

DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR			
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING			
B.TECH 5TH SEMESTER (AY 2021-22)			
NEW SYLLABUS			
SRL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	PEC-IT 501A	Theory of Computation	0
2	PEC-IT 501B	Artificial Intelligence	140
3	PEC-IT 501C	Advanced Computer Architecture	0
4	PEC-IT 501D	Computer Graphics	0

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SRL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	PEC IT601A	Advanced Algorithms	140
2	PEC IT601B	Distributed Systems	0
3	PEC IT601C	Signals & Systems	0
4	PEC IT601D	Image Processing	0
5	PEC IT602A	Parallel and Distributed Algorithms	0
6	PEC IT602B	Data Warehousing & Data Mining	140
7	PEC IT602C	Human Computer Interaction	0
8	PEC IT602D	Pattern Recognition	0
9	OEC IT601A	Numerical Methods	140
10	OEC IT601B	Human Resource Development and Organizational Behavior	0

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SRL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	PEC- CS701A	Quantum Computing	0
2	PEC- CS701B	Cloud Computing	1
3	PEC- CS701C	Digital Signal Processing	0
4	PEC- CS701D	Multi-agent Intelligent Systems	0
5	PEC- CS701E	Machine learning	132
6	PEC- CS702A	Neural Networks and Deep Learning	3
7	PEC- CS702B	Soft Computing	0
8	PEC- CS702C	Ad-Hoc and Sensor Networks	0
9	PEC- CS702D	Information Theory and Coding	0
10	PEC- CS702E	Cyber Security	130
11	OEC- CS701A	Operations Research	133
12	OEC- CS701B	Multimedia Systems	0
13	OEC- CS701C	Introduction to Philosophical Thoughts	0

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SRL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	PEC- CS801A	Signals and Networks	0
2	PEC- CS801B	Cryptography & Network Security	0
3	PEC- CS801C	Speech and Natural Language Processing	0
4	PEC- CS801D	Web and Internet Technology	0
5	PEC- CS801E	Internet of Things	133
6	OEC- CS801A	Big Data Analysis	0
7	OEC- CS801B	Cyber Law and Ethics	133
8	OEC- CS801C	Mobile Computing	0
9	OEC- CS801D	Robotics	0
10	OEC- CS801E	Soft Skill & Interpersonal Communication	0
11	OEC- CS802A	E-Commerce and ERP	133
12	OEC- CS802B	Micro-electronics and VLSI Design	0
13	OEC- CS802C	Economic Policies in India	0

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SRL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	CS-504A	Circuit Theory & Network	0
2	CS-504B	Data Communication	0
3	CS-504C	Digital Signal Processing	0
4	CS-504D	Object Oriented Programming(IT)	0
5	CS-594A	Circuit Theory & Network Lab	0
6	CS-594B	Data Communication Lab	0
7	CS-594C	Digital Signal Processing Lab	0
8	CS-594D	Object Oriented Programming(IT) Lab	0

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SRL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	CS-604A	Information Theory & Coding	0
2	CS-604B	Computer Graphics	0
3	CS-604C	ERP	0
4	CS-605A	Operation Research	0
5	CS-605B	Human Resource Management(HSS)	0
6	CS-605C	Multimedia Technology	0

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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**B.TECH 7TH SEMESTER (AY 2021-22)**

**OLD SYLLABUS**

SRL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
	CS-703A	Pattern Recognition	0
	CS-703B	Soft Computing	1
	CS-703C	Artificial Intelligence	0
	CS-703D	Image Processing	0
	CS-704A	Distributed Operating System	0
	CS-704B	Cloud Computing	0
	CS-704C	Data Warehousing and Data Mining	1
	CS-704D	Sensor Networks	0
	CS-704E	Mobile Computing	0
	CS-705A	Internet Technology	1
	CS-705B	Micro Electronics & VLSI Design	0
	CS-705C	Control System	0
	CS-705D	Modelling & Simulation	0
	CS-793A	Pattern Recognition Lab	0
	CS-793B	Soft Computing Lab	1
	CS-793C	Artificial Intelligence Lab	0
	CS-793D	Image Processing Lab	0
	CS-795A	Internet Technology Lab	1
	CS-795B	Micro Electronics & VLSI Design Lab	0
	CS-795C	Control System Lab	0
	CS-795D	Modelling & Simulation Lab	0

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

B.TECH 8TH SEMESTER (AY 2021-22)

OLD SYLLABUS

SRL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	HU-801A	Organisational Behaviour	1
2	HU-801B	Project Management	0
3	CS-801A	Advanced Computer Architecture	0
4	CS-801B	Parallel Computing	0
5	CS-801C	Natural Language Processing	0
6	CS-801D	Cryptography & Network Security	1
7	CS-801E	Bussiness Analytics	0
8	CS-802A	Technology Management	0
9	CS-802B	Cyber Law & Security Policy	0
10	CS-802C	Optical Networking	0
11	CS-802D	Low Power Circuits & Systems	0
12	CS-802E	E-Commerce	1
13	CS-802F	Robotics	0

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*IT EVEN SEMESTER 2022 (FEBRUARY TO JUNE)*

6 TH SEMESTER(PAPER NAME)	PAPER CODE	NO OF STUDENTS
(Elective-II) Advanced Algorithm	PEC-IT601A	61
Distributed Systems	PEC-IT601B	0
Signals & Systems	PEC-IT601C	0
Image Processing	PEC-IT601D	0
(Elective-III) Parallel and Distributed Algorithms	PEC-IT602A	0
Data Warehousing & Data Mining	PEC-IT602B	61
Human Computer Interaction	PEC-IT602C	0
Pattern Recognition	PEC-IT602D	0
(Open Elective-) Numerical Methods	OEC-IT601A	61
Human Resource Development and Organizational Behaviour	OEC-IT601B	0
8 TH SEMESTER (PAPER NAME)		
(Elective-VI) Signals and Networks	PEC IT801A	0
Cryptography & Network Security	PEC-IT801B	67
Speech and Natural Language Processing	PEC IT801C	0
Internet of Things	PEC-IT801D	0
Remote Sensing and GIS	PEC-IT801E	0
(Open Elective-III) Big Data Analysis	OEC-IT801A	0
Cyber Law and Ethics	OEC-IT801B	67
Mobile Computing	OEC-IT801C	0
Bioinformatics	OEC-IT801D	0
Robotics	OEC-IT801E	0
(Open Elective-IV) E-Commerce and ERP	OEC-IT802A	67
Micro-electronics and VLSI Design	OEC-IT802 B	0
Economic Policies in India	OEC-IT802 C	0

**NEW ECE B.TECH IN ECE**

Semester	Paper Code	Name of Elective Course	2021-22	
			Course offered	No of Students opted
5TH	PE-EC 505A	Nano Electronics	YES	121
	PE-EC 505B	Speech and Audio Processing	YES	1
	PE-EC 505C	Power Electronics	YES	15
	PE-EC 505D	Scientific Computing	NO	0
	OE-EC506A	Soft Skill and Interpersonal Communication	YES	137
	OE-EC506B	Cyber Law & Intellectual Property V Rights	NO	0
	OE-EC506C	Human Resource Management	NO	0
6TH	PE-EC603A	Introduction to MEMS	NO	0
	PE-EC603B	Bio-Medical Electronics	NO	0
	PE-EC603C	CMOS VLSI Design	YES	53
	PE-EC603D	Information Theory and Coding	YES	84
	OE-EC604A	Electronic Measurements and Measuring Instruments	YES	137
	OE-EC604B	Operating System	NO	0
	OE-EC604C	Object Oriented Programming	NO	0
7TH	PE-EC701A	Microwave Theory and Techniques	NO	0
	PE-EC701B	Satellite Communication	NO	0
	PE-EC701C	Mobile Communication and Networks	YES	136
	PE-EC702A	Adaptive Signal Processing	NO	0
	PE-EC702B	Digital Image and Video Processing	YES	136
	PE-EC702C	Neural Network and Fuzzy Logic Control	NO	0
	PE-EC703A	Embedded System	YES	136
	PE-EC703B	Wireless Sensor Networks	NO	0
	PE-EC703C	Wavelet Transforms	NO	0
	OE-EC704A	Web Technology	YES	136
	OE-EC704B	Optimisation Technique	NO	0
	OE-EC704C	Entrepreneurship	NO	0
8TH SEM	PE-EC801A	Antennas and Propagation	NO	0
	PE-EC801B	Fibre Optic Communication	YES	136
	PE-EC801C	Error Correcting Codes	NO	0
	PE-EC802A	Mixed Signal Design	NO	0
	PE-EC802B	Industrial Automation and Control	YES	136
	PE-EC802C	VLSI Design Automation	NO	0
	OE-EC803A	Internet of Things(IoT)	NO	0
	OE-EC803B	Big Data Analysis	YES	136
	OE-EC803C	Cyber Security	NO	0
	OE-EC804A	Artificial Intelligence	YES	136
	OE-EC804B	Microwave Integrated Circuits	NO	0
	OE-EC804C	Organisational Behaviour	NO	0

EE B. Tech. Elective Subjects			Academic Year	
SEM	Paper Code	Name of Elective Subjects	2021-22	
			Course offered	No of Students opted
5th	OE-EE 501A	DATA STRUCTURE & ALGORITHM	Yes	124
	OE-EE 501B	OBJECT ORIENTED PROGRAMMING	No	0
	OE-EE 501C	COMPUTER ORGANISATION & ARCHITECTURE	No	0
	PE-EE 501A	HIGH VOLTAGE ENGINEERING	No	0
	PE-EE 501B	POWER PLANT ENGINEERING	Yes	124
	PE-EE 501C	RENEWABLE & NON CONVENTIONAL ENERGY	No	0
6th	PE-EE-601A	DIGITAL CONTROL SYSTEM	No	0
	PE-EE-601B	HVDC TRANSMISSION	Yes	124
	PE-EE-601C	ELECTRICAL MACHINE DESIGN	No	0
	PE-EE-602A	ELECTRICAL AND HYBRID VEHICLE	Yes	124
	PE-EE-602B	POWER QUALITY AND FACTS	No	0
	PE-EE-602C	INDUSTRIAL ELECTRICAL SYSTEMS	No	0
	OE-EE 601A	DIGITAL SIGNAL PROCESSING	Yes	124
	OE-EE 601B	COMMUNICATION ENGINEERING	No	0
	OE-EE 603C	VLSI AND MICRO ELECTRONICS	No	0
7th	PE-EE 701A	CONTROL SYSTEM DESIGN	No	0
	PE-EE 701B	ELECTRICAL ENERGY CONSERVATION & AUDITING	No	0
	PE-EE 701C	POWER GENERATION AND ECONOMICS	Yes	129
	OE-EE 701A	ARTIFICIAL INTELLIGENCE	No	0
	OE-EE 701B	INTERNET OF THINGS	No	0
	OE-EE 701C	COMPUTER GRAPHICS	Yes	129
	OE-EE-701A	EMBEDDED SYSTEM	No	0
	OE-EE-701B	DIGITAL IMAGE PROCESSING	Yes	129
	OE-EE-701C	COMPUTER NETWORK	No	0
8th	PE-EE 801A	LINE-COMMUTATED AND ACTIVE PWM RECTIFIERS	No	0
	PE-EE 801B	POWER SYSTEM DYNAMICS & CONTROL	No	0
	PE-EE 801C	ADVANCED ELECTRIC DRIVES	Yes	129
	PE-EE 801D	INDUSTRIAL AUTOMATION AND CONTROL	No	0
	OE-EE 801A	SOFT COMPUTING TECHNIQUES	No	0
	OE-EE 801B	BIOMEDICAL INSTRUMENTATION	Yes	129
	OE-EE 801C	INTRODUCTION TO MACHINE LEARNING	No	0
	OE-EE 801D	SENSORS AND TRANSDUCERS	No	0

  
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**DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR**

DEPARTMENT OF APPLIED ELECTRONICS &amp; INSTRUMENTATION ENGINEERING

B.TECH 5TH SEMESTER (AY 2021-22)

## NEW SYLLABUS

SL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	PE-EI501	Optical Instrumentation	0
2	PE-EI502	Introduction to MEMS	16
3	PE-EI503	Embedded System	16
4	PE-EI504	Power Electronics and Drives	0
5	OE-EI501	Object Oriented Programming Language	16
6	OE-EI502	Database Management Systems	0

## B. TECH 6TH SEMESTER (AY 2021-22)

## NEW SYLLABUS

SL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	OE - EI 601	Internet of Things (IoT)	16
2	OE-EI 602	Artificial Intelligence (AI)	0
3	OE- EI 603	Digital Signal Processing	16
4	OE-EI 604	Soft Computing Techniques	0

## B. TECH 7TH SEMESTER (AY 2021-22)

## NEW SYLLABUS

SL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	PE-EI 701	Mechatronics & Robotics	0
2	PE-EI 702	Digital Control System	14
3	PE-EI 703	Analytical Instrumentation	14
4	PE-EI 704	Non Destructive Testing	0
5	OE-EI-701	Telemetry & Wireless Sensor	14
6	OE-EI-702	Non-Conventional Energy System	0

**B. TECH 8TH SEMESTER (AY 2021-22)****NEW SYLLABUS**

<b>SL NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>NO. OF STUDENTS ENROLLED IN &amp; COMPLETED THE COURSE</b>
1	PE-EI 801	Power Plant Instrumentation	0
2	PE-EI 802	NANO ELECTRONICS	14
3	OE-EI 801	Digital Image Processing	14
4	OE-EI 802	Big Data Analysis	0

Paper Codes	Paper Names	Number of students in the course/ paper
PEME801A-ME1	Analysis and Performance of Fluid Machine	53
PEME801B-ME2	Power Plant Engineering	58
PEME802I- ME2	Maintenance Engineering	58
OEME801D- ME1	Industrial Pollution and Control	53
OEME801F-ME2	Waste to Energy- An Overview	58
OEME802G-ME1	Automation & Control	53
OEME802L-ME2	Data Sciences	58
PEME802F-ME1	3D Printing and Design	53
PWME601A-ME1	Internal Combustion Engines and Gas Turbines	64
PWME601A-ME2	Internal Combustion Engines and Gas Turbines	60
PWME602C-ME1	Turbo Machinery	64
PWME602G-ME2	Mechatronics	60

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Paper Codes	Paper Names	Number of students in the course/ paper
PEME701A- ME1	Automobile Engineering	53
PEME702F- ME1	Mechanical Vibration	53
OEME701H- ME1	Machine Learning	53
PEME701H- ME2	Advanced Welding Technology	58
PEME702J- ME2	CAD/CAM	58
OEME701I- ME2	Water Resource Engineering	58

  
24/2/2022

**H.O.D. / M.E.**  
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**Dr. B. C. Roy Engineering College, Durgapur**  
 Department of Civil Engineering  
 B. Tech Elective Subjects (Academic Year 2021-22)

SEM	PAPER CODE	COURSE OFFERED	NO of students opted during 2021-22		
6 <sup>TH</sup>	Elective-I	CE(PE)601A	Stability of Slopes	0	
		CE(PE)601B	Foundation Engineering	62	
		CE(PE)601C	Ground Improvement Technique	0	
	Elective-II	CE(PE)602A	Building Construction Practice	0	
		CE(PE)602B	Structural Analysis-II	62	
		CE(PE)602C	Industrial Structures	0	
	Open Elective-I	CE(OE)601A	Soft Skills and Interpersonal Communication – I	62	
		CE(OE)601B	Introduction to Philosophical Thoughts	0	
	7 <sup>TH</sup>	Open Elective-II	CE(OE)701A	Metro Systems & Engineering	85
CE(OE)701B			ICT for Development	0	
CE(OE)701C			Cyber Law & Ethics	0	
Elective-III		CE(PE)701A	Computational Hydraulics	0	
		CE(PE)701B	Disaster Preparedness and Planning	0	
		CE(PE)701C	Hydraulic Structures	85	
Elective-IV		CE(PE)702A	Prestressed concrete	85	
		CE(PE)702B	Repairs & Rehabilitation of Structures	0	
		CE(PE)702C	Finite Element Method	0	
Elective-V		CE(PE)703A	Air and Noise pollution and control	85	
		CE(PE)703B	Physico-Chemical Processes for Water and Wastewater Treatment	0	
		CE(PE)703C	Water and Air Quality Modelling	0	
Elective-VI		CE(PE)704A	Structural Dynamics	0	
		CE(PE)704B	Advance structural analysis	85	
		CE(PE)704C	Coastal Hydraulics and Sediment Transport	0	
Elective-VII		CE(PE)705A	Railway and Airport Engineering	0	
		CE(PE)705B	Pavement Design	85	
		CE(PE)705C	Transport System Planning	0	
8 <sup>TH</sup>		Elective-VIII	CE(PE)801A	GIS & Remote Sensing	0
			CE(PE)801B	Rock Mechanics	0
			CE(PE)801C	Environmental laws and Policy	0
	CE(PE)801D		Pavement materials and design	85	
	Open Elective-III	CE(OE)801A	Human Resource Development and Organizational Behaviour	0	
		CE(OE)801B	Bridge Engineering	0	
		CE(OE)801C	Deep foundations	85	
		CE(OE)801D	Groundwater Contamination	0	
	Open Elective-IV	CE(OE)802A	Soft Skills and Personality Development	0	
		CE(OE)802B	Earthquake Engineering	0	
		CE(OE)802C	Urban Transport Planning	0	
		CE(OE)802D	Environmental Impact Assessment and Life Cycle Analysis	85	



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**FMS. BCREC. DURGAPUR.**  
**MAKAUT (F/T) MBA CLASS OF 2020-22. AY 2021-22.**

<i>Specialization Papers. Semester III.</i>				
Specialisation	Paper Code	Paper Name	Major /Minor	No. of Students
Marketing	MM301	B2B Marketing	Minor	17
Marketing	MM302	Digital And Social Media Marketing	Major	40
Marketing	MM303	IMC/Promotion Strategy	Minor	17
Marketing	MM304	Marketing Research	Major	40
Finance	FM301	Taxation	Major	8
Finance	FM302	Project Appraisal and Finance	Minor	8
Finance	FM303	Behavioural Finance	Minor	8
Finance	FM304	Corporate Finance	Major	8
Human Resource	HR301	Team Dynamics at Work	Minor	20
Human Resource	HR302	HR Metrics and Analytics	Major	11
Human Resource	HR303	Cross Cultural Management	Minor	20
Human Resource	HR304	Organizational Design	Major	11
MIS	MIS301	Relational Database Management System	Minor	14
MIS	MIS302	E-Commerce and Digital Markets	Minor	14

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**FMS, BCREC, DURGAPUR.**  
**MAKAUT (F/T) MBA CLASS OF 2020-22, AY 2021-22.**

<i>Specialization Papers, Semester IV.</i>				
Specialisation	Paper Code	Paper Name	Major /Minor	No. of Students
Marketing	MM405	Product and Brand Management	Minor	17
Marketing	MM401	Consumer Behaviour	Major	40
Marketing	MM402	Retail Management	Major	40
Marketing	MM403	Sales and Distribution Management	Minor	17
Marketing	MM404	Services Marketing	Major	40
Marketing	MM406	International Marketing	Major	40
Finance	FM401	Investment Analysis And Portfolio Management	Major	8
Finance	FM402	Managing Banks and Financial Institutions	Minor	8
Finance	FM403	Mergers, Acquisition and Corporate Restructuring	Major	8
Finance	FM404	Financial Derivatives	Major	8
Finance	FM405	International Finance	Major	8
Finance	FM406	Financial Markets and Services	Minor	8
Human Resource	HR401	Manpower Planning, Recruitment and Selection	Major	11
Human Resource	HR402	Employee Relations and Labour Laws	Major	11
Human Resource	HR403	Compensation and Benefits Management	Major	11
Human Resource	HR404	Performance Management Systems	Major	11
Human Resource	HR405	Strategic HRM	Minor	20
Human Resource	HR406	International HRM	Minor	20
MIS	MIS403	Strategic Management For IT	Minor	14
MIS	MIS404	Business Decisions using Advanced Excel	Minor	14

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Dr. B. C. Roy Engineering College, Durgapur  
Department of Computer Application(MCA)

1<sup>st</sup> SEMESTER ELECTIVE PAPER DETAILS, 2021-22

Sl. No.	Paper Code	Paper Name	No. of students opted
1	MCAN-E105A	Environment and Ecology	00
2	MCAN-E105B	Management Accounting	00
3	MCAN-E105C	Constitution of India	00
4	MCAN-E105D	Stress Management through Yoga	00
5	<b>MCAN-E105E</b>	<b>Ethics in Business Profession</b>	<b>60</b>
6	MCAN-E105F	Managerial Economics	00

Dr. B. C. Roy Engineering College, Durgapur  
Department of Computer Application(MCA)

3<sup>rd</sup> SEMESTER PAPER DETAILS, 2021-22

Sl. No.	Paper Code	Paper Name	No. of students opted
1	MCAN-E304A	Image Processing	00
2	MCAN-E304B	Web Enabled JAVA Programming	00
3	MCAN-E304C	Cloud Computing	00
4	<b>MCAN-E304D</b>	<b>Web Technology using PHP</b>	<b>60</b>
5	MCAN-E304E	Android Application Development	00
6	MCAN-E304F	Basic Data Science	00
7	MCAN-E305A	Information Retrieval	00
8	MCAN-E305B	Data Warehousing and Data Mining	00
9	MCAN-E305C	Introduction to Big Data Analytics	00
10	MCAN-E305D	Graph Theory	00
11	MCAN-E305E	Operation Research and Optimization Techniques	00
12	MCAN-E305F	Pattern Recognition	00
13	<b>MCAN-E305G</b>	<b>Machine Learning</b>	<b>60</b>

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## 5<sup>th</sup> SEMESTER ELECTIVE PAPER DETAILS, 2021-22

Sl. No.	Paper Code	Paper Name	No. of students opted
1	MCA E501A	Distributed database management	20
2	MCA E501B	Image Processing	00
3	MCA E501C	Parallel Programming	00
4	MCA E502A	System Administration and Linux	00
5	MCA E502B	Windows Programming With VB	20
6	MCA E503A	Advanced Unix programming	00
7	MCA E503B	Object Oriented Programming With Java	20
8	MCA E504A	Compiler Design	00
9	MCA E504B	E-Commerce	20

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4	MCA E502A	System Administration and Linux	00
5	MCA E502B	Windows Programming With VB	20
6	MCA E503A	Advanced Unix programming	00
7	MCA E503B	Object Oriented Programming With Java	20
8	MCA E504A	Compiler Design	00
9	MCA E504B	E-Commerce	20

NEW SYLLABUS		SESSION START 2019-20	2021-22	
1ST	MCE103A	Wireless Sensor Networks	YES	2
	MCE103B	Optical Networks	NO	0
	MCE103C	Statistical Information Processing	NO	0
	MCE104A	Cognitive Radio	NO	0
	MCE104B	RF and Microwave Circuit Design	YES	2
	MCE104C	DSP Architecture	NO	0
	MCE106A	English for Research Paper Writing	YES	2
	MCE106B	Pedagogy Studies	NO	0
	MCE106C	Value Education	NO	0
	MCE106D	Stress Management by Yoga	NO	0
2ND	MCE203A	Satellite Communication	YES	2
	MCE203B	Internet of Things	NO	0
	MCE203C	Voice and data networks	NO	0
	MCE204A	Markov Chain and Queuing System	NO	0
	MCE204B	MIMO System	YES	2
	MCE204C	Programmable Networks –SDN, NFV	NO	0
	MCE205A	Personality Development through Life Enlightenment Skills.	YES	2
	MCE205B	Sanskrit for Technical Knowledge	NO	0
	MCE205C	Constitution of India	NO	0
	MCE205D	Disaster Management	NO	0
3RD	MCE 301A	High Performance Networks	NO	0
	MCE 301B	Pattern Recognition and Machine Learning	YES	3
	MCE 301C	Remote Sensing	NO	0
	MCE 302 A	Business Analytics	NO	0
	MCE 302B	Operations Research	YES	3
	MCE 302 C	Cost Management of Engineering Projects	NO	0
	MCE 302 D	Industrial Safety	NO	0
	MCE 302E	Composite Materials	NO	0
MCE 302F	Waste to Energy	NO	0	

POWER SYSTEM EE Mtech. Elective Subjects			Academic Year	
SEM	Paper Code	Name of Elective Subjects	2021-22	
			Course offered	No of Students opted
1st	PSM-103A	Power System Planning and Reliability	Yes	5
	PSM 103B	Power System Apparatus	No	0
	PSM 103C	Power Quality	No	0
	PSM-104A	Optimization Techniques	Yes	5
	PSM-104B	Soft Computing Technique	No	0
	PSM-104C	Digital Signal Processing	No	0
	PSM-104D	Object Oriented Programming	No	0
2nd	PSM-204A	Power System Transient	No	0
	PSM-204B	Flexible A.C. Transmission System	Yes	5
	PSM-204C	Advanced Electrical Drives	No	0
	PSM-205A	Advanced Control System	Yes	5
	PSM-205B	Modeling and Simulation of dynamic systems	No	0
	PSM-205C	Advanced Microprocessor and Microcontroller	No	0
3rd	PSM-301A	Non-conventional Energy	Yes	15
	PSM-301B	Power System Harmonics	No	0
	PSM-301C	Energy Management and Audit	No	0

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12/02/2022

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## ME M.TECH ELECTIVE SUBJECTS

SEM	SUBJECT DOMAINS		NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE	ACADEMIC YEAR
				2021-22
I	MME 103A	Advanced Metal Cutting Theory	Elective-I	5
	MME 103B	Production Tooling & Equipment		0
	MME 103C	Advanced Machining Process		0
	MME 104A	Numerical Method & Optimization Technique	Elective-II	0
	MME 104B	Advanced CAD/CAM		0
	MME 104C	Production Planning & Control		5
	MME 104D	Conduction and Radiation Heat Transfer		0
II	MME 203A	Design of Material Handling Equipment	Elective-III	5
	MME 203B	Theory of Elasticity & Plasticity		0
	MME 203C	Design & Performance of Machine tool		0
	MME 203D	Advanced Welding Technology		0
	MME 204A	Advanced Robotics	Elective-IV	5
	MME 204B	Engineering Fracture Mechanics		0
	MME 204C	Finite Element Method in Engineering		0
	MME 204D	Composite Material & Structure		0
	MME 205A	Advanced Metrology	Elective-V	5
	MME 205B	Value & Ethics in Industrial management		0
	MME 205C	Statistical Process Control		0
	MME 205D	Engineering System & Control		0

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

M.TECH 1ST SEMESTER (AY 2021-22)

SRL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	PGCSE105A	Artificial Neural Networks	0
2	PGCSE105B	Agent Based Intelligent Systems	0
3	PGCSE105C	Advanced Soft Computing	8
4	PGCSE105D	Object Oriented Information System Design	0
5	PGCSE105E	Software Engineering & CASE tools	0
6	PGCSE105F	Computer Graphics & Multimedia	0

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M.TECH 2ND SEMESTER (AY 2021-22)

SRL NO.	PAPER CODE	PAPER NAME	NO. OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	PGCSE204A	Cluster, Grid and Cloud Computing	0
2	PGCSE204B	Mobile Computing	0
3	PGCSE204C	Advanced Web Technology	0
4	PGCSE204D	Soft Computing	8
5	PGCSE204E	Cryptography & Computer Security	0
6	PGCSE205A	Image Processing	0
7	PGCSE205B	Pattern Recognition	0
8	PGCSE205C	Real-time Embedded Systems & Programming	0
9	PGCSE205D	Complex Systems	0
10	PGCSE205E	Distributed System Principle	8

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M.TECH 3RD SEMESTER (AY 2021-22)

SRL NO.	PAPER CODE	PAPER NAME	NO OF STUDENTS ENROLLED IN & COMPLETED THE COURSE
1	PGCSE301A	Project Management & Entrepreneurship	0
2	PGCSE 301B	Teaching & Research Methodologies	5
3	PGCSE 302A	Human Computer Interaction	0
4	PGCSE 303B	Bioinformatics	0
5	PGCSE 304C	Data Mining & Data Ware Housing	5
6	PGCSE 305D	Compiler Construction	0
7	PGCSE 306E	VLSI Design	0

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