DC2051	Wireless Network Standards	SC3	4	0	0	4
	M18DC2052	RF and Microwave Circuits					
	M18DC2053	Linux Kernel Programming					
	M18DC2054	Application Development					
	M18DC2055	DSP Algorithms for Communication Engineering					
6	M18DC2061	Digital Audio and Video Broadcasting	SC4	4	0	0	4
	M18DC2062	Consumer and Entertainment Electronics					
	M18DC2063	Network Modeling and Simulation					
	M18DC2064	Adaptive Signal Processing					
		Total Credits					**26**
		THIRD SEMESTER					
1	M18DC3011	Underwater Communication and Networking	SC5	4	0	0	4
	M18DC3012	NOC Design					
	M18DC3013	Wireless Testing and Automation					
	M18DC3014	Satellite Communication					
	M18DC3015	Software Defined Radio					
2	M18DC3021	Automotive Electronics Systems	OE	4	0	0	4
3	M18DC3030	Mini Project	HC	0	0	8	8
4	M18DC3040	Sports, Yoga, Music, Dance, Theatre	-	0	0	2	2
5	M18DC3050	MOOC / Swayam / Edx / Harvard / CM / Internship/Soft skill training	-	0	0	3	3
		Total Credits					**21**
		FOURTH SEMESTER					
1	M18DC4010	MOOC / Swayam / Edx / Harvard / CM / Internship/Soft skill training	-	0	0	3	3

2	M18DC4020	Project work and Dissertation	HC	0	0	20	20
		Total Credits					**23**
	Total Credits for four Semesters						**96**

HC = Hard Core: SC= Soft Core: OE = Open Elective;

B ARCH DEGREE PROGRAM

SCHEME OF INSTRUCTION FOR 2018 BATCH
(2018 to 2023) STUDENTS
FIRST SEMESTER

FIRST SEMESTER							
No	Course Code	Course Title	Type	L : P : D	Total Credits	Contact Hours	Evaluation
1	B18AR1010	Basic Design and Visual Art	PC	2:2:4	9	8	VV
2	B18AR1020	Structural Systems and Building Construction-I	BS	3:3:1	6	7	VV
3	B18AR1030	Architectural Representation-I	PC	1:3:1	4	5	TW
4	B18AR1040	History of Architecture - I	PC	3:0:0	3	3	SEE
5	B18AR1050	Environmental Studies	BS	2:0:0	2	2	SEE
6	B18AR1060	Technical English I	SE	0:4:0	2	4	SEE
Total Credits					**26**	**29**	
SECOND SEMESTER							
No	Course Code	Course Title	Type	L : P : D	Total Credits	Contact Hours	Evaluation
1	B18AR2010	Architectural Design – I	PC	2:2:4	9	8	VV
2	B18AR2020	Structural Systems and Building Construction-II	BS	3:3:1	6	7	VV
3	B18AR2030	Architectural Representation-II	PC	1:3:1	4	5	TW
4	B18AR2040	History of Architecture – II	PC	3:0:0	3	3	SEE
5	B18AR2050	Model Making/art appreciation	PE	1:2:0	2	3	INT
6	B18AR2060	Technical English II	SE	0:4:0	2	4	SEE
7	B18AR2070	Constitution of India	PC	2:0:0	2	2	SEE
Total Credits					**28**	**32**	

THIRD SEMESTER

No	Course Code	Course Title	Type	L : P : D	Total Credits	Contact Hours	Evaluation
1	B18AR3010	Architectural Design - II	PC	2:2:4	9	8	VV
2	B18AR3020	Structural Systems and Building Construction-III	BS	4:3:1	7	7	VV
3	MPA17F3910/ 20/30	Music/Dance/Theatre /Yoga /Sports	PE	2:0:0	2	2	SEE
4	B18AR3040	Building Services-I	BS	2:0:0	2	2	SEE
5	B18AR3050	History of Architecture- III -Hindu and Buddhist Architecture	PC	2:2:0	3	4	VV
6	B18AR3060	Site Survey and Planning	BS	2:1:0	2	3	SEE
7	B18AR3070	Computer Applications in Architectural design -I	SE	3:0:0	3	3	TW
Total Credits					28	29	

FOURTH SEMESTER

No	Course Code	Course Title	Type	L : P : D	Total Credits	Contact Hours	Evaluation
1	B18AR4010	Architectural Design - III	PC	2:2:4	9	8	VV
2	B18AR4020	Structural Systems and Building Construction-IV	BS	4:3:1	7	7	VV
3	B18AR4030	Climatology	BS	3:0:0	3	3	SEE
4	B18AR4040	Building Services -II	BS	2:0:0	2	2	SEE
5	B18AR4050	Housing	PC	3:0:0	3	3	SEE
6	B18AR4060	History of Architecture – IV Islamic Architecture	PC	2:2:0	3	4	VV
7	B18AR4070	Computer applications in Architectural design -II	SE	2:1:0	2	3	TW
Total Credits					29	30	

		FIFTH SEMESTER					
No	Course Code	Course Title	Type	L : P : D	Total Credits	Contact Hours	Evaluation
1	B18AR5010	Architectural Design - IV	PC	3:1:4	10	8	VV
2	B18AR5020	Structural systems and building construction-V	BS	4:2:2	8	8	VV
3	B18AR5030	Energy efficient Design	BS	1:2:0	2	3	TW
4	B18AR5040	Building services III	BS	2:0:0	2	2	SEE
5	B18AR5050	Theory of Architecture	PC	3:0:0	3	3	SEE
6	B18AR5060	History of Architecture IV-Contemporary Period	PC	3:0:0	3	3	VV
		Total Credits			28	27	
		SIXTH SEMESTER					
No	Course Code	Course Title	Type	L : P : D	Total Credits	Contact Hours	Evaluation
1	B18AR6010	Architectural Design - V	PC	3:1:4	10	8	VV
2	B18AR6020	Structural Systems and Building Construction-VI	BS	3:1:1	5	5	VV
3	B18AR6030	Working Drawings	PC	2:1:0	3	3	TW
4	B18AR6040	Building Services-IV	BS	2:1:0	2	3	SEE
5	B18AR6051/52	Research in Architecture/Contemporary Process in Architecture	PE	3:0:0	3	3	VV
6	B18AR6060	Urban Planning	PC	3:0:0	3	3	SEE
		Total Credits			26	25	

VII SEMESTER

No	Course Code	Course Title	Type	L : P : D	Total Credits	Contact Hours	Evaluation
1	B18AR7010	Architectural Design - VI	PC	3:0:6	12	9	VV
2	B18AR7020	Estimation & Costing	BS	3:0:0	3	3	SEE
3	B18AR7030	Professional Practice	PA	3:0:0	3	3	SEE
4	B18AR7040	Interior Design/graphic & Product Design	PE	2:1:0	3	3	VV
5	B18AR7051	Vernacular Architecture	PE	3:0:0	3	3	SEE
6	B18AR7052	Barrier free Architecture					
7	B18AR7061	Indian Art and Architectural Heritage	OE	3:0:0	3	3	SEE
8	B18AR7062	Fine arts	OE				
9	B18AR7063	Fundamentals of Interior Design	OE				
10	B18AR7070	SDL	PA	0:0:0	2	0	INT
		Total Credits			**29**	**24**	

Open Electives offered by School of Architecture for students of other Schools/ Discipline: Indian Art and Heritage/ Fine arts/Interior Design; The students of Architecture shall have to choose one of the Open Elective offered by other Schools.

VIII SEMESTER

No	Course Code	Course Title	Type	L : P : D	Total Credits	Contact Hours	Evaluation
1	B18AR8010	Architectural Design - VII	PC	2:0:7	13	9	VV
2	B18AR8020	Pre-Thesis	PC	0:4:0	2	4	INT
3	B18AR8030	Landscape design	PC	2:2:0	3	4	SEE
4	B18AR8041	Urban Design	PE	3:0:0	3	3	SEE
	B18AR8042	Conservation studies					
5	B18AR8051	Advanced Building Materials	PE	3:0:0	3	3	SEE
	B18AR8052	Real Estate and Valuation					
6	B18AR8060	Certification Course in Advanced Software	PA	0:4:0	2	32 HOURS CERTIFICATION	INT
7	B18AR8070	SDL - Entrepreneurship Development	PA	2:0:0	2	0 (Online 4 to 6 weeks)	INT
		Total Credits			**28**	**22**	

IX SEMESTER						
No	Course Code	Course Title	Type	Total Credits	Contact Hours	Evaluation
1	B18AR9010	Practical Training	PA	26	18 weeks	VV
	Total Credits			**26**		

No	Course Code	Course Title	Type	L-P-D	Total Credits	Contact Hours	Evaluation
1	B18ARX010	Thesis	PC	6:0:8	18	14	VV
2	B18ARX021	Architectural Journalism	PE	3:0:0	3	2	SEE
3	B18ARX022	Disaster Mitigation and Management					
4	B18ARX030	Construction Management	PA	3:0:0	3	3	SEE
5	B18ARX040	SDL	PA	2:0:0	2	0 (online 4 to 6 weeks)	INT
	Total Credits				**26**	**19**	
	Total Credits from 1 to 10 Semesters				**274**		

 i.L=lecture; P=Practice, Lab, Studio Exercise, Seminar; D=Design
 ii.1 hour of L = 1 Credit; 1 hour of P-Lab/ Seminar/Practice=1/2 credit, 1 hour of D = 1.5 Credit
iii.SDL – Self Directed Learning

SEE = Semester end Theory Exam, VV=Viva voce, INT= Continuous Internal Evaluation
PC= Professional Core (140-51.5%), BS= Building Services and Allied Engineering (58-21%)
SE=Skill Enhancement Courses (11-4%), PA= Professional ability courses (34-12%)
PE= Professional elective (27-10%), Open Electives (4-1.5%)
Total credits – 274.

Semester wise Credits Distribution

Sl. No.	Semester	Credits	Contact Hours
1	Semester - 1	26	29
2	Semester - 2	28	32
3	Semester - 3	28	29
4	Semester - 4	29	30
5	Semester - 5	28	27
6	Semester - 6	26	25
7	Semester - 7	29	24
8	Semester - 8	28	28
9	Semester - 9	26	16 to 18 weeks
10	Semester - 10	26	19
	Total	274	237

BBA (Industry Integrated) Program

Scheme of Instruction Detailed Syllabus

(Effective from Academic Year 2018-19)

Scheme of Instruction   **Duration: 6 Semesters (3 Years)**

Sl. No	Course Code	Title of the Course	HC/SC/SE/CC	L	T	P	Total
FIRST SEMESTER							
1	B18BB1010	Communicative English	CC	2	0	0	2
2	B18BB1021	Language – II: Kannada	CC				
3	B18BB1022	Language – II: Hindi	CC	2	0	0	2
4	B18BB1023	Language – II: Additional English	CC				
5	B18BB1030	Fundamentals of Accounting	HC	3	0	1	4
6	B18BB1040	Economics for Business	HC	3	1	0	4
7	B18BB1050	Introduction to Management	HC	3	1	0	4
8	B18BB1060	Indian Constitution and Human Rights	FC	2	0	0	2
9	B18BB1070	Skill Development Course	RULO	0	0	2	2
10	B18BB1080	Sports/Yoga/Dance/Music/Theatre	RULO	1	0	1	2
		Total Credits		**16**	**2**	**4**	**22**
SECOND SEMESTER							
1	B18BB2010	Communication English	CC	2	1	0	3
2	B18BB2021	Language – II: Kannada	CC				
3	B18BB2022	Language – II: Hindi	CC	2	0	0	2
4	B18BB2023	Language – II: Additional English	CC				
5	B18BB2030	Statistics for Management	HC	3	0	1	4
6	B18BB2040	Marketing Management	HC	3	1	0	4
7	B18BB2050	Organizational Behavior	SC	2	1	0	3
8	B18BB2060	Computer Applications in Business	FC	2	0	0	2
9	B18BB2070	Skill Development Course	RULO	0	0	2	2
10	B18BB2080	Self-study Component (online course)	RULO	0	0	2	2
11	B18BB2090	Summer Internship-I (Minor Project)	HC	0	0	4	4
		Total Credits		**14**	**3**	**09**	**26**
THIRD SEMESTER							
1	B18BB3010	Cost Accounting	HC	3	0	1	4
2	B18BB3020	Service Sector Management	HC	3	0	1	4
3	B18BB3030	Innovation Management	HC	2	1	0	3
4	B18BB3040	Human Resource Management	HC	2	1	0	3
5	B18BB3050	Environmental Studies	FC	2	0	0	2
6	B18BB3060	Open Elective – Career planning and Development	OE	3	1	0	4

7	B18BB3070	Skill Development Course	RULO	0	0	2	2
8	B18BB3080	Soft Skill Training (Placement Department)	RULO	0	0	2	2
		Total Credits		**15**	**3**	**6**	**24**

FOURTH SEMESTER

1	B18BB4010	Business Law	HC	3	0	1	4
2	B18BB4020	Financial Management	HC	3	0	1	4
3	B18BB4030	Soft Skill Training (Placement Department)	RULO	2	0	0	2
4	B18BB4040	Skill Development Course	RULO	0	0	2	2
5	B18BB4050	Self-study Component (online Course)	RULO	0	0	2	2
6	B18BB4060	Summer Internship-I (Minor Project)	HC	0	0	4	4

Specializations (Soft Core Courses (SC)); * Choose any ONE of the following specializations

I.	**Finance**						
II.	**Human Resource**						
III.	**Marketing**						
IV.	**Tourism**						

I.	**Finance Specialization**						
7	B18BB4111	Corporate Financial Policy	SC	2	1	0	3
	B18BB4112	International Finance	SC	2	1	0	3

II.	**Human Resource Specialization**						
8	B18BB4211	Strategic Human Resource Management	SC	2	1	0	3
	B18BB4212	Compensation Management	SC	2	1	0	3

III.	**Marketing Specialization**						
9	B18BB4311	Retail Management	SC	2	1	0	3
	B18BB4312	Consumer behaviour	SC	2	1	0	3

IV.	**Tourism Specialization.**						
10	B18BB4411	Introduction to tourism	SC	2	1	0	3
	B18BB4412	Tourism Geography	SC	2	1	0	3
		Total Credits		**12**	**2**	**10**	**24**

FIFTH SEMESTER

1	B18BB5010	Income Tax	HC	3	0	1	4
2	B18BB5020	Management Accounting	HC	3	0	1	4
3	B18BB5030	Business Research Methodology	HC	3	1	0	4
4	B18BB5040	Production and Operations Management	HC	2	0	1	3
5	B18BB5050	Soft Skill Training (Placement	RULO	2	0	0	2

		Department)					
6	B18BB5060	Skill Development Course	RULO	0	0	2	2

Specializations (Soft Core Courses(SC)); Choose any ONE of the following specialization

I. Finance Specialization

6	B18BB5111	Financial Markets and Services	SC	2	1	0	3
	B18BB5112	Security Analysis and Portfolio Management	SC	2	1	0	3

II. Human Resource Specialization

7	B18BB5211	Employee welfare & social security	SC	2	1	0	3
	B18BB5212	Organisational change & Development	SC	2	1	0	3

III. Marketing Specialization

8	B18BB5311	International Marketing	SC	2	1	0	3
	B18BB5312	Advertising	SC	2	1	0	3

IV. Tourism Specialization

9	B18BB5411	Travel agency and Tour operations	SC	2	1	0	3
	B18BB5412	Leisure and Recreation Tourism	SC	2	1	0	3
		Total Credits		**17**	**3**	**5**	**25**

SIXTH SEMESTER

1	B18BB6010	Goods and Service Tax	HC	3	1	0	4
2	B18BB6020	Entrepreneur Development Programme	HC	3	1	0	4
3	B18BB6030	Business Policy and Strategic Management	HC	3	1	0	4
4	B18BB6040	Project Management	HC	2	1	0	3
5	B18BB6050	Skill Development Course	RULO	0	0	2	2
6	B18BB6060	Major Project (Based on Specialization)	HC	1	0	5	6
		Total Credits		**12**	**4**	**7**	**23**
		Total Credits of all Semesters					**144**

Registrar
REVA University
Bengaluru - 560 064

Semester-wise Summary of Credit Distribution

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BBA (Honors) Program

Scheme of Instruction and Detailed Syllabus

(effective from Academic Year 2018-19)

Scheme of Instruction   **Duration: 6 Semesters (3 Years)**

Sl. No	Course Code	Title of the Course	HC/SC/ SE/CC	L	T	P	Total
FIRST SEMESTER							
1	B18BH1010	Communicative English	CC	1	0	1	2
2	B18BH1021	Language – II Kannada	CC				
3	B18BH1022	Language – II Hindi	CC	2	0	0	2
4	B18BH1023	Language – II Additional English	CC				
5	B18BH1030	Fundamentals of Accounting	HC	3	0	1	4
6	B18BH1040	Business Economics	HC	3	1	0	4
7	B18BH1050	Management Principles and Application	HC	3	1	0	4
8	B18BH1060	Indian Constitution and Human Rights	FC	2	0	0	2
9	B18BH1070	Skill Development Course	RULO	0	0	2	2
10	B18BH1080	Sports / Yoga / Dance / Music / Theatre	RULO	0	0	2	2
		Total Credits		14	02	06	22
SECOND SEMESTER							
1	B18BH2010	Communicative English	CC	2	0	0	2
2	B18BH2021	Language – II Kannada	CC				
3	B18BH2022	Language – II Hindi	CC	2	0	0	2
4	B18BH2023	Language – II Additional English	CC				
5	B18BH2030	Business Statistics	HC	3	0	1	4
6	B18BH2040	Principles of Marketing	HC	3	1	0	4
7	B18BH2050	Accounting for Business	HC	3	1	0	4
8	B18BH2060	Computer Applications in Business	FC	1	0	1	2
9	B18BH2070	MOOC / SWAYAM	RULO	0	0	2	2
10	B18BH2080	Skill Development Course	RULO	0	0	2	2
11	B18BH2090	Summer Internship – 1 (Minor Project)	HC	0	0	4	4
		Total Credits		14	02	10	26
THIRD SEMESTER							
1	B18BH3010	Organizational Psychology	HC	3	0	1	4
2	B18BH3020	Production and Operation Management	HC	3	1	0	4
3	B18BH3030	Fundamentals of Financial Management	HC	2	0	1	3
4	B18BH3040	International Business	HC	2	1	0	3
5	B18BH3050	Human Resource Management	HC	2	1	0	3
6	B18BH3060	Environmental Studies	FC	2	0	0	2
7	B18BH3070	Ethical Values For Business(Offered by School of Management to other schools)	OE	3	1	0	4
8	B18BH3080	Skill Development Course	RULO	0	0	2	2
9	B18BH3090	Soft Skill Training (Placement Department)	RULO	0	0	2	2

		Total Credits		17	04	6	27
FOURTH SEMESTER							
1	B18BH4010	Cost Accounting	HC	3	0	1	4
2	B18BH4020	Business Research Methodology	HC	3	1	0	4
3	B18BH4030	Business Law	HC	2	1	0	3
4	B18BH4040	Soft Skill Training (Placement Department)	HE	2	0	0	2
5	B18BH4050	Self-Study Component (Online Course)	HE	0	0	2	2
6	B18BH4060	Skill Development Course	RULO	0	0	2	2
7	B18BH4070	Summer Internship Project – 2	HC	0	0	4	4

Specializations (Soft Core Courses (SC)); Students shall choose any ONE of the following specializations.

I.	Finance						
II.	Human Resource						
III.	Marketing						
IV.	International Business						
V.	Entrepreneurship						

I.	**Finance**						
1	B18BH4111	Advanced Financial Management	SC	2	1	0	3
2	B18BH4112	Financial Markets & Services	SC	2	1	0	3
II. Human Resource							
1	B18BH4211	International Human Resource Management	SC	2	1	0	3
2	B18BH4212	Performance Management and Competency Mapping	SC	2	1	0	3
III. Marketing							
1	B18BH4311	Retail Management	SC	2	1	0	3
2	B18BH4312	Brand Management	SC	2	1	0	3
IV. International Business							
1	B18BH4411	Foreign Exchange Operations	SC	2	1	0	3
2	B18BH4412	International Business in Service Sector	SC	2	1	0	3
		Total Credits		14	04	09	27
FIFTH SEMESTER							
1	B18BH5010	Direct Taxes	HC	3	0	1	4
2	B18BH5020	Business Policy and Strategy	HC	3	1	0	4
3	B18BH5030	Project Management	HC	3	1	0	4
4	B18BH5040	Management Accounting	HC	2	1	0	3
5	B18BH5050	Soft Skill Training (Placement Department)	RULO	2	0	0	2
6	B18BH5060	Skill Development Course	RULO	0	0	2	2

Specializations (Soft Core Courses(SC)); Choose any ONE of the following specialization

I.	**Finance**						
3	B18BH5111	Stock and Commodity Market	SC	2	1	0	3

4	B18BH5112	International Financial Management	SC	2	1	0	3
II.	**Human Resource**						
3	B18BH5211	Talent Management	SC	2	1	0	3
4	B18BH5212	Organizational Change and Development	SC	2	1	0	3
III.	**Marketing**						
3	B18BH5311	Advertising	SC	2	1	0	3
4	B18BH5312	Consumer Behavior	SC	2	1	0	3
IV.	**International Business**						
3	B18BH5411	International Marketing		2	1	0	3
4	B18BH5412	Forex Management		2	1	0	3
		Total Credits		**17**	**05**	**03**	**25**

Semester-wise Summary of Credit Distribution

SIXTH SEMESTER

1	B18BH6010	Good and Services Tax (GST)	HC	3	0	1	4
2	B18BH6020	Operational Research for Managerial Decision	HC	3	1	0	4
3	B18BH6030	Marketing Metrics	HC	3	1	0	4
4	B18BH6040	New Venture Planning	HC	2	1	0	3
5	B18BH6050	Skill Development Course	RULO	0	0	2	2
6	B18BH6060	Major Project (Based on Specialization)	HC	1	0	5	6
		Total Credits		**12**	**03**	**08**	**23**
		Total Credits of all Semesters		**88**	**20**	**42**	**150**

Semesters	No. of Credits
First Semester	22
Second Semester	26
Third Semester	27
Fourth Semester	27
Fifth Semester	25
Sixth Semester	23
Total Credits	**150**

MBA (MASTER OF BUSINESS ADMINISTRATION)

DUAL SPECIALISATION PROGRAM

Scheme of Instruction

(Effective from Academic Year 2018-19)

Scheme of Instruction

Sl. No	Course Code	Course Title	Course Type	Credit Pattern L	T	P	Total	Contact
FIRST SEMESTER								
1	M18MB1010	Management and Organization Behaviour	HC	3	1	0	04	05
2	M18MB1020	Managerial Accounting	HC	3	0	1	04	05
3	M18MB1030	Marketing Management	HC	2	1	0	03	04
4	M18MB1040	Human Resource Management	HC	1	1	0	02	03
5	M18MB1050	Economics for Managers	HC	2	1	0	03	04
6	M18MB1060	Business Statistics	HC	3	0	1	04	05
7	M18MB1070	Skill Development	RULO	0	0	2	2	4
TOTAL							**22**	**30**
SECOND SEMESTER								
1	M18MB2010	Business Law and Ethics	HC	2	1	0	03	04
2	M18MB2020	Operations Research and Quantitative Analysis	HC	3	0	1	04	05
3	M18MB2030	Business Research Methods	HC	2	0	1	03	04
4	M18MB2040	Corporate Finance	HC	2	0	1	03	04
5	M18MB2050	Soft Skill Training	RULO	0	0	2	2	04
6	M18MB2060	MOOC / SWAYAM	RULO	2	0	0	2	-
7	M18MB2070	Minor Project (Summer Internship –I)	HC	0	0	4	4	8
8	M18MB2080	Skill Development	RULO	0	0	2	2	4
TOTAL							**23**	**33**

		THIRD SEMESTER						
1	M18MB3010	Innovation and Entrepreneurship	HC	1	1	0	02	03
2	M18MB3020	Introduction to Management	OE	3	1	0	4	05
3	M18MB3030	Soft Skill Training	RULO	0	0	2	2	04
4	M18MB3040	Skill Development	RULO	0	0	2	2	04
Specializations								

Note 1: Choose any three courses in any one of the specialization given below and two courses in the other specialization.

3. 1. Marketing Specialization								
3.1.1	M18MB3111	Consumer Behaviour	SC	2	1	0	03	04
3.1.2	M18MB3112	Services Marketing	SC	2	1	0	03	04
3.1.3	M18MB3113	Product and Brand Management	SC	2	1	0	03	04
3.1.4	M18MB3114	Rural Marketing	SC	2	1	0	03	04
3.2. Human Resource Specialization								
3.2.1	M18MB3211	Personnel Growth and Interpersonal Effectiveness	SC	2	1	0	03	04
3.2.2	M18MB3212	Legal Aspects and Industrial Relations	SC	2	1	0	03	04
3.2.3	M18MB3213	Strategic Talent Management	SC	2	1	0	03	04
3.2.4	M18MB3214	Leadership and Planning	SC	2	1	0	03	04
3.3. Finance Specialization								
3.3.1	M18MB3311	Mergers Acquisitions & Corporate Restructuring	SC	2	1	0	03	04
3.3.2	M18MB3312	Financial Markets and Services	SC	2	1	0	03	04
3.3.3	M18MB3313	Investment Analysis and Portfolio Management	SC	2	1	0	03	04
3.3.4	M18MB3314	Derivatives & Risk Management	SC	2	1	0	03	04
3.4. Banking and Insurance Specialization								
3.4.1	M18MB3411	Credit Management	SC	2	1	0	03	04
3.4.2	M18MB3412	Bank Management and Retail Banking operations	SC	2	1	0	03	04
3.4.3	M18MB3413	Fundamentals of Actuarial Science	SC	2	1	0	03	04
3.4.4	M18MB3414	Banking Laws and Practices	SC	2	1	0	03	04
3.5. Operations Management Specialization:								
3.5.1	M18MB3511	BPR &Enterprise Resource Planning	SC	2	1	0	03	04
3.5.2	M18MB3512	Supply Chain Management	SC	2	1	0	03	04
3.5.3	M18MB3513	Productions and Operations Management	SC	2	1	0	03	04
3.5.4	M18MB3514	Materials Management	SC	2	1	0	03	04

3.6. International Business Specialization:								
3.6.1	M18MB3611	Global Business Environment	SC	2	1	0	03	04
3.6.2	M18MB3612	International Banking	SC	2	1	0	03	04
3.6.1	M18MB3613	Overseas Buyer Behaviour	SC	2	1	0	03	04
3.6.2	M18MB3614	International Business Taxation	SC	2	1	0	03	04
Mass Communication Specialization:								
3.7.1	M18MB3711	Mass Communication & Media Studies	SC	2	1	0	03	04
3.7.2	M18MB3712	Digital Marketing	SC	2	1	0	03	04
3.7.1	M18MB3713	Visual Communication	SC	2	1	0	03	04
3.7.2	M18MB3714	Communicative Design & Writing	SC	2	1	0	03	04
Total							25	36
FOURTH SEMESTER								
1	M18MB4010	Strategic Management	HC	2	1	0	03	04
2	M18MB4020	Major Project	HC	0	2	4	6	10
3	M18MB4030	Skill Development	RULO	0	0	2	2	04
Specializations								

Note 1: Choose any three courses in any one of the specialization given below and two courses in the other specialization.

4. 1. Marketing Specialization								
4.1.1	M18MB4111	Customer Relationship Management	SC	2	1	0	03	04
4.1.2	M18MB4112	International Marketing	SC	2	1	0	03	04
4.1.3	M18MB4113	Integrated Marketing Communication	SC	2	1	0	03	04
4.1.4	M18MB4114	Retail Management	SC	2	1	0	03	04
4.2. Human Resource Specialization								
4.2.1	M18MB4211	International Human Resource Management	SC	2	1	0	03	04
4.2.2	M18MB4212	Organization Development and Change Management System	SC	2	1	0	03	04
4.2.3	M18MB4213	Learning and Development	SC	2	1	0	03	04
4.2.4	M18MB4214	HR Tools & Analytics	SC	2	1	0	03	04
4.3. Finance Specialization								
4.3.1	M18MB4311	Corporate Taxation for Business Decision	SC	2	1	0	03	04
4.3.2	M18MB4312	International Financial Management	SC	2	1	0	03	04

4.3.3	M18MB4313	Financial Modeling using Excel	SC	2	1	0	03	04
4.3.4	M18MB4314	Project Appraisal, Planning & Control	SC	2	1	0	03	04
4.4. Banking and Insurance Specialization								
4.4.1	M18MB4411	Fundamentals of Insurance	SC	2	1	0	03	04
4.4.2	M18MB4412	Treasury and Risk Management	SC	2	1	0	03	04
4.4.3	M18MB4413	Life and Non-Life Insurance Products	SC	2	1	0	03	04
4.4.4	M18MB4414	Developmental Banking Institutions	SC	2	1	0	03	04
4.5 Operations Management Specialization:								
4.5.1	M18MB4511	Total Quality Management	SC	2	1	0	03	04
4.5.2	M18MB4512	Technology and Innovation Management	SC	2	1	0	03	04
4.5.3	M18MB4513	World Class Manufacturing	SC	2	1	0	03	04
4.5.4	M18MB4514	Advanced Production Planning & Control	SC	2	1	0	03	04
4.6 International Business								
4.6.1	M18MB4611	International Trade Procedures and Documentation	SC	2	1	0	03	04
4.6.2	M18MB4612	International Strategic Management	SC	2	1	0	03	04
4.6.3	M18MB4613	International Capital Markets and Regulations	SC	2	1	0	03	04
4.6.4	M18MB4614	International Shipping and Trade Operations	SC	2	1	0	03	04
Total							26	38

Total Credits for MBA Program:

Semester	Credits
I	22
II	23
III	25
IV	26
TOTAL	**96**

SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

Bachelor of Computer Applications (BCA) Program
Scheme of Instruction and Detailed Syllabus - 2018 Batch

FIRST SEMESTER

Sl. No	Code	Title	HC/SC/FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1.	B18CA1011	Language –I: Kannada	FC	2	1	0	3	4
	B18CA1012	Language –I: Hindi	FC					
	B18CA1013	Language –I: Additional English	FC					
2.	B18CA1020	Communicative English – I	FC	2	1	0	3	4
3.	B18CA1030	Basic Mathematics	HC	4	0	0	4	4
4.	B18CA1040	Digital Logic and Computer Architecture	HC	2	1	0	3	4
5.	B18CA1050	Problem solving using C	HC	2	1	0	3	4
6.	B18CA1060	Environmental Studies	FC	2	0	0	2	2
Practical Courses								
7.	B18CA1070	C Programming Lab	HC	0	0	2	2	4
8.	B18CA1080	Digital Logic Lab	HC	0	0	2	2	4
Total				**14**	**4**	**4**	**22**	**30**

SECOND SEMESTER

Sl. No	Code	Title	HC/SC/FC	Credit Pattern			Credits	Working Hrs
				L	T	P		

Sl. No	Code	Title	HC/SC/FC	L	T	P	Credits	Working Hrs
1.	B18CA2011	Language –II: Kannada	FC					
	B18CA2012	Language –II: Hindi	FC	2	1	0	3	4
	B18CA2013	Language –II: Additional English	FC					
2.	B18CA2020	Communicative English – II	FC	2	1	0	3	4
3.	B18CA2030	Probability and Statistics	HC	4	0	0	4	4
4.	B18CA2040	Data Structures using C	HC	2	1	0	3	4
5.	B18CA2050	Object Oriented Programming using C++	HC	2	1	0	3	4
6.	B18CA2060	Indian Constitution & Professional Ethics	FC	2	0	0	2	2
7.	B18CA2070	Sports/Yoga/Music/Dance/Theatre	RULO	0	0	2	2	4
Practical Courses								
8.	B18CA2080	Data Structures Lab	HC	0	0	2	2	4
9.	B18CA2090	C++ Programming Lab	HC	0	0	2	2	4
Total				**14**	**4**	**6**	**24**	**32**

THIRD SEMESTER

Sl. No	Code	Title	HC/SC/FC	Credit Pattern			Credits	Working Hrs
				L	T	P		

Sl. No	Code	Title	HC/SC/FC		Credit Pattern		Credits	Working Hrs
1.	B18CA3010	Design & Analysis of Algorithms	HC	4	0	0	4	4
2.	B18CA3020	Computer Networks	HC	4	0	0	4	4
3.	B18CA3030	Java Programming	HC	2	1	0	3	4
4.	B18CA3040	Relational Database Management System	HC	2	1	0	3	4
5.	B18CA3050	System Software	HC	4	0	0	4	4
6.	B18CA3061	E-Commerce	SC	2	0	1	3	4
	B18CA3062	Principles of Accountancy						
	B18CA3063	Enterprise Resource Planning						
7.	B18CA3070	Soft Skills Training	RULO	2	0	0	2	2
Practical Courses								
8.	B18CA3080	Java programming Lab	HC	0	0	2	2	4
9.	B18CA3090	RDBMS Lab	HC	0	0	2	2	4
Total				**20**	**2**	**5**	**27**	**34**

FOURTH SEMESTER

Sl. No	Code	Title	HC/SC/FC	Credit Pattern	Credits	Working Hrs

Sl. No	Code	Title	HC/SC/FC	L	T	P	Credits	Working Hrs
1.	B18CA4010	Data Mining & Data Warehousing	HC	4	0	0	4	4
2.	B18CA4020	Software Engineering	HC	4	0	0	4	4
3.	B18CA4030	Operating Systems with Linux	HC	2	1	0	3	4
4.	B18CA4040	Python Programming	HC	2	1	0	3	4
5.	B18CA4051	Mobile Computing	SC	2	1	0	3	4
	B18CA4052	Computer Graphics						
	B18CA4053	Artificial Intelligence						
6.	B18CA4061	Cloud Computing	SC	2	1	0	3	4
	B18CA4062	Advanced Computer Networks						
	B18CA4063	Software Project Management						
7.	B18CA4070	Soft Skills Training	RULO	2	0	0	2	2
Practical Courses								
8.	B18CA4080	Linux Lab	HC	0	0	2	2	4
9.	B18CA4090	Python Programming Lab	HC	0	0	2	2	4
Total				18	4	4	26	34

FIFTH SEMESTER

Sl. No	Code	Title	HC/SC/FC	Credit Pattern	Credits	Working Hrs

Sl. No	Code	Title	HC/SC/FC	L	T	P	Credits	Working Hrs
1.	B18CA5010	OOAD Using UML	HC	4	0	0	4	4
2.	B18CA5020	.NET Programming using C#	HC	2	1	0	3	4
3.	B18CA5030	Web Technology	HC	2	1	0	3	4
4.	B18CA5041	Mobile App Development	SC	2	0	1	3	4
	B18CA5042	Computer Animation						
	B18CA5043	Machine Learning						
5.	B18CA5051	Software Testing & Quality Assurance	SC	2	1	0	3	4
	B18CA5052	Network Administration						
	B18CA5053	Cyber Security						
6.	B18CA5060	**Open Elective -** Fundamentals of Computer Programming & Office Automation	**OE**	**4**	**0**	**0**	**4**	**4**
7.	B18CA5070	Soft Skills Training	RULO	2	0	0	2	2
Practical Courses								
8.	B18CA5080	.NET Programming Lab	HC	0	0	2	2	4
9.	B18CA5090	Web Technology Lab	HC	0	0	2	2	4
Total				**18**	**3**	**5**	**26**	**34**

SIXTH SEMESTER

Sl. No	Code	Title	HC/SC/FC	Credit Pattern			Credits	Working Hrs
				L	T	P		

1	B18CA6011	Data Analytics using R	SC	2	0	1	3	4
	B18CA6012	Advanced Web Technologies						
2	B18CA6021	Internet Of Things	SC	2	1	0	3	4
	B18CA6022	Digital Marketing						
3	B18CA6030	Skill Development Program	RULO	2	0	0	2	2
4.	B18CA6040	MOOC/ Swayam	RULO	2	0	0	2	2
5.	B18CA6050	Project Work	HC	0	3	6	9	18
Total				8	4	7	19	30

CREDIT SUMMARY

Semester	Credits
First	22
Second	24
Third	27
Fourth	26
Fifth	26
Sixth	19
Total	**144**

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Bachelor of Science in Computer Science with specialization in Cloud Computing and Big Data
Scheme of Instructions

(effective from Academic Year 2018-19)

FIRST SEMESTER

SL. NO	Code	Title	HC/ SC/ FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	B18BS1010	Mathematics	HC	4	0	0	4	4
2	B18BS1020	Programming in C	HC	2	1	0	3	4
3	B18BS1030	Linux Foundation	HC	2	1	0	3	4
4	B18BS1040	Digital Logic Design &Computer Organization	HC	4	0	0	4	4
5	B18BS1050	Environmental Studies	FC	2	0	0	2	2
6	B18BS1060	Technical English	FC	2	0	1	3	4
7	B18BS1070	Sports/Music/Yoga/Dance	RULO	2	0	0	2	2
Practical Courses								
8.	B18BS1080	C Programming Lab	HC	0	0	2	2	4
9	B18BS1090	Linux Lab	HC	0	0	2	2	4
Total Credits				18	2	5	25	32

SECOND SEMESTER

SL. NO	Code	Title	HC/ SC/ FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	B18BS2010	Operating systems	HC	4	0	0	4	4
2	B18BS2020	Data Structures using C	HC	2	1	0	3	4
3	B18BS2030	Advanced Linux	HC	2	1	0	3	4
4	B18BS2040	Probability and statistics	HC	4	0	0	4	4
5	B18BS2050	Constitution of India & Professional Ethics	FC	2	0	0	2	2
Practical Courses								
6	B18BS2060	Data Structures Lab	HC	0	0	2	2	4
7	B18BS2070	Advanced Linux Lab	HC	0	0	2	2	4
Total Credits				**16**	**2**	**4**	**20**	**26**

THIRD SEMESTER

Sl.NO	Code	Title	HC /SC/ FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	B18BS3010	Cloud Computing and Virtualization Foundation	HC	3	0	1	4	5
2	B18BS3020	Object Oriented Programming with JAVA	HC	2	1	0	3	4
3	B18BS3030	Relational Database Management Systems	HC	2	1	0	3	4
4	B18BS3040	Data mining & Data warehousing	HC	4	0	0	4	4
5	B18BS3050	Computer Networks	HC	4	0	0	4	4
6	B18BS3061	Numerical methods	SC	2	1	0	3	4
	B18BS3062	Discrete Mathematical Structures						
7	B18BS3070	Soft skills	RULO	2	0	0	2	2
Practical Courses								
8	B18BS3080	Object Oriented Programming with JAVA Lab	HC	0	0	2	2	4
9	B18BS3090	RDBMS Lab	HC	0	0	2	2	4

Total Credits	19	3	5	27	35

FOURTH SEMESTER

Sl. No.	Code	Title	HC/SC/FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	B18BS4010	Cloud Computing Architecture and Design	HC	2	1	0	3	4
2	B18BS4020	Object Oriented Modelling and Design	HC	2	1	0	3	4
3	B18BS4030	Design and Analysis of Algorithms	HC	4	0	0	4	4
4	B18BS4040	Operations Research	HC	4	0	0	4	4
5	B18BS4051	Advanced Computer Networks	SC	2	1	0	3	4
	B18BS4052	Introduction to Data Science						
6	B18BS4060	Mooc/Swayam	RULO	4	0	0	4	4
7	B18BS4070	Soft skills	RULO	2	0	0	2	2
Practical Courses								
8	B18BS4080	Cloud Computing Architecture and Design Lab	HC	0	0	2	2	4
9	B18BS4090	Object Oriented Modelling and Design LAB	HC	0	0	2	2	4
Total Credits				**20**	**3**	**4**	**27**	**34**

FIFTH SEMESTER

Sl. No	Code	Title	HC/ SC/ FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	B18BS5010	Public Cloud platforms	HC	2	1	0	3	4
2	B18BS5020	Big Data Analytics using Hadoop	HC	3	0	1	4	5
3	B18BS5030	Programming with Python	HC	2	1	0	3	4
4	B18BS5041	Mobile Networks &Computing	SC	2	1	0	3	4
	B18BS5042	Information Security and Cryptography						
5	B18BS5051	Introduction to Web programming	SC	2	0	1	3	4
	B18BS5052	Data Science using Tableu						
6	B18BS5061	Cloud Databases	SC	2	1	0	3	4
	B18BS5062	Enterprise Resource Planning						
7	B18BS5070	Soft skills	RU LO	2	0	0	2	2
Practical Courses								
8	B18BS5080	AWS and Azure Public Cloud lab	HC	0	0	2	2	2
9	B18BS5090	Programming with Python lab	HC	0	0	2	2	2

Total Credits	15	4	6	25	
					31

SIXTH SEMESTER

Sl. No.	Code	Title	HC/SC/FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	B18BS6010	Automation Tools for Cloud Deployment	HC	3	0	1	4	5
2	B18BS6020	Building Private Cloud with Openstack	HC	2	1	0	3	4
3	B18BS6030	Big Data and Hadoop on AWS and Azure	HC	2	1	0	3	4
4	B18BS6040	Software Engineering	HC	4	0	0	4	4
5	B18BS6051	Wireless Sensor Networks	SC	2	1	0	3	4
	B18BS6052	Cyber security & Big data Security						
6	B18BS6061	Advanced Web Programming using Ruby	SC	2	0	1	3	4
	B18BS6062	Data Analytics using R						
7	B18BS6070	Soft Skills	RULO	2	0	0	2	2
Practical Courses								
8	B18BS6080	Big Data and Hadoop on AWS and Azure lab	HC	0	0	2	2	2
9	B18BS6090	Building Private Cloud with Openstack lab	HC	0	0	2	2	2
	Total Credits			**17**	**3**	**6**	**26**	**31**

S.NO	Code	Title	HC/ SC/ FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	B18BS7010	Deployment &Management of Private Cloud	HC	2	1	0	3	4
2	B18BS7020/ M18MS1010	Big Data Technologies on Google Cloud	HC	3	0	1	4	5
3	B18BS7030	Devops	HC	2	1	0	3	4
4	B18BS7040	Project Work – Phase-1	Others	0	2	2	4	8
5	B18BS7051	Software Project Management	SC	2	1	0	3	4
	B18BS7052/ M18MS1062	Advanced DBMS						
6	B18BS7061	Software Testing	SC	2	0	1	3	4
	B18BS7062	Machine Learning						
7	B18BS7071	Fundamentals of Cloud Computing*	OE	4	0	0	4	4
	B18BS7072	Basics of Data Analytics*	OE					
Practical Courses								
8	B18BS708	Deployment &Management of Private Cloud lab	HC	0	0	2	2	2
9	B18BS709	Devops lab	HC	0	0	2	2	2
		Total Credits		**15**	**5**	**8**	**28**	**37**

SEVENTH SEMESTER

Note: The Open Elective Courses offered are for students of other Schools: The students of School of Computer Science and Applications shall have to choose ONE Open Elective Course

Sl. No	Code	Title	HC/ SC/OE	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	B18BS7071	Fundamentals of Cloud Computing	OE	4	0	0	4	4
	B18BS7072	Basics of Data Analytics						

offered by any other School

Open Elective Courses offered to other Schools

EIGHTH SEMESTER

Sl. No	Code	Title	HC/SC/FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	B18BS8011	Cloud Storage using Open Stack Swift	SC	2	0	1	3	4
	B18BS8012/ M18MS2020	Linear Algebra						
2	B18BS8021	Internet of Things	SC	2	1	0	3	4
	B18BS8022/ M18MS2041	System Simulation and Modeling						
3	B18BS8030	Project Work– Phase-2	HC	0	4	4	8	16
		Total Credits		**4**	**5**	**5**	**14**	**24**

Credit Summary

Semester	Credits
First	22
Second	26
Third	28
Fourth	28
Fifth	24
Sixth	24
Seventh	25
Eighth	15
Total	192

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SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS
Master of Computer Science & Applications – MCA Programme
Scheme of Instructions – 2018

First Semester

Sl. No	Course Code	Title	HC/SC FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	M18CA1010	System software and Operating Systems	HC	4	0	0	4	4
2	M18CA1020	Mathematical Foundation For Computer Science	HC	4	0	0	4	4
3	M18CA1030	Programming using C	HC	2	1	0	3	4
4	M18CA1040	Web Technologies	HC	2	1	0	3	4
5	M18CA1050	Management Information System	HC	4	0	0	4	4
6	M18CA1060	Fundamentals of Computer Organization	HC	2	0	1	3	4
7	M18CA1070	Sports/ Yoga/ Music /Dance/ Theatre	RULO	2	0	0	2	2
Practical Courses								
8	M18CA1080	C Programming lab	HC	0	0	2	2	4
9	M18CA1090	Web Technologies lab	HC	0	0	2	2	4
Total Credits				20	2	5	27	34

Second Semester

Sl. No	Code	Title	HC/ SC FC	Credit Pattern L	T	P	Credits	Working Hrs
1	M18CA2010	Object Oriented Programming using C++	HC	4	0	0	4	4
2	M18CA2020	Advanced Communicative English - I	FC	4	0	0	4	4
3	M18CA2030	Relational Database Management Systems	HC	2	1	0	3	4
4	M18CA2040	Data Structures and its Applications	HC	2	1	0	3	4
5	M18CA2050	Operations Research	HC	4	0	0	4	4
6	M18CA2060	Software Engineering	HC	4	0	0	4	4
Practical Courses								
7	M18CA2070	DS using C/ C++ lab	HC	0	0	2	2	4
8	M18CA2080	RDBMS Lab	HC	0	0	2	2	4
Total Credits				20	2	4	26	32

Third Semester

Sl. No	Code	Title	HC/SC FC	Credit Pattern L	T	P	Credits	Working Hrs
1	M18CA3010	Data Mining and Data Warehousing	HC	2	1	0	3	4

				L	T	P	Cr	H
2	M18CA3020	Computer Networks	HC	4	0	0	4	4
3	M18CA3030	Linux Programming	HC	2	1	0	3	4
4	M18CA3040	Artificial Intelligence	HC	4	0	0	4	4
5	M18CA3051	Advanced Web Technology	SC	2	0	1	3	4
	M18CA3052	Advanced Database Systems						
6	M18CA3061	Cloud Computing	SC	2	0	1	3	4
	M18CA3062	Software Testing and Quality Assurance						
7	M18CA3070	Soft Skills	RULO	2	0	0	2	2
Practical Courses								
8	M18CA3080	Linux Lab	HC	0	0	2	2	4
9	M18CA3090	CN Lab using NS2	HC	0	0	2	2	4
Total Credits				18	2	6	26	34

Sl. No	Code	Title	HC/ SC/ FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	M18CA4010	Design and Analysis of Algorithms	HC	4	0	0	4	4
2	M18CA4020	.NET Framework and Applications	HC	2	1	0	3	4
3	M18CA4030	Java Programming	HC	2	1	0	3	4
4	M18CA4040	Big Data Analytics Using R	HC	3	0	1	4	5
5	M18CA4051	Machine Learning	SC	2	1	0	3	4
	M18CA4052	Cyber Law and IT security						
6	M18CA4061	NOSQL	SC	2	0	1	3	4
	M18CA4062	Advanced Computer Networks using Linux						
7	M18CA4070	Soft Skills	RULO	2	0	0	2	2
Practical Courses								
8	M18CA4080	Java Lab	HC	0	0	2	2	4
9	M18CA4090	.NET Lab	HC	0	0	2	2	4
Total Credits				17	3	6	26	35

Fourth Semester

Fifth Semester

Sl. No	Code	Title	HC/SC FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	M18CA5010	Python Programming	HC	2	1	0	3	4
2	M18CA5020	Software Project Management	HC	2	1	0	3	4
3	M18CA5030	J2EE & J2ME Using Design Patterns	HC	2	1	0	3	4
4	M18CA5041	Internet of Things	SC	2	1	0	3	4
	M18CA5042	Mobile Computing and APP store Management						
5	M18CA5051	Deep Learning concepts & techniques	SC	2	1	0	3	4
	M18CA5052	System Simulation and Modelling						
6	M18CA5060	**Open Elective – Digital Marketing**	OE	4	0	0	4	4
7	M18CA5070	Swayam/MOOC	RULO	4	0	0	4	4
Practical Courses								
8	M18CA5080	Python Programming Lab	HC	0	0	2	2	4
9	M18CA5090	J2EE & J2ME Using Design Patterns Lab	HC	0	0	2	2	4
Total Credits				18	5	4	27	36

Sixth Semester

Sl. No	Code	Title	HC/ SC FC	Credit Pattern			Credits
				L	T	P	
1	M18CA6010	Internship / Global Certification	HC	2	0	2	4
2	M18CA6020	Major Project	HC	0	0	8	8
		Total		**2**	**0**	**10**	**12**

Note: Internship/ Global Certification + Project = 4+8

CREDIT SUMMARY

Semester	Credits
First	27
Second	26
Third	26
Fourth	26
Fifth	27
Sixth	12
Total	**144**

School of Computer Science and Applications
Master of Science in Computer Science – MS (CS) Programme

Scheme of Instructions – 2018 Batch

FIRST SEMESTER

Sl. No	Course Code	Course Title	HC/SC/FC	L	T	P	Credits	Working Hrs
1	M18MS1010	Big Data Analytics	HC	3	0	1	4	5
2	M18MS1020	OOP with JAVA	HC	4	0	0	4	4
3	M18MS1030	Data Mining and Knowledge Discovery	HC	4	0	0	4	4
4	M18MS1040	Advanced Computer Networks	HC	4	0	0	4	4
5	M18MS1050	Probability & Statistics	HC	4	0	0	4	4
6	M18MS1061	Advanced Operating Systems	SC	2	1	0	3	4
	M18MS1062	Advanced DBMS						
7	M18MS1070	Sports/Yoga/Music/Dance/Theatre	RULO	2	0	0	2	2
8	M18MS1080	JAVA Lab	HC	0	0	2	2	4
9	M18MS1090	Data Mining Lab	HC	0	0	2	2	4
	Total Credits			**23**	**1**	**5**	**29**	**35**

SECOND SEMESTER

Sl. No	Course Code	Course Title	HC/SC FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	M18MS2010	Machine Learning using Python	HC	4	0	0	4	4
2	M18MS2020	Angular JS	HC	4	0	0	4	4
3	M18MS2030	Big Data with NoSQL	HC	4	0	0	4	4
4	M18MS2041	System Modelling and Simulation	SC	2	1	0	3	4
	M18MS2042	Internet of Things						
5	M18MS2051	Pattern Recognition	SC	2	1	0	3	4
	M18MS2052	Social Network analysis						
6	M18MS2061	Service Oriented Architecture	SC	2	1	0	3	4
	M18MS2062	Business Intelligence						
7	M18MS2070	Soft Skill	RULO	2	0	0	2	2
8	M18MS2080	Python lab	HC	0	0	2	2	4
9	M18MS2090	Angular JS Lab	HC	0	0	2	2	4
		Total Credits		**20**	**3**	**4**	**27**	**34**

THIRD SEMESTER

Sl. No	Course Code	Course Title	HC/SC FC	Credit Pattern			Credits	Working Hrs
				L	T	P		
1	M18MS3010	Cloud Computing	HC	4	0	0	4	4
2	M18MS3021	Mobile Computing and APP store Management	SC	2	1	0	3	4
	M18MS3022	Deep Learning Techniques						
3	M18MS3031	Multivariate Methods for Data Analysis	SC	2	0	1	3	4
	M18MS3032	Advanced Web Technologies						
4	M18MS3040	Open Elective	OE	4	0	0	4	4
5	M18MS3050	Soft Skill	RULO	2	0	0	2	2
6	M18MS3060	Minor Project	HC	3	0	3	6	9
7	M18MS3070	MOOC/SWAYAM	RULO	4	0	0	4	4
Total Credits				**21**	**1**	**4**	**26**	**31**

FOURTH SEMESTER

Sl .No	Course Code	Title of the Course	Credit Pattern L:T:P	Credits	Working Hrs
1	M18MS4010	Internship/ Certification	2:0:2	4	6
2	M18MS4020	Major Project	0:0:10	10	20
Total Credits			**2:0:12**	**14**	**26**

* Note:

1. Project Work and Dissertation will be mandatory of 10 Credits

2. The student can select either Internship or Certification Course for 4 Credits.

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Bengaluru - 560 064

B. COM -INDUSTRY INTEGRATED PROGRAM

Scheme of Instruction and Detailed Syllabus

(Effective from the Acaemic Year 2018 -19)

Scheme of Instruction   **Duration: 6 Semesters (3 Years)**

Sl. No	Course Code	Title of the Course	HC/SC/ SE/CC	L	T	P	Total	Total Hours
FIRST SEMESTER								
1	B18BC1010	Communicative English	CC	2	0	0	2	2
2	B18BC1021	Language – II: Kannada	CC					
3	B18BC1022	Language – II: Hindi	CC	2	0	0	2	2
4	B18BC1023	Language – II: Additional English	CC					
5	B18BC1030	Financial Accounting	HC	3	0	1	4	5
6	B18BC1040	Indian Economy	HC	3	1	0	4	5
7	B18BC1050	Management of Banks	HC	3	1	0	4	5
8	B18BC1060	Indian Constitution and Human Rights	FC	2	0	0	2	3
9	B18BC1070	Skill Development Course	RULO	0	0	2	2	2
10	B18BC1080	Sports/Yoga/Dance/Music/ Theatre	RULO	0	0	2	2	2
		Total Credits		**14**	**2**	**6**	**22**	
SECOND SEMESTER								
1	B18BC2010	Business Communication	HC	2	1	0	3	4
2	B18BC2021	Language – II: Kannada	CC					
3	B18BC2022	Language – II: Hindi	CC	2	0	0	2	2
4	B18BC2023	Language – II: Additional English	CC					
5	B18BC2030	Business Statistics	HC	3	0	1	4	5
6	B18BC2040	Corporate Accounting –I	HC	3	0	1	4	5
7	B18BC2050	Human Resources Management	HC	2	1	0	3	4
8	B18BC2060	Environmental Studies	FC	2	0	0	2	2
9	B18BC2070	Skill Development Course	RULO	0	0	2	2	2
10	B18BC2080	MOOC / SWAYAM	RULO	0	0	2	2	2
11	B18BC2090	Minor Project -I (Summer Internship)	HC	0	0	4	4	4
		Total Credits		**14**	**2**	**10**	**26**	
THIRD SEMESTER								
1	B18BC3010	Cost Accounting	HC	3	0	1	4	5
2	B18BC3020	Corporate Accounting-II	HC	3	0	1	4	5
3	B18BC3030	Auditing and Corporate Governance	HC	2	1	0	3	4

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4	B18BC3040	Marketing Management	HC	2	1	0	3	4
5	B18BC3050	Computer Applications in Business	FC	1	0	1	2	2
6	B18BC3060	Open Elective – E-Commerce	OE	3	1	0	4	5
7	B18BC3070	Skill Development Course	RULO	0	0	2	2	2
8	B18BC3080	Soft Skill Training (Placement Department)	RULO	0	0	2	2	2
Total Credits				**15**	**3**	**6**	**24**	
FOURTH SEMESTER								
1	B18BC4010	Costing Methods	HC	3	0	1	4	5
2	B18BC4020	Financial Management	HC	3	0	1	4	5
3	B18BC4030	Soft Skill Training (Placement Department)	RULO	0	0	2	2	2
4	B18BC4040	Skill Development Course	RULO	0	0	2	2	2
5	B18BC4050	MOOC / SWAYAM	RULO	0	0	2	2	2
6	B18BC4060	Minor Project -II (Summer Internship)	HC	0	0	4	4	4

Specializations (Soft Core Courses(SC)); * Choose any ONE of the following specializations

I.	**Accounting and Taxation Specialization**							
II.	**Finance Specialization**							
III.	**Banking and Insurance Specialization**							
IV.	**Human Resource Specialization**							
V.	**Marketing Specialization**							

I.	**Accounting and Taxation Specialization**							
7	B18BC4111	Advanced Accounting	SC	2	0	1	3	4
	B18BC4112	Goods and Services Tax	SC	2	0	1	3	4
II.	**Finance Specialization**							
8	B18BC4211	Corporate Financial Policy	SC	2	0	1	3	4
	B18BC4212	International Finance	SC	2	1	0	3	4
III.	**Banking and Insurance Specialization**							
9	B18BC4311	Introduction to Banking and Insurance	SC	2	1	0	3	4
	B18BC4312	International Banking and Forex Management	SC	2	1	0	3	4
IV.	**Human Resource Specialization**							
10	B18BC4411	Strategic Human Resource Management	SC	2	1	0	3	4
	B18BC4412	Compensation Management	SC	2	1	0	3	4
V.	**Marketing Specialization**							

11	B18BC4511	Retail Marketing	SC	2	1	0	3	4
	B18BC4512	Consumer Behaviour	SC	2	1	0	3	4
		Total Credits		**10**	**2**	**12**	**24**	

FIFTH SEMESTER

1	B18BC5010	Tax Law and Practices-I	HC	3	0	1	4	5
2	B18BC5020	Management Accounting	HC	3	0	1	4	5
3	B18BC5030	Business Research Methodology	HC	3	1	0	4	5
4	B18BC5040	E-Commerce and Tally	HC	2	0	1	3	4
5	B18BC5050	Soft Skill Training (Placement Department)	RULO	0	0	2	2	2
6	B18BC5060	Skill Development Course	RULO	0	0	2	2	2

Specializations (Soft Core Courses(SC)); Choose any ONE of the following specialization

		I. Accounting and Taxation Specialization						
6	B18BC5111	Goods and Services Tax & Custom Law	SC	2	0	1	3	4
	B18BC5112	International Financial Reporting Standards and Ind-AS	SC	2	1	0	3	4
		II. Finance Specialization						
7	B18BC5211	Financial Markets and Services	SC	2	1	0	3	4
	B18BC5212	Security Analysis and Portfolio Management	SC	2	0	1	3	4
		III. Banking and Insurance Specialization						
8	B18BC5311	Laws Related to Banking and Insurance	SC	2	1	0	3	4
	B18BC5312	Customer Relationship Management in Banking and Insurance.	SC	2	1	0	3	4
		IV. Human Resource Specialization						
9	B18BC5411	Employee Welfare and Social Security	SC	2	1	0	3	4
	B18BC5412	Organizational Change and Development	SC	2	1	0	3	4
		V. Marketing Specialization						
10	B18BC5511	International Marketing	SC	2	1	0	3	4
	B18BC5512	Advertising and Media Management	SC	2	1	0	3	4
		Total Credits		**17**	**3**	**5**	**25**	

SIXTH SEMESTER

1	B18BC6010	Tax Law and Practices-II	HC	3	0	1	4	5
2	B18BC6020	Legal System in Business	HC	3	1	0	4	5
3	B18BC6030	Business Policy and Strategic	HC	3	1	0	4	5

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		Management						
4	B18BC6041	Entrepreneurship Development	HC	2	1	0	3	4
5	B18BC6050	Skill Development Course	RULO	0	0	2	2	2
6	B18BC6060	Major Project (Based on Specialization)	HC	1	0	5	6	6
		Total Credits		**12**	**3**	**8**	**23**	
		Total Credits of all Semesters					**144**	

Semester-wise Summary of Credit Distribution

Semesters	No. of Credits
First Semester	22
Second Semester	26
Third Semester	24
Fourth Semester	24
Fifth Semester	25
Sixth Semester	23
Total Credits	**144**

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Bengaluru - 560 064

B. COM – HONORS

(Effective from Academic year 2018-19)

Scheme of Instruction   **Duration: 6 Semesters (3 Years)**

Sl. No	Course Code	Title of the Course	HC/SC/ SE/CC/RULO	L	T	P	Total	Total Hours
FIRST SEMESTER								
1	B18CH1010	Communicative English I	CC	2	0	0	2	2
2	B18CH1021/22/ 23	Language – II: K / H / AE	CC	2	0	0	2	2
3	B18CH1030	Financial Accounting	HC	3	0	1	4	5
4	B18CH1040	Industrial Economy of India	HC	3	1	0	4	5
5	B18CH1050	Statistics for Business –I	HC	3	0	1	4	5
6	B18CH1060	Indian Constitution and Human Rights	FC	2	0	0	2	2
7	B18CH1070	Skill Development Course	RULO	0	0	2	2	2
8	B18CH1080	Sports/Yoga/Dance/Music/Theatre	RULO	0	0	2	2	4
		Total Credits		**1**	**2**	**6**	**22**	**27**
SECOND SEMESTER								
1	B18CH2010	Communicative English II	CC	2	0	0	2	2
2	B18CH2021/22/ 23	Language – II: K / H / AE	CC	2	0	0	2	2
3	B18CH2030	Statistics for Business –II	HC	3	0	1	4	5
4	B18CH2040	Corporate Accounting –I	HC	3	0	1	4	5
5	B18CH2050	Office Management and Secretarial Practice	HC	3	1	0	4	5
6	B18CH2060	Environmental and Public Health	FC	2	0	0	2	2
7	B18CH2070	Skill Development Course	RULO	0	0	2	2	2
8	B18CH2080	Self-study Component (online course)	RULO	0	0	2	2	4
9	B18CH2090	Minor Project -I (Summer Internship)	HC	0	0	4	4	8
		Total Credits		**15**	**1**	**10**	**26**	**35**
THIRD SEMESTER								
1	B18CH3010	Corporate Accounting –II	HC	3	0	1	4	5
2	B18CH3020	Cost Accounting	HC	3	0	1	4	5
3	B18CH3030	Marketing Management	SC	2	1	0	3	4
4	B18CH3040	Principle of Banking	SC	2	1	0	3	4
5	B18CH3050	Human Resources Management	SC	2	1	0	3	4
6	B18CH3060	Computer Applications in Business	FC	2	0	0	2	2
7	B18CH3070	Open Elective – Personality Development and Leadership.	OE	3	1	0	4	5

8	B18CH3080	Skill Development Course	RULO	0	0	2	2	4
9	B18CH3090	Soft Skill Training (Placement Department)	RULO	0	0	2	2	4
	Total Credits			**17**	**4**	**6**	**27**	**37**

FOURTH SEMESTER

1	B18CH4010	Fundamentals of Financial Management	HC	3	0	1	4	5
2	B18CH4020	Methods and Techniques of Costing	HC	3	0	1	4	5
3	B18CH4030	Goods and Services Tax	SC	2	1	0	3	4
4	B18CH4040	Soft Skill Training (Placement Department)	SE	0	0	2	2	4
5	B18CH4050	Skill Development Course	RULO	0	0	2	2	4
6	B18CH4060	Self-study Component (online Course)	RULO	0	0	2	2	4
7	B18CH4070	Minor Project -II (Summer Internship)	HC	0	0	4	4	8

Specializations (Soft Core Courses(SC)); * Choose any ONE of the following specializations

VI.	Accounting							
VII.	Finance							
VIII.	International Business							
IX.	Human Resource							
X.	Marketing							
XI.	Capital Markets							

I.   Accounting Specialization

8	B18CH4111	Advanced Accounting	SC	2	0	1	3	4
	B18CH4112	IFRS and Ind-AS	SC	2	1	0	3	4

II.   Finance Specialization

9	B18CH4211	Stock and Commodity Market	SC	2	1	0	3	4
	B18CH4212	Financial Derivatives	SC	2	1	0	3	4

III.   International Business Specialization

10	B18CH4311	International Business Environment	SC	2	1	0	3	4
	B18CH4312	Forex Management	SC	2	1	0	3	4

IV. Human Resources Specialization

11	B18CH4411	International Human Resources Management	SC	2	1	0	3	4
	B18CH4412	Industrial Relations and Labour law	SC	2	1	0	3	4

		V. Marketing Specialization							
12	B18CH4511	Brand Management	SC	2	1	0	3	4	
	B18CH4512	Marketing Metrics	SC	2	1	0	3	4	
		Total Credits		12	3	12	**27**	**42**	
FIFTH SEMESTER									
1	B18CH5010	Income Tax and Practice –I	HC	3	0	1	4	5
2	B18CH5020	Management Accounting	HC	3	0	1	4	5
3	B18CH5030	Business Research Methodology	HC	3	1	0	4	5
4	B18CH5040	Auditing and Corporate Governance	SC	2	1	0	3	4
5	B18CH5050	Soft Skill Training (Placement Department)	RULO	0	0	2	2	4
6	B18CH5060	Skill Development Course	RULO	0	0	2	2	4
Specializations (Soft Core Courses(SC)); Choose any ONE of the following specialization									
I. Accounting Specialization									
7	B18CH5111	Accounting Theory and Standards	SC	2	0	1	3	4
	B18CH5112	Corporate Financial Reporting	SC	2	1	0	3	4
II. Finance Specialization									
8	B18CH5211	Financial Markets and Services	SC	2	1	0	3	4
	B18CH5212	Corporate Financial Policy	SC	2	1	0	3	4
III. International Business Specialization									
9	B18CH5311	IMPEX Procedures and Documentation	SC	2	1	0	3	4
	B18CH5312	International Financial Institutions and Markets	SC	2	1	0	3	4
IV. Human Resources Specialization									
10	B18CH5411	Talent Management	SC	2	1	0	3	4
	B18CH5412	HR Analytics	SC	2	1	0	3	4
V. Marketing Specialization									
11	B18CH5511	Service Marketing	SC	2	1	0	3	4
	B18CH5512	Rural Marketing	SC	2	1	0	3	4
		Total Credits		17	3	5	**25**	**35**	
SIXTH SEMESTER									
1	B18CH6010	Income Tax and Practice –II	HC	3	0	1	4	5

2	B18CH6020	Legal Aspects of Business	HC	3	1	0	4	5
3	B18CH6030	Entrepreneurship Development	HC	3	1	0	4	5
4	B18CH6040	International Operations Management	SC	2	1	0	3	4
5	B18CH6050	Skill Development Course	RULO	0	0	2	2	2
6	B18CH6060	Major Project (Based on Specialization)	HC	1	0	5	6	11
		Total Credits		12	3	8	**23**	**32**
		Total Credits of all Semesters					**150**	

Semester-wise Summary of Credit Distribution

Semesters	No. of Credits
First Semester	22
Second Semester	26
Third Semester	27
Fourth Semester	27
Fifth Semester	25
Sixth Semester	23
Total Credits	**150**

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M Com (MASTER OF COMMERCE)
Scheme of Instruction

(Effective from Academic Year 2018-19)

Sl No	Course Code	Title of the Course	HC SC OE	L	T	P	Total	Contact Hrs
				Credit Pattern				**Contact Hrs**
FIRST SEMESTER								
1	M18MC1010	International Economics	HC	2	1	0	3	4
2	M18MC1020	Advanced Accounting	HC	3	0	1	4	5
3	M18MC1030	Operations Research and Quantitative Techniques	HC	3	0	1	4	5
4	M18MC1040	Business Ethics and Corporate Governance	HC	2	1	0	3	4
5	M18MC1050	Human Resource Management	HC	2	1	0	3	4
6	M18MC1060	International Business	HC	2	1	0	3	4
7	M18MC1070	Skill Development Course	RULO	0	0	2	2	4
		Total Credits		**14**	**4**	**4**	**22**	**30**
SECOND SEMESTER								
1	M18MC2010	Advanced Cost Accounting	HC	3	0	1	4	5
2	M18MC2020	Strategic Financial Management	HC	3	0	1	4	5
3	M18MC2030	Corporate Tax Planning and Management	HC	3	0	1	4	5
4	M18MC2040	Marketing Management	HC	3	1	0	4	5
5	M18MC2050	Soft Skill Training	RULO	0	0	2	2	4
6	M18MC2060	MOOC / SWAYAM	RULO	2	0	0	2	-
7	M18MC2070	Summer Internship	HC	0	0	2	2	4
8	M18MC2080	Skill Development Course	RULO	0	0	2	2	4
		Total Credits		**14**	**1**	**09**	**24**	**32**

THIRD SEMESTER

1	M18MC3010	Business Research Methods	HC	2	0	1	3	4
2	M18MC3020	Introduction to Financial Management	OE	3	1	0	4	5
4	M18MC3030	Soft Skill	RULO	0	0	2	2	4
5	M18MC3040	Skill Development Course	RULO	0	0	2	2	4

Specializations

Note 1: Choose any THREE courses in any ONE of the Specialization given below and TWO courses in the other Specialization.

	ACCOUNTING							
1	M18MC3150	Advanced Management Accounting	SC	2	0	1	3	4
2	M18MC3160	Mergers and Acquisitions	SC	2	0	1	3	4
3	M18MC3170	Financial Statement Analysis	SC	2	0	1	3	4
4	M18MC3180	Advanced Auditing	SC	2	0	1	3	4
	FINANCE							
1	M18MC3250	Security Analysis and Portfolio Management	SC	2	0	1	3	4
2	M18MC3260	Financial Derivatives	SC	2	0	1	3	4
3	M18MC3270	Financial Markets and Services	SC	2	0	1	3	4
4	M18MC3280	Advanced Capital Structure Theories	SC	2	0	1	3	4
	HUMAN RESOURCE MANAGEMENT							
1	M18MC3350	Organization Development and Change	SC	2	0	1	3	4
2	M18MC3360	Human Resource Development	SC	2	0	1	3	4
3	M18MC3370	Talent and Knowledge Management	SC	2	0	1	3	4
4	M18MC3380	Strategic Human Resource Management	SC	2	0	1	3	4
	MARKETING							
1	M18MC3450	Service Marketing	SC	2	0	1	3	4
2	M18MC3460	Customer Relationship Management	SC	2	0	1	3	4
3	M18MC3470	Rural Marketing	SC	2	0	1	3	4
4	M18MC3480	Retail Management	SC	2	0	1	3	4
	INTERNATIONAL BUSINESS							

1	M18MC3550	Foreign Trade Management	SC	2	0	1	3	4
2	M18MC3560	International Strategic Management	SC	2	0	1	3	4
3	M18MC3570	International Business Law	SC	2	0	1	3	4
4	M18MC3580	Forex Management	SC	2	0	1	3	4
	Total Credits						26	37

FOURTH SEMESTER								
1	M18MC4010	Goods and Service Tax and Customs Law	SC	2	0	1	3	4
2	M18MC4020	Major Project	HC	0	2	4	6	10
3	M18MC4030	Skill Development Course	RULO	0	0	0	0	0

Specializations

Note 1: Choose any THREE courses in any ONE of the Specialization given below and TWO courses in the other Specialization.

	ACCOUNTING							
1	M18MC4130	Strategic Cost management	SC	2	0	1	3	4
2	M18MC4140	Corporate Financial Reporting	SC	2	0	1	3	4
3	M18MC4150	Accounting Theory and Standards	SC	2	0	1	3	4
4	M18MC4160	International Accounting	SC	2	0	1	3	4
	FINANCE							
1	M18MC4230	International Financial Management	SC	2	0	1	3	4
2	M18MC4240	Project Management & Control	SC	2	0	1	3	4
3	M18MC4250	Risk Management and Insurance	SC	2	0	1	3	4
4	M18MC4260	Commodity Market	SC	2	0	1	3	4
	HUMAN RESOURCE MANAGEMENT							
1	M18MC4330	International Human Resource Management	SC	2	0	1	3	4
2	M18MC4340	Compensation Management And Employee Welfare Laws	SC	2	0	1	3	4
3	M18MC4350	Performance Management Systems	SC	2	0	1	3	4
4	M18MC4360	Stress Management	SC	2	0	1	3	4

MARKETING									
1	M18MC4430	Consumer Behaviour	SC	2	0	1	3	4	
2	M18MC4440	International Marketing	SC	2	0	1	3	4	
3	M18MC4450	International Marketing Research	SC	2	0	1	3	4	
4	M18MC4460	International Advertising and Brand Management	SC	2	0	1	3	4	
	INTERNATIONAL BUSINESS								
1	M18MC4530	International Trade Practices, Procedures and Documentation	SC	2	0	1	3	4	
2	M18MC4540	International Supply Chain Management and Logistics	SC	2	0	1	3	4	
3	M18MC4550	Export and Import Finance	SC	2	0	1	3	4	
4	M18MC4560	International Business Environment	SC	2	0	1	3	4	
	Total Credits							24	34
	Total Credits of Four Semesters							96	133

Total Credits for M Com Program

Semester	Credits
I	22
II	24
III	26
IV	24
TOTAL	**96**

Registrar
REVA University
Bengaluru - 560 064

Approved BOS/SOC/UG-PG/25-06-2018/06

BA.LL. B (Hon's) PROGRAM
SCHEME OF INSTRUCTION

FIRST SEMESTER

COURSE CODE	COURSE TITLE	HC/ SC/ FC/ OE	L	T	P	TOTAL
			CREDITS			
B18AL1010	Law and Language-I	HC	3	1	0	4
B18AL1020	Political Theory	HC	3	1	0	4
B18AL1030	General Principles and Economics	HC	3	1	0	4
B18AL1040	Essentials of Sociology	FC	3	1	0	4
B18AL1050	Legal Methods and Legal Systems	HC	3	1	0	4
B18AL1060	Law of Torts, Consumer protection Act & Motor Vehicle Act	HC	3	1	0	4
B18AL1070	Moot Court	HC	0	0	2	2
TOTAL						**26**
SECOND SEMESTER						
B18AL2010	Law and Language-II	HC	3	1	0	4
B18AL2020	State and Political Obligations	HC	3	1	0	4
B18AL2030	Managerial Economics	HC	3	1	0	4
B18AL2040	Law and Social Issues in India	HC	3	1	0	4
B18AL2050	Jurisprudence	HC	3	1	0	4
B18AL2060	Law of Contract-I	HC	3	1	0	4
B18AL2070	Moot Court	HC	0	0	2	2
TOTAL						**26**
SUMMER INTERNSHIP: 4 WEEKS (to be evaluated in the III semester)						

THIRD SEMESTER

COURSE CODE	COURSE TITLE	HC/ SC/ FC/ OE	L	T	P	TOTAL
B18AL3010	International Relations	HC	3	1	0	4
B18AL3020	Money, Banking & Public finance	HC	3	1	0	4
B18AL3030	Exploration of Social Inequalities	HC	3	1	0	4
B18AL3040	Constitutional Law- I	HC	3	1	0	4
B18AL3050	Law of Contract-II	HC	3	1	0	4
B18AL3060	Sports, yoga, Music, Dance, Theater	HC	0	0	2	2
B18AL3070	Moot Court	SC	0	0	2	2
B18AL3080	Summer Internship (Evaluation)*	HC	0	0	2	2
TOTAL						**26**

*Marks allocation for the report submission of summer training undertaken at the end of **II Semester** with a corporate Lawyer or Law Firm.

FOURTH SEMESTER

COURSE CODE	COURSE TITLE	HC/SC/ FC/OE	L	T	P	TOTAL
B18AL4010	Public Policy and Public Administration	HC	3	1	0	4
B18AL4020	Law of Crimes (IPC 1860)	HC	3	1	0	4
B18AL4030	Public International Law	HC	3	1	0	4
B18AL4040	Constitutional Law- II	HC	3	1	0	4
B18AL4050	Administrative Law	HC	3	1	0	4
B18AL4060	MOOC, Swayam, EDX, CM Certificate	SC	0	0	2	2
B18AL4070	Moot Court	HC	0	0	2	2

B18AL4080	Soft Skills	SC	0	0	2	2
	TOTAL					**26**
SUMMER INTERNSHIP: 4 WEEKS (to be evaluated in the V Semester)						

FIFTH SEMESTER

COURSE CODE	COURSE TITLE	CREDITS				TOTAL
		HC/ SC/	L	T	P	
B18AL5010	Political Science V (Anatomy of Political Institutions)	HC	3	1	0	4
B18AL5020	Family Law -I	HC	3	1	0	4
B18AL5040	Law of Evidence	HC	3	1	0	4
B18AL5050	Corporate Law	HC	3	1	0	4
B18AL5060	Labour Law -I	HC	3	1	0	4
B18AL5070	Transfer of Property	HC	3	1	0	4
B18AL5080	Soft Skill	SC	0	0	2	2
B18AL5090	Summer Internship (Evaluation)*	HC	0	0	2	2
	TOTAL					**28**

*Marks allocation for the report submission of summer training undertaken at the end of **IV Semester** with a corporate Lawyer or Law Firm.

SIXTH SEMESTER

COURSE CODE	COURSE TITLE	CREDITS				TOTAL
		HC/	L	T	P	
B18AL6010	Political Science VI Comparative Politics & Governance	HC	3	1	0	4
B18AL6020	Family Law- II	HC	3	1	0	4
B18AL6040	Criminal Procedure Code, Probation of Offenders Act & Juvenile Justice Act	HC	3	1	0	4
B18AL6050	Labour Law - II	HC	3	1	0	4
B18AL6060	Civil Procedure Code and Law of Limitation	HC	3	1	0	4
B18AL6070	Soft Skill	SC	0	0	2	2

Optional I (choose any one):						
B18AL6081	Criminology & Penology	SC	3	1	0	4
B18AL6082	Information Technology Law	SC	3	1	0	4
TOTAL						26
SUMMER INTERNSHIP: 4 WEEKS (to be evaluated in the VII semester)						

SEVENTH SEMESTER

COURSE CODE	COURSE TITLE	CREDITS				TOTAL
		HC/SC/FC/	L	T	P	
B18AL7010	Environmental Law	HC	3	1	0	4
B18AL7020	Intellectual Property Right	HC	3	1	0	4
B18AL7030	International Human Rights Law	HC	3	0	1	4
B18AL7040	Summer Internship (Evaluation)*	HC	0	0	2	2
B18AL7050	Open Elective	OE	3	0	1	4
Optional II Choose any ONE of the following						
B18AL7061	Law Relating to Mergers and Acquisition (Honours)	SC	3	0	1	4
B18AL7062	Indirect Taxation (Honours)					
Optional III Choose any ONE of the following						
B18AL7071	Banking and Insurance Law (Honours)	SC	3	0	1	4
B18AL7072	International Criminal Law (Honours)					
TOTAL						26

*Marks allocation for the report submission of summer training undertaken at the end of **VI semester** with a corporate Lawyer or Law Firm.

***OE = to be offered by School of Legal Studies

EIGHTH SEMESTER

Course Code	Course Title	HC/SC/FC/OE	Credits			
			L	T	P	Total
B18AL8010	Law of Taxation	HC	3	1	0	4
B18AL8020	International Humanitarian & Refugee Law	HC	3	1	0	4

B18AL8040	International Trade Law	HC	3	1	0	4
B18AL8040	International Air and Space Law	HC	3	1	0	4
B18AL8050	Trade in Service & Immigration Laws	HC	3	1	0	4
B18AL8060	MOOC, Swayam, EDX, CM Certificate	SC	0	0	2	2
Optional IV Choose any ONE of the following						
B18AL8071	Maritime Law	SC	3	1	0	4
B18AL8072	Media Law	SC	3	1	0	4
TOTAL						**26**
SUMMER INTERNSHIP: 4 WEEKS (to be evaluated in the IX semester)						

NINTH SEMESTER

Course Code	Course Title	HC/SC /FC/OE	Credits			
			L	T	P	Total
B18AL9010	Professional Ethics and Accountancy	HC	3	1	0	4
B18AL9020	Research Methodology	HC	3	1	0	4
B18AL9030	Moot Court & Internship	HC	3	1	0	4
B18AL9040	Drafting, Pleadings and conveyancing	HC	3	1	0	4
B18AL9050	Infrastructure Law	HC	3	1	0	4
B18AL9060	Summer Internship (Evaluation)*	HC	0	0	2	2
Optional V Choose any ONE of the following						
B18AL9071	Investment and Competition Law	SC	3	0	1	4
B18AL9072	Women and Law (Honours)					
TOTAL						**26**
Marks allocation for the report submission of summer training undertaken at the end of **VIII semester** with a corporate Lawyer or Law Firm.						

TENTH SEMESTER

Course Code	Course Title	HC/ SC /FC/ OE	Credits			
			L	T	P	Total

B18ALX010	Dissertation	HC	0	0	8	4
B18ALX020	Alternative Dispute Resolution	HC	3	1	0	4
TOTAL						**08**

BBA L.L.B (Honors) PROGRAM

<u>Scheme of Instruction</u>

(effective from Academic Year 2019)

FIRST SEMESTER

Course Code	Course Title	HC/SC/ FC/OE	L	T	P	Total
B18BL1010	Law and Language-I	HC	3	1	0	4
B18BL1020	Principles of Management	HC	3	1	0	4
B18BL1030	General Principles and Economics	HC	3	1	0	4
B18BL1040	OB and Behavioral Psychology	HC	3	1	0	4
B18BL1050	Legal Methods and Legal Systems	HC	3	1	0	4
B18BL1060	Law of Torts, Consumer protection Act & Motor Vehicle Act	HC	3	1	0	4
B18BL1070	Moot Court	HC	0	0	2	2
	TOTAL		**18**	**6**	**2**	**26**

SECOND SEMESTER

Course Code	Course Title	HC/SC/ FC/OE	L	T	P	Total
B18BL2010	Law and Language-II	HC	3	1	0	4
B18BL2020	Marketing Management	HC	3	1	0	4
B18BL2030	Managerial Economics	HC	3	1	0	4
B18BL2040	Principles & Practice of Accounting	HC	3	1	0	4
B18BL2050	Jurisprudence	HC	3	1	1	4
B18BL2060	Law of Contract- I	HC	3	1	0	4
B18BL2070	Moot Court	HC	0	0	2	2
	TOTAL		**18**	**6**	**2**	**26**
SUMMER INTERNSHIP: 4 WEEKS (to be evaluated in the III semester)						

THIRD SEMESTER

Course Code	Course Title	HC/ SC /FC/ OE	L	T	P	Total
B18BL3010	Human Resource Management	HC	3	1	0	4
B18BL3020	Money, Banking & Public Finance	HC	3	1	0	4
B18BL3030	Cost & Management Accounting	HC	3	1	0	4
B18BL3040	Constitutional law- I	HC	3	1	0	4
B18BL3050	Law of Contract-II	HC	3	1	0	4
B18BL3060	Sports, Yoga, Music, Dance, Theater	RULO	0	0	2	2
B18BL3070	Moot Court	HC	0	0	2	2
B18BL3080	Summer Internship (Evaluation)	HC	0	0	2	2
	TOTAL		**15**	**5**	**6**	**26**

*Marks allocation for the report submission of summer training undertaken at the end of II semester with a corporate Lawyer or Law Firm.

FOURTH SEMESTER

Course Code	Course Title	HC/ SC /FC/ OE	L	T	P	Total
B18BL4010	Financial Management	HC	3	1	0	4
B18BL4020	Law of Crimes (IPC 1860)	HC	3	1	0	4
B18BL4030	Public International Law	HC	3	1	0	4
B18BL4040	Constitutional Law -II	HC	3	1	0	4
B18BL4050	Administrative Law	HC	3	1	0	4
B18BL4060	MOOC, SWAYAM	RULO	0	0	2	2
B18BL4070	Moot Court	HC	0	0	2	2
B18BL4080	Soft Skills	RULO	0	0	2	2
	TOTAL		15	5	6	**26**

SUMMER INTERNSHIP: 4 WEEKS (to be evaluated in the V semester)

FIFTH SEMESTER

Course Code	Course Title	HC/SC/FC/OE	Credits			
			L	T	P	Total
B18BL5010	Talent Management	HC	3	1	0	4
B18BL5020	Family Law- I	HC	3	1	0	4
B18BL5030	Law of Evidence	HC	3	1	0	4
B18BL5040	Corporate Law	HC	3	1	0	4
B18BL5050	Labour Law -I	HC	3	1	0	4
B18BL5060	Transfer of Property	HC	3	1	0	4
B18BL5070	Soft skill	RULO	0	0	2	2
B18BL5080	Summer Internship (Evaluation)	HC	0	0	2	2
	TOTAL		**18**	**6**	**4**	**28**

Marks allocation for the report submission of summer training undertaken at the end of fourth semester with a corporate Lawyer or Law Firm.

SIXTH SEMESTER

Course Code	Course Title	HC/SC/FC/OE	Credits			
			L	T	P	Total
B18BL6010	Brand Management	HC	3	1	0	4
B18BL6020	Family Law- II	HC	3	1	0	4
B18BL6030	Criminal Procedure Code, Probation of Offenders Act & Juvenile Justice Act	HC	3	1	0	4
B18BL6040	Civil Procedure Code and Law of Limitation	HC	3	1	0	4
B18BL6050	Labour Law-II	HC	3	1	0	4
B18BL6060	Soft Skill	RULO	0	0	2	2
Optional I (choose any one):						
B18BL6071	Criminology & Penology	SC	3	1	0	4
B18BL6072	Information Technology Law	SC	3	1	0	4
	TOTAL		**18**	**6**	**2**	**26**
SUMMER INTERNSHIP: 4 WEEKS (to be evaluated in the VII semester)						

SEVENTH SEMESTER

COURSE CODE	COURSE TITLE	HC/ SC/ OE	L	T	P	TOTAL
			CREDITS			
B18BL7010	Environmental Law	HC	3	1	0	4
B18BL7020	Intellectual Property Right	HC	3	1	0	4
B18BL7030	International Human Rights Law	HC	3	1	0	4
B18BL7040	Summer Internship (Evaluation)*	HC	0	0	2	2
B18BL7050	Open Elective	OE	3	0	1	4
Optional II Choose any ONE of the following						
B18BL7061	Law Relating to Mergers and Acquisition (Honours)	SC	3	1	0	4
B18BL7062	Indirect Taxation (Honours)					
Optional III Choose any ONE of the following						
B18BL7071	Banking and Insurance Law (Honours)	SC	3	1	0	4
B18BL7072	International Criminal Law (Honours)					
TOTAL			**18**	**5**	**3**	**26**

*Marks allocation for the report submission of summer training undertaken at the end of **VI semester** with a corporate Lawyer or Law Firm.

*OE = to be offered by School of Legal Studies

EIGHTH SEMESTER

Course Code	Course Title	HC/ SC /FC/OE	L	T	P	Total
			Credits			
B18BL8010	Law of Taxation	HC	3	1	0	4
B18BL8020	International Humanitarian & Refugee Law	HC	3	1	0	4
B18BL8030	International Trade Law	HC	3	1	0	4
B18BL8040	International Air and Space Law	HC	3	1	0	4
B18BL8050	Trade in Service & Immigration Laws	HC	3	1	0	4

Course Code	Course Title	HC/SC/FC/OE	L	T	P	Total
B19BB8060	MOOC, SWAYAM	RULO	0	0	2	2
Optional III Choose any ONE of the following						
B18BL8071	Maritime Law	SC	3	1	0	4
B18BL8072	Media Law					
TOTAL			18	6	2	26
SUMMER INTERNSHIP: 4 WEEKS (to be evaluated in the IX semester)						

NINTH SEMESTER

Course Code	Course Title	HC/SC/FC/OE	Credits			
			L	T	P	Total
B18BL9010	Professional Ethics and Accountancy	HC	3	1	0	4
B18BL9020	Research Methodology	HC	3	1	0	4
B18BL9030	Moot Court & Internship	HC	3	1	0	4
B18BL9040	Drafting, Pleadings and conveyancing	HC	3	1	0	4
B18BL9050	Infrastructure Law	HC	3	1	0	4
B18BL9060	Summer Internship (Evaluation)*	HC	0	0	2	2
Optional V Choose any ONE of the following						
B18BL9071	Investment and Competition Law	SC	3	1	0	4
B18BL9072	Women and Law (Honours)					
TOTAL			18	6	2	26

Marks allocation for the report submission of summer training undertaken at the end of **VIII semester** with a corporate Lawyer or Law Firm.

TENTH SEMESTER

Course Code	Course Title	HC/SC/FC/OE	Credits			
			L	T	P	Total
B18BLX010	Major Project / Dissertation	HC	0	0	12	12
B18BLX020	Alternative Dispute Resolution	HC	3	1	0	4
TOTAL			3	1	12	16

BA (Journalism, English, Psychology – JEP) Program

Scheme of Instruction and Detailed Syllabus

(effective from Academic Year 2018)

Scheme of Instruction

Sl. No	Course Code	Title of the Course	HC/ SC/ CC/FC/	L	T	P	Total	Contact Hrs
FIRST SEMESTER								
1	B18BJ1010	Environmental Science	FC	1	1	-	2	3
2	B18BJ1020	Communicative English - I	CC	2	1	-	3	4
3	B18BJ1031	Language – I Kannada	CC	2	1	-	3	4
	B18BJ1032	Language – I: Hindi	CC	2	1	-	3	4
	B18BJ1033	Language – I: Additional English	CC	2	1	-	3	4
4	B18BJ1040	Journalism - I (Introduction to Media & Communication)	HC	2	0	2	4	5
5	B18BJ1050	English Literature (Chaucer – Pope) & Facets of Language - I	HC	4	0	0	4	4
6	B18BJ1060	Psychology - I (Foundation of Psychology)	HC	2	-	2	4	5
		Total Credits		**13**	**3**	**4**	**20**	**25**
SECOND SEMESTER								
1	B18BJ2010	Indian Constitution and Human Rights	FC	2	-	0	2	2
2	B18BJ2020	Communicative English – II	CC	2	1	0	3	4
3	B18BJ2031	Language – II: Kannada	CC	2	1	0	3	4
	B18BJ2032	Language – II: Hindi	CC	2	1	0	3	4
	B18BJ2033	Language – II: Additional English	CC	2	1	0	3	4
4	B18BJ2040	Journalism - II (Reporting & Editing)	HC	2	0	2	4	5
5	B18BJ2050	English Literature (The Romantic Era) & Facets of Language - II	HC	4	0	0	4	4
6	B18BJ2060	Psychology - II (Basic Psychological Process)	HC	2	0	2	4	5
7	B18BJ2070	Music/ Dance/ Yoga/ Sports/ Theatre	RULO	0	0	2	2	4
8	B18BJ2080	MOOC	RULO	2	0	0	2	2
	B18BJ2090	Internship / Certificate course*	HC					
		Total Credits		**16**	**2**	**6**	**24**	**30**

Note: *Students have to undergo internship of 4 weeks duration after the Second Semester examination; the marks of internship are calculated in the Third Semester.

		THIRD SEMESTER						
1	B18BJ3011	Language – III: Kannada	CC	2	1	0	3	3
	B18BJ3012	Language – III: Hindi	CC	2	1	0	3	3
	B18BJ3013	Language – III: Additional English	CC	2	1	0	3	3
2	B18BJ3020	Journalism - III (Audio-Visual Production)	HC	2	0	2	4	5
3	B18BJ3030	English Literature (Victorian & Modern Ages) & Facets of Language - III	HC	4	0	0	4	4
4	B18BJ3040	Psychology - III (Developmental Psychology - I)	HC	2	0	2	4	5
5	B18BJ3051	Media Studies**	OE	4	0	0	4	4
6	B18BJ3052	Guidance and Counseling**						
7	B18BJ3060	Employability Skills – I (placement)	RULO	2	0	0	2	2
8	B18BJ3070	MOOC	RULO	2	0	0	2	2
9	B18BJ3080	Internship/ Certificate Courses	HC	2	0	2	4	-
		Total Credits		**20**	**1**	**6**	**27**	**25**

**Note: ** Two Open Electives, namely Media Studies and Guidance and Counseling are offered for students other than BA-JEP; the students of BA-JEP will have to choose one of the Open Elective offered by other Schools.

		FOURTH SEMESTER						
1	B18BJ4011	Language IV: Kannada	CC	3	0	0	3	3
	B18BJ4012	Language IV: Hindi	CC	3	0	0	3	3
	B18BJ4013	Language IV: Additional English	CC	3	0	0	3	3
2	B18BJ4020	Journalism – IV (Fundamentals of Media Research)	HC	2	0	2	4	5
3	B18BJ4030	American Literature and Facets of Language	HC	4	0	0	4	4
4	B18BJ4040	Psychology - IV (Developmental Psychology - II)	HC	2	0	2	4	5
5	B18BJ4050	Minor Research Project	HC	0	0	6	6	12
6	B18BJ4060	Employability Skills – II (placement)	RULO	2	0	0	2	2
		Total Credits		**13**	**0**	**10**	**23**	**31**

		FIFTH SEMESTER						
1	B18BJ5010	Journalism -V (Media Laws & Ethics)	HC	2	2	0	4	4
2	B18BJ5021	Journalism -VI (A) (Advertising & Corporate Communication)	SC	2	0	2	4	4
	B18BJ5022	Journalism -VI (B) (Fundamentals of Photography)						
3	B18BJ5030	Literary Criticism	HC	3	1	0	4	4

4	B18BJ5041	Indian Writings in English - I	SC	4	0	0	4	4
	B18BJ5042	European & Non-European Writings - I						
6	B18BJ5050	Psychology – V (Industrial Psychology - I)	HC	2	0	2	4	4
7	B18BJ5061	Psychology – VI (A) (Abnormal Psychology - I)	SC	2	0	2	4	4
	B18BJ5062	Psychology –VI (B) (Health Psychology - I)						
8	B18BJ5070	Employability Skills - III	RULO	2	0	0	2	2
		Total Credits		**17**	**3**	**6**	**26**	**31**
SIXTH SEMESTER								
1	B18BJ6010	Journalism -VII (Media Management)	HC	4	0	0	4	4
2	B18BJ6021	Journalism -VIII (A) (New Media)	SC	2	0	2	4	5
	B18BJ6022	Journalism - VIII (B) (Development Communication)						
3	B18BJ6030	Introduction to Critical Theory	HC	4	0	0	4	4
4	B18BJ6041	Indian Writings in English - II	SC	4	0	0	4	4
	B18BJ6042	European & Non-European Writings - II						
5	B18BJ6050	Psychology – V (Industrial Psychology - II)	HC	2	0	2	4	5
6	B18BJ6061	Psychology-VIII (A) (Abnormal Psychology - II)	SC	2	0	2	4	5
	B18BJ6062	Psychology-VIII (B) (Health Psychology - II)						
		Total Credits		**18**	**0**	**6**	**24**	**27**
		Total Credits of All Semesters					**144**	

M.A., (English) Program

Scheme of Instructions

(effective from Academic Year 2018-19)

Scheme of Instruction

Sl. No	Course Code	Title of the Course	HC/ SC/ OE/	L	T	P	TOTAL	Contact Hrs
FIRST SEMESTER								
1	M18EN1010	English Literature – I (from Chaucer to the Augustans)	HC	3	1	0	4	5
2	M18EN1020	American Literature - I	HC	3	1	0	4	5
3	M18EN1030	Indian Writings in English - I	HC	3	1	0	4	5
4	M18EN1040	Introduction to Linguistics	HC	3	1	0	4	5
5	M18EN1050	English Language Education	HC	2	0	2	4	5
6	M18EN1060	Advanced Communicative Skills	HC	2	0	2	4	5
		Total Credits		**14**	**4**	**2**	**24**	**30**
SECOND SEMESTER								
1	M18EN2010	English Literature – II (from Romantic Age to 20th century British Literature)	HC	3	1	0	4	5
2	M18EN2020	American Literature - II	HC	3	1	0	4	5
3	M18EN2030	Indian Writings in English - II	HC	3	1	0	4	5
4	M18EN2040	New Literatures in English	HC	3	1	0	4	5
5	M18EN2051	Cultural Studies	SC	2	2	0	4	5
	M18EN2052	English for Specific Purposes						
6	M18EN2061	Critical Reading – Poet	SC	0	4	-	4	6
	M18EN2062	Critical Reading – Dramatist	SC					
	M18EN2063	Critical Reading - Novelist	SC					
		Total Credits		**16**	**12**	**0**	**24**	**31**

THIRD SEMESTER			HC/ SC/ OE/	L	T	P	TOTAL	Contact Hrs
1	M18EN3010	Gender Studies	HC	3	1	0	4	5
2	M18EN3020	Critical Theories - I	HC	3	1	0	4	5
	M18EN3031	Media Studies	SC	2	2	0	4	5
	M18EN3032	Film Studies	SC					
5	M18EN3041	English Language Teaching - I	SC	2	0	2	4	5
	M18EN3042	Sociolinguistics	SC	3	1	0		
6	M18EN3050	Biographies of Great Personalities (for students of non-M.A. English Programmes)	OE	3	1	0	4	5
7	M18EN3060	MOOC/ Swayam / Certificate Courses	RULO	3	1	0	4	5
Total Credits				**17**	**7**	**0**	**24**	**30**

FOURTH SEMESTER			HC/ SC/ OE/	Credit Pattern				
				L	T	P	Total	
1	M18EN4010	Critical Theories - II	HC	3	1	-	4	5
2	M18EN4020	Research Methodology	HC	3	1	0	4	5
2	M18EN4031	Literatures from India (In Translation)	SC	3	1	0	4	5
	M18EN4032	English Language Teaching - II	SC					
3	M18EN4040	Major Research Project	HC	2	0	8	10	10
4	M18EN4050	Skill Development	RULO	-	-	2	2	4
Total Credits				**11**	**3**	**10**	**24**	**29**
Total Credits For Four Semesters							**96**	

Note: HC=Hard Core; SC=Soft Core; OE=Open Elective; RULO=REVA Unique Learning Offerings;
FC=Foundation Course; CC=Core Course

Semester-wise Summary of Credit Distribution

Semesters	No. of Credits	No. of Hours
First Semester	24	30
Second Semester	24	31
Third Semester	24	30
Fourth Semester	24	29
Total Credits	**96**	**120**

Distribution of Credits Based on Type of Courses

Semester	HC	SC	OE	RULO	TOTAL
I	24	0	0	0	24
II	16	8	0	0	24
III	8	8	4	4	24
IV	22	0	0	2	24
Total	**70**	**16**	**4**	**6**	**96**

Distribution of Credits Based on L: T: P

Semester	L	T	P	Total	Total Hours
I	14	4	2	24	30
II	16	12	0	24	31
III	17	7	0	24	30
IV	11	3	10	24	29
Total	**58**	**26**	**12**	**96**	**120**

MA- Journalism and Communication
Scheme of Instruction (effective from 2018-19 onwards)

Sl. No	Course Code	Title of the Course	HC/ SC SE/ CC	L	T	P	Total	Contact Hrs
FIRST SEMESTER								
1	M18JM1010	Principles of Mass Communication	HC	4	0	0	4	4
2	M18JM1020	Advanced Reporting and Editing	HC	4	0	0	4	4
3	M18JM1030	Development Communication	HC	3	0	1	4	5
4	M18JM1040	Communication Theories	HC	4	0	0	4	4
5	M18JM1050	Visual Communication	HC	2	0	2	4	5
6	M18JM1060	Lab Journal Production	HC	0	0	2	2	4
		Total Credits		**17**	**0**	**5**	**22**	**26**
SECOND SEMESTER								
1	M18JM2010	Communication Research Methods	HC	3	0	1	4	5
2	M18JM2020	Media Laws and Management	HC	4	0	0	4	4
3	M18JM2030	Radio Production	HC	2	0	2	4	6
4	M18JM2040	International Communication	HC	4	0	0	4	4
5	M18JM2051	Fundamentals of Photography	SC	2	2	0	4	5
6	M18JM2052	Magazine Production and Writing Techniques	SC					
7	M18JM2061	Business Journalism	SC	2	2	0	4	5
8	M18JM2062	Sports Journalism	SC					
9		Internship*						
		Total Credits		**17**	**4**	**3**	**24**	**29**
	*Students have to undergo internship of 4 weeks duration after the second semester examination; the marks of internship are calculated in the third semester.							
THIRD SEMESTER								
1	M18JM3010	Television Production	HC	3	0	1	4	5
2	M18JM3020	PR & Corporate Communication	HC	3	1	0	4	5
3	M18JM3030	Principles and Practices of Advertising	HC	3	0	1	4	5
4	M18JM3041	New Media	SC	3	0	1	4	5
5	M18JM3042	Documentary and News Production	SC					

6	M18JM3051	Branding and Marketing Research	SC	2	2	0	4	5
7	M18JM3052	Political Communication	SC					
8	M18JM3060	Media & Society**	OE	4	0	0	4	4
9	M18JM3070	MOOC/ Certificate Course	RULO	2	0	0	2	2
10	M18JM3080	Internship	HC	0	0	4	4	0
		Total Credits		**20**	**1**	**9**	**30**	**31**

**Note: ** The Open Elective, namely Media & Society is offered for students other than BA-JEP; the students of MA-Journalism & Communication will have to choose one of the Open Elective offered by other Schools.

FOURTH SEMESTER								
1	M18JM4010	Event Management	HC	3	0	0	3	3
2	M18JM4020	Film Studies	HC	3	0	0	3	3
3	M18JM4031	Environmental Communication	SC	4	0	0	4	4
4	M18JM4032	Technical Writing	SC					
5	M18JM4033	Digital Media Marketing	SC					
6	M18JM4040	Major Project- *Documentary/Dissertation*	HC	0	0	8	8	16
7	M18JM4050	Placement Training (Soft Skills)	RULO	2	0	0	2	2
		Total Credits		**12**	**0**	**8**	**20**	**28**
	Total Credits of Four Semesters						**96**	

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REVA University
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M.Sc (BIOCHEMISTRY)

Scheme of Instructions and Detailed Syllabus
(effective from Academic Year 2018)

Scheme of Instructions

First Semester

Sl. No	Course Code	Title of the Course	HC/SC/ FC	Credit Pattern			Credits	Contact Hours
				L	T	P		
1	M18BC1010	Organic, Biophysical, Biochemical and Environmental Toxicology	HC	2	1	0	3	4
2	M18BC1020	General Physiology	HC	4	0	0	4	4
3	M18BC1030	Metabolism -I	HC	4	0	0	4	4
4	M18BC1040	Analytical Techniques	HC	4	0	0	4	4
5	M18BC1050	Research Methodology & Statistics	HC	2	1	0	3	4
	Practical Courses							
6	M18BC1060	Biophysical chemistry (Laboratory– I)	HC	0	0	2	2	4
7	M18BC1070	Clinical Biochemistry (Laboratory cum Training– II)	HC	0	0	2	2	4
8	M18BC1080	Enzymology (Laboratory– III)	HC	0	0	2	2	4
9	M18BC1090	Microbiology (Laboratory – IV)	HC	0	0	2	2	4
	Total Credits			16	01	8	26	36

Second Semester

Sl. No	Course Code	Title of the Course	HC/SC/ FC	Credit Pattern			Credits	Hours
				L	T	P		
1	M18BC2010	Enzymology	HC	4	0	0	4	4
2	M18BC2020	Biotechnology	HC	4	0	0	4	4
3	M18BC2030	Immunology	HC	4	0	0	4	4
4	M18BC2040	Metabolism -II	HC	3	1	0	4	5
5	M18BC2051	Bioinformatics	SC	1	1	0	2	3
6	M18BC2052	Food Technology						
7	M18BC2060	Sports/Yoga/Music/Dance/ Theatre	RULO	0	0	2	2	3
	Practical Courses							
8	M18BC2070	Protein Chemistry (Laboratory – V)	HC	0	0	2	2	4

9	M18BC2080	Immunology (Laboratory – VI)	HC	0	0	2	2	3
10	M18BC2090	Molecular Biology (Laboratory – VII)	HC	0	0	2	2	4
11	M18BC20X0	Bioinformatics (Laboratory – VIII)	HC	0	0	2	2	3
Total Credits				**16**	**2**	**10**	**28**	**37**

Third Semester

Sl. No	Course Code	Title of the Course	HC/SC/ FC	Credit Pattern			Credits	Hours
				L	T	P		
1	M18BC3010	Molecular Biology	HC	4	0	0	4	4
2	M18BC3020	Nutritional Biochemistry	HC	3	0	0	3	3
3	M18BC3030	Biochemical Genetics	HC	2	1	0	3	4
4	M18BC3041	Pharmacovigilance and SAS	SC	4	0	0	4	4
5	M18BC3042	Clinical Biochemistry and Diagnostics						
6	M18BC3043	Plant and Industrial Biochemistry						
7	M18BC3050	Biochemistry in daily life	OE*	3	1	0	4	4
8	M18BC3060	Soft Skill	RULO	2	0	0	2	2
	Practical Courses							
9	M18BC3070	Advanced Molecular Techniques (Laboratory – IX)	HC	0	0	4	4	8
10	M18BC3080	Genetic Engineering (Laboratory– X)	HC	0	0	2	2	4
	Total Credits			**18**	**2**	**6**	**26**	**33**

Note: Open Elective Course **"Biochemistry in daily life"** offered is for students other than Biochemistry discipline. The students of M Sc Biochemistry shall have to choose the **Open Elective** course offered in other disciplines.

Fourth Semester

Sl. No	Course Code	Title of the Course	HC/SC/ FC	Credits Pattern			Credits	Hours
				L	T	P		
1	M18BC4010	Internship	HC	-	-	4	4	8
2	M18BC4020	Submission of Project work and Evaluation	HC	0	0	10	10	20
3	M18BC4030	SWAYAM/MOOC	RULO	2	-	-	2	-
	Total Credits			**2**	**0**	**14**	**16**	**28**

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M Sc (Physics) Program

Scheme of Instruction

(effective from Academic Year 2018-19)

SEMESTER-I

Sl. No.	Course Code	Title of the Course	Type of Course	Credit Pattern & Credit Value				Contact Hours
				L	T	P	Total	
1	M18PH1010	Mathematical Physics	HC	3	1	0	4	5
2	M18PH1020	Classical Mechanics	HC	3	1	0	4	5
3	M18PH1030	Electronic devices	HC	3	1	0	4	5
4	M18PH1040	Quantum Mechanics I	HC	3	1	0	4	5
5	M18PH1050	Material Science (General)	HC	3	1	0	4	5
	Practical Courses							
6	M18PH1060	General Physics lab - I	HC	0	0	3	3	5
7	M18PH1070	Electronics lab	HC	0	0	3	3	5
	Total Credits			**15**	**5**	**6**	**26**	**35**

SEMESTER-II

Sl. No.	Course Code	Title of the Course	Type of Course	Credit Pattern & Credit Value				Contact Hours
				L	T	P	Total	
1	M18PH2010	Quantum Mechanics II	HC	3	1	0	4	5
2	M18PH2020	Statistical Mechanics	HC	3	1	0	4	5
3	M18PH2030	Condensed matter physics (General)	HC	3	1	0	4	5
4	M18PH2040	Atomic and Molecular Physics	HC	3	1	0	4	5
5	M18PH2051	Electronics - I : Digital Electronics	SC[#]					
6	M18PH2052	Condensed Matter Physics - I	SC[#]	2	1	0	3	4
7	M18PH2053	Material Science - I	SC[#]					
8	M18PH2060	Music, Dance, sports, Theater, Yoga	RULO	0	0	2	2	3
9	M18PH2070	Skill development Programme	RULO	0	0	2	2	3
	Practical Courses							

10	M18PH2080	General Physics lab - II	HC	0	0	3	3	5
11	M18PH2090	Atomic and Molecular Physics	HC	0	0	3	3	5
		Total Credits		**10**	**5**	**8**	**25**	**36**

Note: #**Soft Core (SC):** Student shall opt for one SC of his/her choice which will be continued in higher semesters also.

SEMESTER-III

Sl. No.	Course Code	Title of the Course	Type of Course	Credit Pattern & Credit Value				Contact Hours
				L	T	P	Total	
1	M18PH3010	Electrodynamics	HC	2	1	0	3	4
2	M18PH3020	Nano-science and Nanotechnology	HC	2	1	0	3	4
3	M18PH3030	Nuclear and Particle physics	HC	2	1	0	3	4
4	M18PH3041	Electronics – II: Electronic Communication Systems	SC#					
5	M18PH3042	Condensed Matter Physics - II	SC#	3	1	0	4	5
6	M18PH3043	Material Science- II	SC#					
7	M18PH3051	Electronics – III: Linear integrated circuits	SC#					
8	M18PH3052	Condensed Matter Physics - III	SC#	3	1	0	4	5
9	M18PH3053	Material Science - III	SC#					
10	M18PH3060	Astrophysics	OE#	3	1	0	4	5
	Practical Courses							
11	M18PH3070	General Physics lab - III	HC	0	0	3	3	5
12	M18PH3081	Electronics Lab	SC#					
13	M18PH3082	Condensed Matter Physics		0	0	3	3	5
14	M18PH3083	Material Science						
		Total Credits		**15**	**6**	**6**	**27**	**37**

Note: i) # **OE is Open Elective Course** offered for students of other Schools; the students of M Sc – Physics shall take any ONE of the OE course offered by other Schools.

ii) *Soft Core (SC): Students shall have to continue the Soft Core opted during the Second Semester

SEMESTER-IV

Sl. No.	Course Code	Title of the Course	Type of Course	L	T	P	Total	Contact Hours
				over: Credit Pattern & Credit Value				
1	M18PH4010	Major Project	HC	0	0	10	10	20
2	M18PH4020	MOOC/SWAYAM/ Internship	RULO	0	0	4	4	-
3	M18PH4030							-
Total Credits				**0**	**0**	**18**	**18**	**20**
Total Credits of I to IV Semesters								

Note: * The students shall undergo Internship during summer vacation and mid-term vacation soon after Second and Third Semester exams are completed and present the report on the Internship undergone during the Fourth Semester for evaluation.

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M Sc., in Mathematics
Scheme of Instruction
2018-20

Course Code	Course Title	Course Type	L	T	P	Total	Weekly Contact Hours
Semester I							
M18MT1010	Algebra	HC	3	1	0	4	5
M18MT1020	Real Analysis	HC	3	1	0	4	5
M18MT1030	Statistical Methods - I	HC	3	1	0	4	5
M18MT1040	Discrete Mathematics	HC	3	1	0	4	5
M18MT1050	Ordinary and Partial Differential	HC	3	1	0	4	5
M18MT1060	R – Programming with Statistical	HC	2	0	2	4	5
	Total Credits of I Semester		17	5	2	24	30
Semester II							
M18MT2010	Linear Algebra	HC	3	1	0	4	5
M18MT2020	Complex Analysis	HC	3	1	0	4	5
M18MT2030	Introductory Graph Theory	HC	3	1	0	4	5
M18MT2040	Statistical Methods - II	HC	3	1	0	4	5
M18MT2051	Finite Element Method	SC	2	1	0	3	4
M18MT2052	Fluid Mechanics						
M18MT2061	Python Programming	SC	2	0	2	4	5
M18MT2062	SAS and SPSS						
M18MT2070	Sports/Yoga/music/dance/theatre	RULO	1	1	0	2	3
	Total Credits of II Semester		17	6	2	25	32
Semester III							
M18MT3010	Topology	HC	3	1	0	4	5
M18MT3020	Magneto Hydrodynamics	HC	3	1	0	4	5
M18MT3030	Functional Analysis	HC	3	1	0	4	5
M18MT3041	Mathematical Methods	SC	2	1	0	3	4
M18MT3042	Statistical Methods-III						
M18MT3050	MOOC / Swayam / Internship	RULO	4	0	0	4	4
M18MT3060	Soft Skill Training	RULO	2	0	0	2	2
M18MT3070	Open Elective: Optimization Techniques	OE	4	0	0	4	4
M18MT3080	Open Elective: Cryptography						
	Total Credits of III Semester		21	4	0	25	29
Semester IV							
M18MT4010	Numerical Analysis	HC	3	1	0	4	5
M18MT4021	Operations Research	SC	2	1	0	3	4
M18MT4022	Number Theory						
M18MT4031	Calculus of Variation and Integral	SC	2	1	0	3	4
M18MT4032	Theory of Measure and Integration.						
M18MT4041	Fuzzy set & Fuzzy Logic	SC	2	1	0	3	4
M18MT4042	Advanced Graph Theory						

1

M18MT4051	Computational Fluid Dynamics	SC	2	1	0	3	4
M18MT4052	Differential Geometry						
M18MT4060	Project Work	HC	0	0	6	6	9
	Total Credits of IV Semester		11	5	6	22	30

HC	SC	O	RULO	I Sem	II Sem	III	IV	L	T	P	Total	Total Hours
62	22	04	08	24	25	25	22	66	20	10	96	121

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B A (Performing Arts, English and Psychology - PaEPs)

Scheme of Instruction and Syllabus

(Effective from 2018)

Scheme of Instruction:

Sl. No	Course Code	Course Title	Course Type	Credit Pattern and Credit Value			No. of Hrs.	
				L	T	P	Total Credit	Sessions
FIRST SEMESTER								
1.	B18BA1011	Language – II: Kannada	CC	2	1	0	3	4
2.	B18BA1012	Language – II: Hindi	CC					
3.	B18BA1013	Language – II: Additional English	CC					
4.	B18BA1020	Communicative English – I	CC	2	0	1	3	4
5.	B18BA1030	Constitution of India and Professional Ethics	FC	2	1	0	3	4
6.	B18BA1040	Performing Arts and Art History of India	HC	3	0	0	3	3
7.	B18BA1051	Practical1(FundamentalsofBharatanatyam)	SC	0	0	3	3	6
8.	B18BA1052	Practical1(FundamentalsofKuchipudi)	SC	0	0	3	3	6
9.	B18BA1053	Practical1(FundamentalsofDrama)	SC	0	0	3	3	6
10.	B18BA1054	Practical1(Fundamentalsof CarnaticMusic)	SC	0	0	3	3	6
11.	B18BA1060	English Literature &Language -I: British Literature (Chaucer to Pope) & Aspects of Language	HC	2	0	1	3	4
12.	B18BA1070	Foundations of Psychology – I	HC	3	0	1	4	5
13.	B18BA1080	Yoga/Sports	RULO	0	0	2	2	4
		Total Credits		**14**	**02**	**08**	**24**	**34**
SECOND SEMESTER								
1	B18BA2011	Language–II:Kannada	CC	2	1	0	3	4
	B18BA2012	Language–II: Hindi						

				L	T	P	C	Total
	B18BA2013	Language–II: AdditionalEnglish						
2	B18BA2020	Communicative English – II	CC	2	0	1	3	4
3	B18BA2030	Natya Sastra and Performing Arts	HC	3	0	0	3	3
4	B18BA2041	Practical 2 (Fundamentals of Carnatic Music)	SC	0	0	3	3	6
5	B18BA2042	Practical 2 (Fundamentals of Drama)	SC	0	0	3	3	6
6	B18BA2043	Practical2(FundamentalsofBharatanatyam)	SC	0	0	3	3	6
7	B18BA2044	Practical2(FundamentalsofKuchipudi)	SC	0	0	3	3	6
8	B18BA2050	EnglishLiterature&Language-II:British Literature(TheRomanticAge)&Aspects ofLanguage	HC	2	0	1	3	4
9	B18BA2060	FoundationsofPsychology-II	HC	2	0	1	3	4
10	B18BA2071	Folklore Study – Folk Dance	SC					
11	B18BA2072	Folklore Study – Folk Music	SC	0	1	1	2	3
12	B18BA2073	Folklore Study – Folk Theatre	SC					
11	B18BA2080	Skill Development – 1 (Multimedia and Designing)	RULO	1	0	1	2	3
		Total Credits		**12**	**02**	**08**	**22**	**31**

THIRD SEMESTER

				L	T	P	C	Total
1	B18BA3011	Language–II:Kannada						
	B18BA3012	Language–II: Hindi	CC	2	1	0	3	4
	B18BA3013	Language–II: AdditionalEnglish						
2	B18BA3020	Environmental Studies	FC	3	0	0	3	4
3	B18BA3030	Rasa Theory and its implications in Performing Arts	HC	2	1	0	3	3
4	B18BA3041	**Practical 3 - Bharathanatyam**						
5	B18BA3042	**Practical 3 – Kuchipudi**						
6	B18BA3043	**Practical 3 – Carnatic Vocal**	SC	0	0	3	3	6
7	B18BA3044	**Practical 3 - Drama**						
8	B18BA3050	English Literature & Facets of Language - III	HC	2	0	1	3	4
9	B18BA3060	Social Psychology	HC	3	1	0	4	5

10	B18BA3070	Skill Development – 2 (Indian Classical Dance Make up)	RULO	4	0	0	4	4
		Total Credits		**16**	**03**	**04**	**23**	**30**
FOURTH SEMESTER								
1	B18BA4011	Language–II:Kannada	CC	2	1	0	3	4
	B18BA4012	Language–II: Hindi						
	B18BA4013	Language–II: AdditionalEnglish						
2	B18BA4020	Textual Traditions in Performing Arts	HC	2	1	0	3	4
3	B18BA4031	**Practical 4 - Bharathanatyam**	SC	0	0	3	3	6
	B18BA4032	**Practical 4 – Kuchipudi**						
	B18BA4033	**Practical 4 – Carnatic Vocal**						
	B18BA4034	**Practical 4 – Drama**						
4	B18BA4040	English Literature & Facets of Language - IV	HC	2	0	1	3	4
5	B18BA4050	Developmental Psychology	HC	2	0	1	3	4
6	B18BA4060	Internship in Performing Arts	HC	0	0	3	3	6
7	B18BA4070	MOOC (SELF STUDY)	RULO	0	0	2	2	4
		Total Credits		**08**	**02**	**10**	**20**	**32**

FIFTH SEMESTER								
1	B18BA5010	Traditions and Innovations in Performing Arts	HC	4	0	0	4	4
2	B18BA5020	Arts Management	HC	3	0	0	3	3
3	B18BA5031	Practical 5 – Bharatanatyam	SC	0	0	3	3	6
	B18BA5032	Practical 5– Kuchipudi						
	B18BA5033	Practical 5 – Carnatic Vocal						
	B18BA5034	Practical 5 – Drama						
4	B18BA5040	Literary Criticism	HC	2	1	0	3	4
5	B18BA5051	Indian Writings in English - I	SC	2	1	0	3	4
	B18BA5052	Myths and Mythologies						
6	B18BA5060	Indigenous Psychology – An Indian Perspective - I	HC	2	0	1	3	4

7	B18BA5071	Abnormal Psychology - I	SC	2	0	1	3	4
	B18BA5072	Health Psychology - I						
8	B18BA5080	Skill Development -Employability Skills	RULO	0	0	2	2	4
9	B18BA5090	Open Elective	OE	0	0	2	2	4
		Total Credits		**15**	**02**	**09**	**26**	**37**
SIXTH SEMESTER								
1	B18BA6010	Aesthetics (Indian and Western)	HC	4	0	0	4	4
2	B18BA6021	Group Choreography	SC	3	0	0	3	3
	B18BA6022	Music Kutcheri						
	B18BA6023	Drama Production						
3	B18BA6030	Introduction to Critical Theory	HC	2	1	0	3	4
4	B18BA6041	Indian Writings in English – II	SC	2	1	0	3	4
	B18BA6042	Revisionist Writings						
5	B18BA6050	Indigenous Psychology – An Indian Perspective – II	HC	2	0	1	3	4
6	B18BA6061	Abnormal Psychology – II	SC	2	0	1	3	4
7	B18BA6062	Health Psychology - II						
8	B18BA6070	Field Trip	HC	0	0	2	2	4
9	B18BA6080	Dissertation	HC	0	0	6	6	12
		Total Credits		**15**	**02**	**10**	**27**	**39**

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MPA (Master of Performing Arts) Program

Scheme of Instruction

(Effective from Academic Year 2018-19)

Sl. No	Course Code	Course Title	Course Type	Credit Pattern and Credit Value				No. of Hrs
				L	T	P	Total	
FIRST SEMESTER								
1.	M18PA1010	Dance History	HC	4	0	0	4	4
2.	M18PA1020	English & Communications- I	HC	3	0	0	3	3
3.	M18PA1031	Fundamentals –Kuchipudi - (Adugulu, Jathulu, Vinayaka Kouthvam, Jathiswaram) - Practical – 1	SC	0	0	3	3	6
4.	M18PA1032	Fundamentals – Bharathanatyam - (Adavus, Alarippu and Jatiswaram) – Practcial 1	SC					
5.	M18PA1041	Items – Kuchipudi - (Poorvarangam, Shabdam, Ramadasu/Annamacharya Keertana) - Practical – 2	SC	0	0	3	3	6
6.	M18PA1042	Items – Bharathaatyam - (Shabdam, Kriti) – Practical 2	SC					
7.	M18PA1050	Slokas (Natya Sastram) - Practical – 3	HC	4	0	0	4	4
8.	M18PA1060	Music - 1 (Theory and practical)	HC	1	0	2	3	4
9.	M18PA1070	Kannada	HC	2	0	0	2	2
10.	M18PA1080	Yoga / Sports	RULO	0	0	2	2	3
		Total Credits	-	14	0	10	24	29
SECOND SEMESTER								
1	M18PA2010	Art History and Choreography	HC	4	0	0	4	4
2	M18PA2020	English & Communications - II	HC	3	0	0	3	3
3	M18PA2031	Items- Kuchipudi- (Tarangam, Keertana / Kriti, Thillana) - Practical – 2	SC	0	0	4	4	6
	M18PA2032	Items- Bharathanatyam- (Varnam (Pada or tana), Thillana) - Practical – 2	SC					

4	M18PA2041	Items-Kuchipudi- (Ashtapadi, Javali, Padam) - Practical – 2	SC	0	0	4	4	6
	M18PA2042	Items – Bharathanatyam -(Javali and Padam)	SC					

				L	T	P	C	Total
5	M18PA2050	Slokas (Abhinaya Darpanam) -	HC	4	0	0	4	4
6	M18PA2060	Music – 2 (Theory and Practical)	HC	1	0	2	3	4
7	M18PA2070	Sanskrit	HC	2	0	0	2	2
		Total Credits	-	14	0	10	24	29

THIRD SEMESTER

1	M18PA3010	Aesthetics in Dance	HC	3	0	0	3	3
2	M18PA3020	Research Methodology	HC	3	0	0	3	3
3	M18PA3030	Arts Management	HC	3	0	0	3	3
4	M18PA3041	Bhama Kalapam- Kuchipudi- Practical – 1	SC	0	0	3	3	5
	M18PA3042	Items-Bharathanatyam- Daru or Swarajati Varnam	SC					
5	M18PA3050	Individual Choreography - Practical – 2	HC	0	0	3	3	3
6	M18PA3060	Slokas (Natya sastra and Abhinaya Darpanam)	HC	1	0	2	3	4
7	M18PA3070	Telugu	HC	2	0	0	2	2
8	M18PA3081	Classical Dance	OE	2	0	2	4	5
9	M18PA3082	Mrudangam	OE					
10	M18PA3083	Dramatics	OE					
		Total Credits	-	14	0	10	24	28

FOURTH SEMESTER

1	M18PA4010	Dance Writing and Biographies	HC	3	0	0	3	3
2	M18PA4020	Ashta Nayikas - Practical -1	HC	1	0	2	3	4
3	M18PA4030	Navarasas - Practical - 2	HC	1	0	2	3	4
4	M18PA4040	Nattuvangam - Practical – 3	HC	1	0	2	3	4
5	M18PA4050	Group Choreography	HC	0	0	4	4	6
6	M18PA4060	Field Trip & Dissertation	HC	0	0	8	8	-
		Total Credits	-	6	0	18	24	21
		Total Credits for Four Semesters					96	

REVA UNIVERSITY
Bengaluru, India

Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064
Karnataka, India.

Ph: +91- 90211 90211, +91 80 4696 6966
E-mail: admissions@reva.edu.in

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