

CSE B. Tech. Elective Subjects Old

CSE B. Tech. Elective Subjects Old			Academic year					
SEM	SUBJECT DOMAINS		No. of Students enrolled in & completed the course	2015-16	2016-17	2017-18	2018-19	2019-20
ELECTIVES								
V	CS-504A	Circuit Theory & Network	Elective	00	00	00	00	00
	CS-504B	Data Communication	Elective	00	00	00	00	00
	CS-504C	Digital Signal Processing	Elective	00	00	00	00	00
	CS-504D	Object Oriented Programming(IT)	Elective	135	133	129	132	138
	CS-594A	Circuit Theory & Network Lab	Elective	00	00	00	00	00
	CS-594B	Data Communication Lab	Elective	00	00	00	00	00
	CS-594C	Digital Signal Processing Lab	Elective	00	00	00	00	00
	CS-594D	Object Oriented Programming(IT) Lab	Elective	135	133	129	132	138
VI	CS-604A	Information Theory & Coding	Elective	00	00	00	00	00
	CS-604B	Computer Graphics	Elective	135	133	129	132	138
	CS-604C	ERP	Elective	00	00	00	00	00
	CS-605A	Operation Research	Elective	135	133	129	132	138
	CS-605B	Human Resource Management(HSS)	Elective	00	00	00	00	00
	CS-605C	Multimedia Technology	Elective	00	00	00	00	00
	CS-703A	Pattern Recognition	Elective	00	00	00	00	00
	CS-703B	Soft Computing	Elective	140	135	133	00	00
	CS-703C	Artificial Intelligence	Elective	00	00	00	129	132
	CS-703D	Image Processing	Elective	00	00	00	00	00
	CS-704A	Distributed Operating System	Elective	00	00	00	00	00
	CS-704B	Cloud Computing	Elective	00	00	00	00	00
	CS-704C	Data Warehousing and Data Mining	Elective	140	135	133	129	132

VII

CS-704D	Sensor Networks	Elective	00	00	00	00	00
CS-704E	Mobile Computing	Elective	00	00	00	00	00
CS-705A	Internet Technology	Elective	140	135	133	129	132
CS-705B	Micro Electronics & VLSI Design	Elective	00	00	00	00	00
CS-705C	Control System	Elective	00	00	00	00	00
CS-705D	Modelling & Simulation	Elective	00	00	00	00	00
CS-793A	Pattern Recognition Lab	Elective	00	00	00	00	00
CS-793B	Soft Computing Lab	Elective	140	135	133	00	00
CS-793C	Artificial Intelligence Lab	Elective	00	00	00	129	132
CS-793D	Image Processing Lab	Elective	00	00	00	00	00
CS-795A	Internet Technology Lab	Elective	140	135	133	129	132
CS-795B	Micro Electronics & VLSI Design Lab	Elective	00	00	00	00	00
CS-795C	Control System Lab	Elective	00	00	00	00	00
CS-795D	Modelling & Simulation Lab	Elective	00	00	00	00	00

VIII

HU-801A	Organisational Behaviour	Elective	140	135	133	129	132
HU-801B	Project Management	Elective	00	00	00	00	00
CS-801A	Advanced Computer Architecture	Elective	00	00	00	00	00
CS-801B	Parallel Computing	Elective	00	00	00	00	00
CS-801C	Natural Language Processing	Elective	00	00	00	00	00
CS-801D	Cryptography & Network Security	Elective	140	135	133	129	132
CS-801E	Bussiness Analytics	Elective	00	00	00	00	00
CS-802A	Technology Management	Elective	00	00	00	00	00
CS-802B	Cyber Law & Security Policy	Elective	00	00	00	00	00
CS-802C	Optical Networking	Elective	00	00	00	00	00
CS-802D	Low Power Circuits & Systems	Elective	00	00	00	00	00
CS-802E	E-Commerce	Elective	00	00	00	00	00
CS-802F	Robotics	Elective	00	00	00	00	00

IT B. Tech. Elective Subjects			Academic Year					
			2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	
SEM	SUBJECT DOMAINS	No.of Students enrolled in & completed the course						
V	B.TECH OLD SYLLEBUS							
	IT 504A	Circuit Theory & Network	Elective	0	0	0	0	0
	IT 504B	Data Communication	Elective	0	0	0	0	0
	IT 504C	Digital Signal Processing	Elective	0	0	0	0	0
	IT 504D	Operation Research	Elective	0	0	0	0	0
	IT 504E	Microprocessors & Microcontrollers	Elective	0	0	0	0	0
	IT 504F	Programming Practices using C++	Elective	60	61	58	62	61
	IT 594A	Circuit Theory & Network	Elective	0	0	0	0	0
	IT 594B	Data Communication	Elective	0	0	0	0	0
	IT 594C	Digital Signal Processing	Elective	0	0	0	0	0
	IT 594D	Operation Research	Elective	0	0	0	0	0
	IT 594E	Microprocessors & Microcontrollers	Elective	0	0	0	0	0
	IT 594F	Programming Practices using C++	Elective	60	61	58	62	61
		IT 604A	Information Theory & Coding	Elective	0	0	0	0
	IT 604B	Computer Graphics	Elective		63	62	61	59

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IT 604C	Pattern Recognition	Elective	0	0	0	0	0
IT 604D	ERP	Elective	0	0	0	0	0
IT 605A	Discrete Mathematics (M)	Elective	0	0	0	0	0
IT 605B	Human Resource Management	Elective	0	0	0	0	0
IT 605C	Compiler Design	Elective		63	62	61	59
IT 605D	Artificial Intelligence	Elective	0	0	0	0	0

VII

IT 703A	E-Commerce	Elective	60	61	58	62	61
IT 703B	Soft Computing	Elective	0	0	0	0	0
IT 703C	Image Processing	Elective	0	0	0	0	0
IT 704A	Distributed Operating System	Elective	0	0	0	0	0
IT 704B	Cloud Computing	Elective	0	0	0	0	0
IT 704C	Data Warehousing & Data Mining	Elective	60	61	58	62	63
IT 704D	Sensor Networks	Elective	0	0	0	0	0
IT 704E	Mobile Computing	Elective		63	62	61	59
IT 705A	Bio Informatics	Elective		0	0	0	0
IT 705B	Control System	Elective		0	0	0	0
IT 705C	Modelling & Simulation	Elective		0	0	0	0
IT 705D	Microelectronics & VLSI Design	Elective		0	0	0	0
IT 705E	Advanced Data Communication & Coding	Elective		63	62	61	59
IT 793A	E-Commerce	Elective	60	61	58	62	61
IT 793B	Soft Computing	Elective	0	0	0	0	0
IT 793C	Image Processing	Elective	0	0	0	0	0

VII

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HU 801A	Organisational Behaviour	Elective	0	0	0	0	0
HU 801B	Project Management	Elective	60	61	58	62	61
IT 801A	Advanced Computer Architecture	Elective	0	0	0	0	0
IT 801B	Parallel Computing	Elective	0	0	0	0	0
IT 801C	Natural Language Processing	Elective	0	0	0	0	0
IT 801D	Cryptography & Network Security	Elective	60	61	58	62	61
IT 802A	Technology Management	Elective	0	0	0	0	0
IT 802B	Cyber Law & Security Policy	Elective	0	0	0	0	0
IT 802C	Optical Networking	Elective		63	62	61	58
IT 802D	Low Power Circuits & Systems	Elective	0	0	0	0	0
IT 802E	Business Analytics	Elective	0	0	0	0	0
IT 802F	Robotics	Elective	0	0	0	0	0

ECE B. Tech. Elective Subjects

Academic Year

SEM	Paper Code	Name of Elective Course	2015-2016		2016-2017		2017-2018		2018-2019		2019-2020	
			Course offered	No of Students opted	Course offered	No of Students opted	Course offered	No of Students opted	Course offered	No of Students opted	Course offered	No of Students opted
5TH	EC-504A	Computer Architecture	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-504B	Data Structure &C	YES	127	YES	126	YES	128	YES	132	YES	128
6th	EC-604A	Antenna Theory & Propagation	NO	0	NO	0	NO	0	NO	0	YES	6
	EC-604B	Information Theory & Coding	YES	127	YES	126	YES	128	YES	132	YES	122
	EC-605A	Object Oriented Programming(IT)	YES	127	YES	126	YES	128	YES	132	YES	128
	EC-605B	Programming Language(CSE)	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-605C	Electronics Measurement & Instrumentation(EI)	NO	0	NO	0	NO	0	NO	0	NO	0
7th	EC-703A	RF & Microwawe Engg	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-703B	Optical Communication &NW	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-703C	Computer Networks	YES	139	YES	127	YES	126	YES	128	YES	132
	EC-703D	FPGA & Reconfigurable Computing	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-704A	Radar Engg	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-704B	Embedded Systems	YES	139	YES	127	YES	126	YES	128	YES	132
	EC-704C	Biomedical Instrumentation	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-705A	Artificial Intelligence(CSE)	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-705B	Robotics(CSE)	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-705C	Data Base Management System	YES	139	YES	127	YES	126	YES	128	YES	132
8TH	EC-705D	Power Electronics	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-801A	Smart Antenna	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-801B	Digital Image Processing	YES	139	YES	127	YES	126	YES	128	YES	132
	EC-801C	Satellite Communication & Remote Sensing	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-802A	Neural N/W & Application(CSE)	YES	139	YES	127	YES	126	YES	128	YES	132
8TH	EC-802B	Material Sc. & Engg(Mat. Sc)	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-803C	Renewable Energy(EE)	NO	0	NO	0	NO	0	NO	0	NO	0
	EC-803D	Audio & Speech Processing(CSE)	NO	0	NO	0	NO	0	NO	0	NO	0

EE B. Tech. Elective Subjects

Academic session	Course	Name of elective paper	No. of Students
2015-16	B.Tech 5th	1. Micro Processor & Micro Controller(EE-504 C), 2. Micro Processor & Micro Controller LAB(EE-594C)	145
	B.Tech 6th	1. Data Base Management System(EE-604B), 2. Digital Signal Processing(EE-605A), 3. Data Base Management System LAB(EE-694B)	142
	B.Tech 7th	1. Power System III(EE-703A) 2. Power Generation and Economics(EE-704C) 3. Digital Image Processing(EE-705D) 4. Digital Image Processing LAB(EE-792D)	147
	B.Tech 8th	1. HVDC transmission(EE-801A) 2. Process control(EE-802D)	147

2016-17	B.Tech 5th	1. Micro Processor & Micro Controller (EE-504 C), 2. Micro Processor & Micro Controller LAB (EE-594C)	145
	B.Tech 6th	1. Data Base Management System (EE-604B), 2. Digital Signal Processing (EE-605A), 3. Data Base Management System LAB (EE-694B)	143
	B.Tech 7th	1. Power System III (EE-703A) 2. Power Generation and Economics (EE-704C) 3. Digital Image Processing (EE-705D) 4. Digital Image Processing LAB (EE-792D)	142
	B.Tech 8th	1. HVDC transmission (EE-801A) 2. Process control (EE-802D)	140
	B.Tech 5th	1. Micro Processor & Micro Controller (EE-504 C), 2. Micro Processor & Micro Controller LAB (EE-594C)	138

2017-18	B.Tech 6th	1. Data Base Management System(EE-604B), 2. Digital Signal Processing(EE-605A), 3.Data Base Management System LAB(EE-694B)	138
	B.Tech 7th	1.Power System III(EE-703A) 2.Power Generation and Economics(EE-704C) 3.Digital Image Processing(EE-705D) 4.Digital Image Processing LAB(EE-792D)	139
	B.Tech 8th	1. HVDC transmission(EE-801A) 2.Process control(EE-802D)	139
	B.Tech 5th	1.Micro Processor & Micro Controller(EE-504 C), 2. Micro Processor & Micro Controller LAB(EE-594C)	137

2018-19	B.Tech 6th	1. Data Base Management System(EE-604B), 2. Digital Signal Processing(EE-605A), 3.Data Base Management System LAB(EE-694B)	135
	B.Tech 7th	1.Power System III(EE-703A) 2.Power Generation and Economics(EE-704C) 3.Digital Image Processing(EE-705D) 4.Digital Image Processing LAB(EE-792D)	138
	B.Tech 8th	1. HVDC transmission(EE-801A) 2.Process control(EE-802D)	138
	B.Tech 5th	1.Micro Processor & Micro Controller(EE-504 C), 2. Micro Processor & Micro Controller LAB(EE-594C)	122

2019-20	B.Tech 6th	1. Data Base Management System(EE-604B), 2. Digital Signal Processing(EE-605A), 3.Data Base Management System LAB(EE-694B)	122
	B.Tech 7th	1.Power System III(EE-703A) 2.Power Generation and Economics(EE-704C) 3.Digital Image Processing(EE-705D) 4.Digital Image Processing LAB(EE-792D)	135
	B.Tech 8th	1. HVDC transmission(EE-801A) 2.Process control(EE-802D)	135

AEIE Elective Subjects

SEM	SUBJECT DOMAINS	No. of Students enrolled in & completed the course	Academic year					
			2015-16	2016-17	2017-18	2018-19	2019-20	
ELECTIVES								
V	EI 503A	Optoelectronics & Fibre Optics	Elective	00	00	00	00	00
	EI 503B	Advanced Sensors	Elective	57	18	38	39	18
	EI 504A	Data Structures & Algorithms(CS)	Elective	00	00	00	00	00
	EI 504B	Data Base Management System(CS)	Elective	57	18	38	39	18
	EI 504C	Software Engineering(IT)	Elective	00	00	00	00	00
	EI 594A	Data Structures & Algorithms Lab(CS)	Elective	00	00	00	00	00
	EI 594B	DBMS Lab(CS)	Elective	57	18	38	39	18
	EI 594C	Software Engineering Lab(IT)	Elective	00	00	00	00	00
VI	EI 604A	Bio Medical Instrumentation	Elective	57	18	38	39	18
	EI 604B	Soft Computing	Elective	00	00	00	00	00
	EI 604C	Non Destructive Testing & Ultrasonic Instrumentation	Elective	00	00	00	00	00
	EI 605A	Digital Signal Processing(EC)	Elective	57	18	38	39	18
	EI 605B	Microwave Engineering(EC)	Elective	00	00	00	00	00
	EI 605C	Antenna Theory & Propagation(EC)	Elective	00	00	00	00	00
	EI 605D	Non Conventional Energy Sources	Elective	00	00	00	00	00
	EI 704A	Communication Theory	Elective	19	30	09	00	00
EI 704B	Microelectronics & VLSI Technology	Elective	18	27	09	36	41	
EI 704C	FPGA & Reconfigurable Computing	Elective	00	00	00	00	00	
EI 705A(CS)	Computer Networking	Elective	37	57	18	36	41	
EI 705B(IT)	Multimedia	Elective	00	00	00	00	00	
EI 705C(IT)	Internet Technology	Elective	00	00	00	00	00	
EI 794A	Communication Lab	Elective	19	30	09	00	00	

VII	EI 794B	Microelectronics & VLSI Technology Lab	Elective	18	27	09	36	41
	EI 794C	FPGA & Reconfigurable Computing Lab	Elective	00	00	00	00	00
	EI 795A(CS)	Computer Networking Lab	Elective	37	57	18	36	41
	EI795B(IT)	Multimedia Lab	Elective	00	00	00	00	00
	EI 795C(IT)	Internet Technology Lab	Elective	00	00	00	00	00
VIII	EI 801A	Power Electronics	Elective	37	27	08	36	41
	EI 801B	Industrial Drives	Elective	00	00	00	00	00
	EI 801C	Power Plant Instrumentation	Elective	00	30	10	00	00
	EI 802A(EC)	Mobile Communication	Elective	00	57	10	00	00
	EI 802B(EC)	Embedded Systems	Elective	00	00	00	00	00
	EI 802C(EC)/	Digital Image Processing	Elective	37	00	08	36	41
	EI 802D(CH)	Plant Automation	Elective	00	00	00	00	00
	EI 891A(EE)	Power Electronics Lab	Elective	37	27	08	36	41
	EI 891B(EE)	Industrial Drives Lab	Elective	00	00	00	00	00
	EI 891C(EE)	Power Plant Instrumentation Lab	Elective	00	30	10	00	00

ME Elective Subjects			Pass-out year					
			2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	
SEM	SUBJECT DOMAINS	No.of Students enrolled in & completed the course						
V	B.TECH OLD SYLLEBUS							
	ME 505A	Electrical Machines	Elective	153	144	144	148	132
	ME505B	Applied Fluid Mechanics	Elective					
	ME 595A	Electrical Machine lab	Elective	153	144	144	148	132
	ME595B	Applied Fluid Mechanics lab	Elective					
VI	ME 604A	Air Conditioning & Refrigeration	Elective					
	ME 604B	Mechatronics	Elective	153	144	144	148	132
	ME 604C	Fluid Power Control	Elective					
	ME 605A	Materials Handling	Elective	66	69	68	76	66
	ME 605B	Finite Element Method	Elective					
	ME 605C	Turbo Machinery	Elective	66	69	68	76	66
	ME 695A	Air Conditioning & Refrigeration Lab	Elective					
	ME 695B	Mechatronics Laboratory	Elective	153	144	144	148	132
	ME 695C	Fluid Power Control Lab	Elective					
	ME 703A	Maintenance Engineering	Elective	152	151	145	153	148
	ME 703B	Renewable Energy Systems	Elective					

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ME 703C	Tribology	Elective	152	151	145	153	148
ME 704A	Quantity Production Method	Elective					
ME 704B	Advanced Welding Technology	Elective	152	151	145	153	148
ME 704C	Computational Methods in Engineering	Elective					
ME 705A	Software Engineering	Elective					
ME 705B	Industrial Instrumentation	Elective					
ME 705C	Operations Research	Elective	151	141	144	145	148
ME 705D	Biomechanics & Biomaterials	Elective					

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ME 802A	CAD/CAM	Elective	74	80	75	75	74
ME 802B	Industrial Robotics	Elective	73	76	69	75	74
ME 802C	Energy Conservation & Management	Elective					
ME 802D	Quality & Reliability Engineering	Elective					
ME 803A	Safety & Occupational Health	Elective					
ME 803B	Automation & Control	Elective					
ME 803C	Water Resource Engineering	Elective	73	76	69	75	74
ME 803D	Automobile Engineering	Elective	74	77	69	75	74

CE B. Tech. Elective Subjects

CE B. Tech. Elective Subjects			No of Students opted				
SEM	PAPER CODE	Course offered	2015-16	2016-17	2017-18	2018-19	2019-20
7TH SEM	CE703C	Advanced Highway and Transportation Engineering	73	146	143	146	142
	CE704B	Hydraulic Structures	73	146	143	146	142
	CE705A	Engineering Materials (ME303)	73	146	143	146	142
	CE793A	Material Testing Lab (ME493)	73	146	143	146	142
8TH SEM	CE604B	Prestressed Concrete	146	143	146	142	116
	CE605B	Human Resource Management(HSS)	146	143	146	142	116
	CE801A	Environmental Pollution and Control	73	146	143	146	142
	CE802C	Design of Tall Buildings	73	146	143	146	142

MBA Elective Subjects 2016-2019 Passout			Pass-out year				
			2016	2017	2018	2019	
SEM	SUBJECT DOMAINS	No. of Students enrolled in & completed the course	19	31	34	52	
	MARKETING SPECIALIZATION						
	MM 301	SALES & DISTRIBUTION MANAGEMENT	Elective	18	23	30	49
	MM 302	ADVERTISING & SALES PROMOTION	Elective	9	8	7	24
	MM 303	MARKETING RESEARCH	Elective	9	8	7	24
	FINANCE SPECIALIZATION						
	FM 301	CORPORATE TAXATION & TAX PLANNING	Elective	2	10	19	19
	FM 302	CORPORATE FINANCE	Elective	2	10	19	19
	FM 303	SECURITY ANALYSIS & PORTFOLIO MANAGEMENT	Elective	4	20	22	37
	HR SPECIALIZATION						
	HR 301	EMPLOYMENT & COMPENSATION ADMINISTRATION	Elective	8	13	8	9
	HR 302	HUMAN RESOURCE PLANNING	Elective	15	17	14	18
	HR 303	LABOUR LAWS	Elective	8	13	8	9
	SYSTEMS SPECIALIZATION						
	SM 301	DATABASE MANAGEMENT	Elective	0	2	2	0
	SM 302	SYSTEM ANALYSIS & DESIGN	Elective	0	0	0	0

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SM 303	COMPUTER AIDED MANAGEMENT	Elective	0	0	0	0
MARKETING SPECIALIZATION						
MM 404	INTERNATIONAL MARKETING	Elective	9	8	7	24
MM 405	SERVICE MARKETING	Elective	18	23	30	49
MM 406	CONSUMER BEHAVIOUR	Elective	9	8	7	24
FINANCE SPECIALIZATION						
FM 404	FINANCIAL INSTITUTES AND MARKETS	Elective	4	20	22	37
FM 405	INTERNATIONAL FINANCE	Elective	2	10	19	19
FM 406	DERIVATIVES AND RISK MANEGEMENT	Elective	2	10	19	19
HR SPECIALIZATION						
HR 404	INDUSTRIAL RELATIONS	Elective	8	13	8	9
HR 405	ORGANIZATIONAL DEVELOPMENT	Elective	8	13	8	9
HR 406	HUMAN RESOURCE DEVELOPMENT	Elective	15	17	14	18
SYSTEMS SPECIALIZATION						
SM 404	SOFTWARE MANAGEMENT	Elective	0	0	0	0
SM 405	E - BUSINESS	Elective	0	2	2	0
SM 406	FUNDAMENTALS OF NETWORKING	Elective	0	0	0	0

			Pass-out year
MBA Elective Subjects 2020 Passout			2020
SEM	SUBJECT DOMAINS	No.of Students enrolled in &completed the course	60
III	MARKETING SPECIALIZATION		
	MM 301	B2B MARKETING	Elective 23
	MM 302	DIGITAL & SOCIAL MEDIA MARKETING	Elective 33
	MM 303	IMC/ PROMOTION STRATEGY	Elective 33
	MM 304	MARKETING RESEARCH	Elective 23
	FINANCE SPECIALIZATION		
	FM 301	TAXATION	Elective 13
	FM 302	PROJECT APPRAISAL & FINANCE	Elective 13
	FM 303	BEHAVIORAL FINANCE	Elective 13
	FM 304	CORPORATE FINANCE	Elective 13
	HR SPECIALIZATION		
	HR 301	TEAM DYNAMICS AT WORK	Elective 24
	HR 302	HR METRICS AND ANALYTICS	Elective 14
	HR 303	CROSS CULTURAL MANAGEMENT	Elective 24
	HR 304	ORGANIZATIONAL DESIGN	Elective 14
	MARKETING SPECIALIZATION		

IV

MM 401	CONSUMER BEHAVIOUR	Elective	33
MM 402	RETAIL MANAGEMENT	Elective	33
MM 403	SALES & DISTRIBUTION MANAGEMENT	Elective	23
MM 404	SERVICE MARKETING	Elective	33
MM 405	PRODUCT & BRAND MANAGEMENT	Elective	23
MM 406	INTERNATIONAL MARKETING	Elective	33
FINANCE SPECIALIZATION			
FM 401	INVESTMENT ANALYSIS & PORTFOLIO MANAGEMENT	Elective	13
FM 402	MANAGING BANKS & FINANCIAL INSTITUTIONS	Elective	13
FM 403	MERGERS, ACQUISITION & CORPORATE RESTRUCTURING	Elective	13
FM 404	FINANCIAL DERIVATIVES	Elective	13
FM 405	INTERNATIONAL FINANCE	Elective	13
FM 406	FINANCIAL MARKETS & SERVICES	Elective	13
HR SPECIALIZATION			
HR 401	MANPOWER PLANNING RECRUITMENT & SELECTION	Elective	14
HR 402	EMPLOYEE RELATIONS & LABOUR LAWS	Elective	14
HR 403	COMPENSATION & BENEFITSMANAGEMENT	Elective	14
HR 404	PERFORMANCE MANAGEMENT SYSTEMS	Elective	14
HR 405	STRATEGIC HRM	Elective	24
HR 406	INTERNATIONAL HRM	Elective	24

MCA Elective Subjects			Academic year					
			2015-16	2016-17	2017-18	2018-19	2019-20	
SEM	SUBJECT DOMAINS	No. of Students enrolled in & completed the course						
V	ELECTIVES							
	MCA E501A	Distributed Database Management	Elective	45	38	21	11	20
	MCA E501B	Image Processing	Elective	11	00	00	00	00
	MCA E501C	Parallel Programming	Elective	00	00	00	00	00
	MCA E502A	System Administration and LINUX	Elective	29	17	21	11	20
	MCA E502B	Windows Programming with VB	Elective	27	21	21	11	20
	MCA E503A	Advanced UNIX Programming	Elective	00	00	00	00	00
	MCA E503B	Object oriented Programming with JAVA	Elective	56	38	21	11	20
	MCA E504A	Compiler Design	Elective	00	00	00	00	00
	MCA E504B	E-Commerce	Elective	56	38	21	11	20
	MCA E592A	System Administration and LINUX	Elective	29	17	21	11	20
MCA E592B	Windows Programming with VB	Elective	27	21	21	11	20	

OLD SYLLABUS		ECE M. Tech. Elective Subjects	Academic Year									
SEM	Paper Code		Name of Elective Course	2015-2016		2016-2017		2017-2018		2018-2019		2019-2020
			Course offered	No of Students opted	Course offered	No of Students opted	Course offered	No of Students opted	Course offered	No of Students opted	Course offered	No of Students opted
1ST	MCE105A	Computer communication & networking	YES	5	YES	3	YES	4	YES	2	NA	
	MCE105B	Telecommunication engineering	NO	0	NO	0	NO	0	NO	0	NA	
	MCE105C	Statistical communication	NO	0	NO	0	NO	0	NO	0	NA	
	MCE105D	Microwave applications	NO	0	NO	0	NO	0	NO	0	NA	
	MCE105E	Remote sensing technique & applications	NO	0	NO	0	NO	0	NO	0	NA	
2ND	MCE204A	Cryptography & network security	YES	5	YES	3	YES	4	YES	2	NA	
	MCE204B	Artificial intelligence & soft computing	NO	0	NO	0	NO	0	NO	0	NA	
	MCE204C	Integratable circuits & Design	NO	0	NO	0	NO	0	NO	0	NA	
	MCE204D	Microwave measurement Techniques	NO	0	NO	0	NO	0	NO	0	NA	
	MCE205A	Satellite communication	YES	5	YES	3	YES	4	YES		NA	
	MCE205A	Image processing & pattern recognition	NO	0	NO	0	NO	0	NO	0	NA	
	MCE205A	Multimedia communication	NO	0	NO	0	NO	0	NO	0	NA	
MCE205A	Advanced antenna and wave propagation	NO	0	NO	0	NO	0	NO	0	NA		
3RD	MCE302A	EMI/EMC	YES	8	YES	5	YES	3	YES	4	YES	2
	MCE302B	Ad-hoc networking	NO	0	NO	0	NO	0	NO	0	NO	0
	MCE302C	Optical signal processing	NO	0	NO	0	NO	0	NO	0	NO	0
	MCE302D	Convergence in communication technology	NO	0	NO	0	NO	0	NO	0	NO	0
NEW SYLLABUS		SESSION START 2019-20										
1ST	MCE103A	Wireless Sensor Networks	NA		NA		NA		NA		YES	1
	MCE103B	Optical Networks	NA		NA		NA		NA		NO	0
	MCE103C	Statistical Information Processing	NA		NA		NA		NA		NO	0
	MCE104A	Cognitive Radio	NA		NA		NA		NA		NO	0
	MCE104B	RF and Microwave Circuit Design	NA		NA		NA		NA		YES	1
	MCE104C	DSP Architecture	NA		NA		NA		NA		NO	0
	MCE106A	English for Research Paper Writing	NA		NA		NA		NA		YES	1
	MCE106B	Pedagogy Studies	NA		NA		NA		NA		NO	0

	MCE106C	Value Education	NA		NA		NA		NA		NO	0
	MCE106D	Stress Management by Yoga	NA		NA		NA		NA		NO	0
2ND	MCE203A	Satellite Communication	NA		NA		NA		NA		YES	1
	MCE203B	Internet of Things	NA		NA		NA		NA		NO	0
	MCE203C	Voice and data networks	NA		NA		NA		NA		NO	0
	MCE204A	Markov Chain and Queuing System	NA		NA		NA		NA		NO	0
	MCE204B	MIMO System	NA		NA		NA		NA		YES	1
	MCE204C	Programmable Networks –SDN, NFV	NA		NA		NA		NA		NO	0
	MCE205A	Personality Development through Life Enlightenment Skills.	NA		NA		NA		NA		YES	1
	MCE205B	Sanskrit for Technical Knowledge	NA		NA		NA		NA		NO	0
	MCE205C	Constitution of India	NA		NA		NA		NA		NO	0
	MCE205D	Disaster Management	NA		NA		NA		NA		NO	0

OLD SYLLABUS		EE M. Tech. Elective Subjects										
SEM	Paper Code	Name of Elective Course	2015-2016		2016-2017		2017-2018		2018-2019		2019-2020	
			Course offered	No of Students opted	Course offered	No of Students opted	Course offered	No of Students opted	Course offered	No of Students opted	Course offered	No of Students opted
1ST	PSM-103A	Power System Planning and Reliability	YES	12	YES	7	YES	11	YES	7	YES	2
	PSM-104A	Optimization Techniques	YES	0	YES	0	YES		YES		YES	
2ND	PSM 204B	Flexible a.c transmission system	YES	12	YES	7	YES	11	YES	6	YES	2
	PSM 205C	Advance Microprocessor&Microcontroller	YES	0	YES	0	NO		NO		NO	
	PSM 205A	Advance control system	NO	0	NO	0	YES		YES		YES	
3RD	PSM-301A	Non Conventional Energy	YES	11	YES	11	YES	7	YES	10	YES	6

ME M. Tech. Elective Subjects				Pass-out year				
				2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
SEM	SUBJECT DOMAINS		No. of Students enrolled in & completed the course					
M.TECH								
i	MME 103A	Advanced Metal Cutting Theory	Elective	7	1	8	9	4
	MME 103B	Production Tooling & Equipment	Elective					
	MME 103C	Advanced Machining Process	Elective					
	MME 104A	Numerical Method & Optimization Technique	Elective					
	MME 104B	Advanced CAD/CAM	Elective					
	MME 104C	Production Planning & Control	Elective	7	1	8	9	4
	MME 104D	Conduction and Radiation Heat Transfer	Elective					
	MME 203A	Design of Material Handling Equipment	Elective	7	1	8	9	4
	MME 203B	Theory of Elasticity & Plasticity	Elective					
	MME 203C	Design & Performance of Machine tool	Elective					
	MME 203D	Advanced Welding Technology	Elective					

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MME 204A	Advanced Robotics	Elective	7	1	8	9	4
MME 204B	Engineering Fracture Mechanics	Elective					
MME 204C	Finite Element Method in Engineering	Elective					
MME 204D	Composite Material & Structure	Elective					
MME 205A	Advanced Metrology	Elective	7	1	8	9	4
MME 205B	Value & Ethics in Industrial management	Elective					
MME 205C	Statistical Process Control	Elective					
MME 205D	Engineering System & Control	Elective					

CSE M. Tech. Elective _ Old			Academic year					
			2015-16	2016-17	2017-18	2018-19	2019-20	
SEM	SUBJECT DOMAINS	NO. OF Students enrolled in & completed the course						
	ELECTIVES							
I	PGCSE105A	Artificial Neural Networks	Elective	05	04	04	06	
	PGCSE105B	Agent Based Intelligent Systems	Elective					
	PGCSE105C	Advanced Soft Computing	Elective					02
	PGCSE105D	Object Oriented Information System Design	Elective					
	PGCSE105E	Software Engineering & CASE tools	Elective					
	PGCSE105F	Computer Graphics & Multimedia	Elective					
II	PGCSE204A	Cluster, Grid and Cloud Computing	Elective					
	PGCSE204B	Mobile Computing	Elective					
	PGCSE204C	Advanced Web Technology	Elective					
	PGCSE204D	Soft Computing	Elective	04	04	04	06	02
	PGCSE204E	Cryptography & Computer Security	Elective					
	PGCSE205A	Image Processing	Elective					
	PGCSE205B	Pattern Recognition	Elective					
	PGCSE205C	Real-time Embedded Systems & Programming	Elective					
	PGCSE205D	Complex Systems	Elective					
PGCSE205E	Distributed System Principle	Elective	04	04	04	06	02	
III	PGCSE301A	Project Management & Entrepreneurship	Elective					
	PGCSE301B	Teaching & Research Methodologies	Elective	01	04	04	04	06
	PGCSE302A	Human Computer Interaction	Elective					
	PGCSE303B	Bioinformatics	Elective					



PGCSE304C	Data Mining & Data Ware Housing	Elective	01	04	04	04	06
PGCSE305D	Compiler Construction	Elective					
PGCSE306E	VLSI Design	Elective					