CRITERIA-1

1.1.2 List of Employability/ Entrepreneurship/ Skill development courses offered

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY
(AUTONOMOUS)
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Recognized by UGC under 2(f) & 12(B) of 1956 Act.,
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www.amritasai.org.in,Phone: 0866-2428399

DEPARTMENT OF CIVIL ENGINEERING
List of Employability/ Entrepreneurship/ Skill development courses offered in
A.Y: 2022-23

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepr Skill development	Regulation
B.Tech (CE)	ENGLISH-I	22HS1T1	Skill development	AR22
	MATHEMATICS-I	22BS1T2	Skill development	AR22
	PHYSICS	22BS1T3	Skill development	AR22
	C PROGRAMMING	22ES1T4	Skill development	AR22
	BASICS OF ENGINEERING & TECHNOLOGY	22ES1T5	Skill development	AR22
	ENGLISH-I LAB	22HS1L1	Skill development	AR22
	PHYSICS & WORKSHOP LAB	22BS1L2	Skill development	AR22
	C PROGRAMMING LAB	20ES1L3	Skill development	AR22
	LEARNING AN ART FORM	22ES1MC1	Skill development	AR22
B.Tech (CE)	ENGLISH-II	22HS2T1	Skill development	AR22
	MATHEMATICS-II	22BS2T2	Skill development	AR22
	CHEMISTRY	22BS2T3	Skill development	AR22
	PYTHON PROGRAMMING	22ES2T4	Skill development	AR22
	BASICS OF INTERNET OF THINGS	22ES2T5	Skill development	AR22
	ENGLISH -II LAB	22HS2L1	Skill development	AR22
	CHEMISTRY & ITWS LAB	22BS2L2	Skill development	AR22
	PYTHON LAB	22ES2L3	Skill development	AR22
	ENVIRONMENTAL STUDIES	20BS2T6	Skill development	AR22
	Numerical Analysis and Statistics	20BS3T1	Skill development	AR20
	STRENGTH OF MATERIALS	20CE3T2	Skill development	AR20
B.Tech	Building Material and Construction	20CE3T3	Skill development	AR20

(CE)	Surveying and Geomatics	20CE3T4	Employability	AR20
	Fluid Mechanics	20CE3T5	Employability	AR20
	Surveying Field work –I lab	20CE3L1	Skill development	AR20
	Strength of Materials lab	20CE3L2	Skill development	AR20
	GIS Lab	20CE3L3	Skill development	AR20
	Web and Mobile Development-1	20SO3T6A	Employability	AR20
	Cloud Computing-1	20SO3T6B	Employability	AR20
	Cyber Security-1	20SO3T6C	Employability	AR20
	.Data Analyst-1	20SO3T6D	Employability	AR20
	Building Planning and Drawing	20SO3T6E	Employability	AR20
	Essence of Indian Traditional Knowledge	20MC3T7	Skill development	AR20
B.Tech (CE)	Engineering Geology	20ES4T1	Skill development	AR20
	Structural Analysis -I	20CE4T2	Skill development	AR20
	Transportation Engineering -I	20CE4T3	Employability	AR20
	Hydraulic and Hydraulic Machinery	20CE4T4	Employability	AR20
	Managerial Economics and Financial Analysis	20MC4T5	Employability	AR20
	Engineering Geology Lab	20ES4L1	Skill development	AR20
	Surveying Field work – II	20CE4L2	Skill development	AR20
	FM & HHM Lab	20CE4L3	Skill development	AR20
	Web and Mobile Development-1	20SO4T5A	Employability	AR20
	Cloud Computing-1	20SO4T5B	Employability	AR20
	Cyber Security-1	20SO4T5C	Employability	AR20
	.Data Analyst-1	20SO4T5D	Employability	AR20
	Building Planning and Drawing	20SO4T5E	Employability	AR20
	Computer Aided Drawing -1	20SO4T5F	Employability	AR20
	Constitution of India	20MC4T6	Skill development	AR20
	Design and Drawing Reinforced Concrete Structure	20CE5T1	Employability	AR20
	Concrete Technology	20CE5T2	Employability	AR20

B.Tech (CE)	Transportation Engineering -II	20CE5T3	Employability	AR20
	Open Elective-I	20CE5T4	Employability	AR20
	Professional Elective –I	20CE5T5	Employability	AR20
	Concrete Technology Lab	20CE5L1	Skill development	AR20
	Transportation Engineering Lab	20CE5L2	Skill development	AR20
	Advanced English Communication Testing	22SO5T5	Skill development	AR20
	Summer Internship	20SI5L7	Skill development	AR20
B.Tech (CE)	Design and Drawing Steel Structure	20CE6T1	Employability	AR20
	Geo-technical Engineering	20CE6T2	Employability	AR20
	Environmental Engineering	20CE6T3	Employability	AR20
	Professional Elective – II	20CE6T4	Employability	AR20
	Open Elective-II	20CE6T5	Employability	AR20
	Geo-technical Engineering Lab	20CE6L1	Employability	AR20
	Environ mental Engineer ing Lab	20CE6L2	Skill development	AR20
	Irrigation Design and Drawing Lab	20CE6L3	Employability	AR20
	Elevation Modeling Using Revit	20SO6S4	Employability	AR20
	Employability Skills	20MC6T7	Employability	AR20
B.Tech (CE)	Environmental Engineering II	18CE7T1	Skill development	AR18
	Water Resources Engineering II	18CE7T2	Skill development	AR18
	Geotechnical Engineering - II	18CE7T3	Employability	AR18
	Remote Sensing and GIS Application	18CE7T4	Employability	AR18
	Elective – I	18CE7T5	Employability	AR18
	Elective – II	18CE7T6	Skill development	AR18
	CAD and GIS Laboratory	18CE7L1	Employability	AR18
	Irrigation Design and Drawing	18CE7L2	Employability	AR18
	IPR & Patents	18CE7T7	Skill development	AR18
B.Tech (CE)	Estimation Specification and Contracts	18CE8T1	Employability	AR18
	Construction Technology and Manage	18CE8T2	Employability	AR18
	Pre-Stressed Concre	18CE8T3	Employability	AR18

Elective – II	18CE8T4	Skill development	AR18
Project Work	18CE8P1	activitie	AR18

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DEPARTMENT OF ELECTRICAL AND ELECTRNICS ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered
AY 2022-23

I YEAR I SEM				
Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.TECH EEE	Communicative English-I	22HS1T1	Employability	AR22
	Linear Algebra & Differential Equations	22BS1T2	Employability	AR22
	Engineering Chemistry	22BS1T3	Employability	AR22
	C Programming	22ES1T4	Employability	AR22
	Basics of Engineering & Technology	22ES1T5	Employability	AR22
	Communicative English Lab - I	22HS1L1	Skill development	AR22
	Engineering Chemistry & ITWS Lab	22BS1L2	Skill development	AR22
	C Programming Lab	20ES1L3	Skill development	AR22
	Learning An Art Form	22ES1MC1	Skill development	AR22
	Communicative English-II	22HS2T1	Employability	AR22
	Calculus And Transformations	22BS2T2	Employability	AR22
	Engineering Physics	22BS2T3	Employability	AR22
	Python Programming	22ES2T4	Employability	AR22
	Introduction To IOT	22ES2T5	Employability	AR22
	Communicative English Lab - II	22HS2L1	Skill development	AR22
	Engineering Physics & EWS Lab	22BS2L2	Skill development	AR22
	Python Programming Lab	22ES2L3	Skill development	AR22
	Environmental Studies	22ES2MC1	Employability	AR22
	Numerical Methods & Complex Variables	20BS3T1	Employability	AR20
	Electrical Circuit Analysis-II	20EE3T2	Employability	AR20
	Electrical Machines-I	20EE3T3	Employability	AR20
	Electronic Devices & Circuits	20BE3T4	Employability	AR20
	Power Systems-I	20EE3T5	Employability	AR20
	Electrical Circuits Laboratory	20EE3L1	Skill development	AR20
	Electrical Machines -I Laboratory	20EE3L2	Skill development	AR20
	Electronic Devices & Circuits Lab	20EE3L3	Skill development	AR20
	Electrical Safety	20EE3T6A	Skill development	AR20
	Data Analytics-I	20SE3T6B	Employability	AR20
	Cloud Computing-I	20SE3T6C	Employability	AR20
	Web & Mobile Development-I	20SE3T6D	Employability	AR20
	Cyber Security-I	20SE3T6E	Employability	AR20
	Essence of Indian Traditional Knowledge	20MC3T7	Skill development	AR20

Knowledge			
Communicative English-II	20HS4T1	Employability	AR20
Electro Magnetic Fields	20EE4T2	Employability	AR20
Control Systems	20EE4T3	Employability	AR20
Electrical Machines-II	20EE4T4	Skill development	AR20
Power Systems-II	20EE4T5	Skill development	AR20
Communicative English-II Lab	20ES4L1	Skill development	AR20
Electrical Machines-II Laboratory	20EE4L2	Skill development	AR20
Control Systems Lab	20EE4L3	Employability	AR20
Robotics And Humanoids	20SE4T6A	Employability	AR20
Data Analytics-II	20SE4T6B	Employability	AR20
Cloud Computing-II	20SE4T6C	Employability	AR20
Web & Mobile Development-II	20SE4T6D	Employability	AR20
Cyber Security-II	20SE4T6E	Employability	AR20
Electrical Measurements & Instrumentation	20EE5T1	Employability	AR20
Pulse And Digital Circuits	20EE5T2	Employability	AR20
Power Electronics & Converters	20EE5T3	Employability	AR20
Data Structures	20OE5T4	Employability	AR20
Renewable Energy Sources	20EL5T5	Employability	AR20
Electrical Measurements & Instrumentation Lab	20EE5L1	Skill development	AR20
Power Electronics Lab	20EE5L2	Skill development	AR20
Adv English Communication Skills	20SE5T6A	Employability	AR20
Professional Ethics & Human Values	20MC5T7	Employability	AR20
Internship	20EE5I1	Employability	
Micro Processor & Micro Controllers	20EE6T1	Employability	AR20
Linear And Digital IC Applications	20EE6T2	Employability	AR20
Power System Analysis	20EE6T3	Employability	AR20
Advanced Control Systems	20EL6T4	Employability	AR20
Introduction To Internet Of Things	20OE6T5	Employability	AR20
Power Systems & Simulation Lab	20EE6L1	Skill development	AR20
Micro Processor & Micro Controllers Lab	20EE6L2	Skill development	AR20
Linear And Digital Ic Applications Lab	20EE6L3	Skill development	AR20
Coding And Technical Training	20SE6T6A	Employability	AR20
Employability Skills	20MC6T7	Employability	AR20
Utilization of Electrical Energy	18EE7T1		AR18
OOPS Through JAVA	18EE7T2		AR18
Power System Operation & Control	18EE7T3		AR18
Renewable Energy Sources	18EE7T4		AR18
Instrumentation	18EE7T5		AR18
Cloud Computing	18EE7T6		AR18
Microprocessors & Microcontrollers Laboratory	18EE7L1	Skill development	AR18
Power Systems & Simulation Lab	18EE7L2	Skill development	AR18
Digital Control Systems	18EE8T1	Employability	AR18
HVDC Transmission & FACTS	18EE8T2	Employability	AR18
Electrical Distribution Systems Planning & Automation	18EE8T3	Employability	AR18
Power Quality	18EE8T4	Employability	AR18
Project	18EE8P1	Skill development	AR18

B.TECH EEE

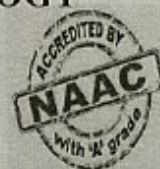# AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY
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DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

AY 2022-23

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.Tech (ECE)	Communicative English-I	22HS1T1	Skill development	AR 22
	Linear Algebra & Differential Equations	22BS1T2	Employability	AR 22
	Engineering Physics	22BS1T3	Employability	AR 22
	C Programming	22CS1T4	Employability	AR 22
	Basics Of Engineering And Technology	22EE1T5	Employability	AR 22
	Communicative English Lab-I	22HS1L1	Skill development	AR 22
	Engineering Physics & EWS Lab	22BS1L2	Employability	AR 22
	C Programming Lab	22CS1L3	Employability	AR 22
	Learning An Art Form	22MC1T6	Employability	AR 22
	Communicative English-Ii	22HS2T1	Skill development	AR 22
	Calculas And Transformations	22BS2T2	Employability	AR 22
	Engineering Chemistry	22HS2T3	Employability	AR 22
	Python Programming	22CS2T4	Employability	AR 22
	Introduction To Iot	22EC2T5	Employability	AR 22
	Communicative English Lab-Ii	22HS2L1	Skill development	AR 22
	Engineering Chemistry & Itws Lab	22HS2L2	Employability	AR 22
	Python Programming Lab	22CS2L3	Employability	AR 22
	Environmental Studies	22MC2T6	Employability	AR 22
	VLSI Design	18EC7T1	Employability	AR 18
	Digital Image Processing	18EC7T2	Employability	AR 18
	Radar Engineering	18EC7T3	Skill development	AR 18
	Optical Communications	18EC7T4	Employability	AR 18
	Robotics	18EC7T5A	Employability	AR 18
	Satellite Communication	18EC7T5B	Employability	AR 18
	Advanced Wireless Sensor Networks	18EC7T5D	Employability	AR 18
	VLSI Design lab	18EC7L1	Employability	AR 18
	Microwave and optical Communication Lab	18EC7L1	Employability	AR 18
	Summer Training Programs	18EC7T6	Skill development	AR 18

Subject	Code	Category	Regulation
Seminars	18EC7T7	Employability	AR 18
Cellular and mobile Communication	18EC8T1	Skill development	AR 18
Electronics Measurements and Instrumentation	18EC8T2	Employability	AR 18
Embedded Systems	18EC8T3	Skill development	AR 18
Speech and Audio Processing	18EC8T4A	Employability	AR 18
Television Engineering	18EC8T4B	Skill development	AR 18
Artificial Neural Networks	18EC8T4C	Employability	AR 18
Computer network	18EC8T4D	Skill development	AR 18
Electro Magnetic waves and transmission lines	20EC5T1	Employability	AR20
Pulse and Digital circuits	20EC5T2	Employability	AR20
Data structure using Java	20EC5T4	Skill development	AR20
Pulse and digital circuits lab	20EC5L1	Employability	AR20
VLSI Design Lab	20EC5L2	Employability	AR20
Verbal, quantitative and reasoning	20EC5L3	Skill development	AR20
Professional ethics and human values	20MC5T6	Skill development	AR20
Micro processors and Micro Controllers	20EC6T1	Skill development	AR20
Linear and Digital IC Applications	20EC6T2	Skill development	AR20
Control systems	20EC6T3	Employability	AR20
Radar and Navigation Systems	20EC6T4	Employability	AR20
Introduction to Machine Learning	20EC6T5	Employability	AR20
Micro processors and Micro Controllers Lab	20EC6L1	Employability	AR20
Linear and Digital IC Applications Lab	20EC6L2	Employability	AR20
Antenna Design and Microwave Engineering Lab	20EC6L3	Skill development	AR20
Coding and Technical Training	20EC6T6	Skill development	AR20
Numerical Methods and Complex Variables	20BS3TI	Skill development	AR20
Electronic Devices and Circuits	20EC3T2	Employability	AR20
Signals and Systems	20EC3T3	Employability	AR20
Switching theory and Logic Design	20EC3T4	Employability	AR20
Network Theory	20EC3T5	Employability	AR20
Electronic Devices and Circuits Lab	20EC3L1	Employability	AR20
Network Theory Lab	20EC3L2	Employability	AR20
Switching theory and Logic Design Lab	20EC3L3	Employability	AR20
PCB Design	20EC3S1	Skill development	AR20
Constitution of India	20EC3M1	Skill development	AR20
Probability and Statistics	20BS4T1	Skill development	AR20
Computer architecture and organization	20EC4T2	Employability	AR20
Electronic circuit analysis	20EC4T3	Employability	AR20
Analog and Digital Communications	20EC4T4	Employability	AR20

Communicative English -2	20EC4T5	Skill development	AR20
Matlab and Arduino programming Lab	20EC4L1	Skill development	AR20
Electronic circuit analysis Lab	20EC4L2	Employability	AR20
Analog and Digital Communications Lab	20EC4L3	Employability	AR20
Mini project on PCB	20EC4S4	Skill development	AR20

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HOD ECE

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

AY 2022-23

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.TECH CSE	ENGLISH-I	22HS1T1	Employability	AR22
	MATHEMATICS-I	22BS1T2	Employability	AR22
	PHYSICS	22BS1T3	Employability	AR22
	C PROGRAMMING	22ES1T4	Employability	AR22
	BASICS OFENGINEERING& TECHNOLOGY	22ES1T5	Employability	AR22
	ENGLISH LAB –I	22HS1L1	Skill development	AR22
	PHYSICS &WORKSHOPLAB	22BS1L2	Skill development	AR22
	C PROGRAMMINGLAB	22ES1L3	Skill development	AR22
	LEARNING AN ART FORM	2CS1MC1	Skill development	
	ENGLISH-II	22HS2T1	Employability	AR22
	MATHEMATICS-II	22BS2T2	Employability	AR22
	CHEMISTRY	22BS2T3	Employability	AR22
	PYTHON PROGRAMMING	22ES2T4	Employability	AR22
	BASICS OF IOT	22ES2T5	Employability	AR22
	ENGLISHLAB	22HS2L1	Skill development	AR22
	CHEMISTRY&ITWS LAB	22BS2L2	Skill development	AR22
	PYTHON LAB	22ES2L3	Skill development	AR22
	ENVIRONMENTAL STUDIES	22CS2MC1	Employability	AR22
	PROBABILITY AND STATISTICS	20BS3T1	Employability	AR20
	UNIX AND SHELL PROGRAMMING	20CS3T2	Employability	AR20
	ADVANCED DATA STRUCTURES AND ALGORITHMS	20CS3T3	Employability	AR20
	JAVA PROGRAMMING	20CS3T4	Employability	AR20
	DIGITAL LOGIC DESIGN	20CS3T5	Employability	AR20
	ADS&A LAB	20CS3L1	Skill development	AR20
	JAVA PROGRAMMING LAB	20CS3L2	Skill development	AR20
	UNIX AND SHELL PROGRAMMING LAB	20CS3L3	Skill development	AR20
	INTRODUCTION TO COMPUTER FUNDAMENTALS	20SE3T1	Skill development	AR20

	Subject Name	Subject Code	Category	Regulation
B.TECH CSE	ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE	20MC3T1	Employability	AR20
	PHP PROGRAMMING	20CS4T1	Employability	AR20
	COMPUTER ORGANIZATION	20CS4T2	Employability	AR20
	ADVANCED JAVA PROGRAMMING	20CS4T3	Employability	AR20
	STATISTICS WITH R PROGRAMMING	20CS4T5	Employability	AR20
	COMMUNICATIVE ENGLISH II	20HS4T1	Employability	AR20
	PHP PROGRAMMING LAB	20CS4L1	Skill development	AR20
	ADVANCED JAVA LAB	20CS4L2	Skill development	AR20
	R PROGRAMMING LAB	20CS4L4	Employability	AR20
	SOLVING PROBLEM WITH COMPUTERS	20SE4T1	Skill development	AR20
	OPERATING SYSTEM	20CS5T1	Employability	AR20
	DATABASE MANAGEMENT SYSTEMS	20CS5T2	Employability	AR20
	SOFTWARE ENGINEERING	20CS5T3	Employability	AR20
	FORMAL LANGUAGES AUTOMATA THEORY	20CS5T4A	Employability	AR20
	DESIGN AND ANALYSIS OF ALGORITHMS	20CS5T4B	Employability	AR20
	COMPILER DESIGN	20CS5T4C	Employability	AR20
	DATA STRUCTURE AND ALGORITHMS USING JAVA	20CS5T4D	Employability	AR20
	OPERATING SYSTEM LAB	20CS5L1	Skill development	AR20
	DATABASE MANAGEMENT SYSTEMS LAB	20CS5L2	Skill development	AR20
	ADV ENGLISH COMMUNICATION SKILLS LAB-I	20SE5L1	Skill development	AR20
	PROFESSIONAL ETHICS & HUMAN VALUES	20MC5T1	Skill development	AR20
	WEB TECHNOLOGIES	20CS6T1	Employability	AR20
	OBJECT ORIENTED ANALYSIS AND DESIGN USING UML	20CS6T2	Employability	AR20
	COMPUTER NETWORKS	20CS6T3	Employability	AR20
	COMPUTER GRAPHICS	20CS6T4A	Employability	AR20
	BLOCK CHAIN TECHNOLOGIES	20CS6T4B	Employability	AR20
	HUMAN COMPUTER INTERACTION	20CS6T4C	Employability	AR20

	NEURAL NETWORKS AND FUZZY LOGIC	20CS6T4D	Employability	AR20
	ANDROID MOBILE APPLICATION DEVELOPMENT	20CS6T4E	Employability	AR20
	WEB TECHNOLOGIES LAB	20CS6L1	Skill development	AR20
	OBJECT ORIENTED ANALYSIS AND DESIGN USING UML LAB	20CS6L2	Skill development	AR20
	COMPUTER NETWORKS LAB	20CS6L3	Skill development	AR20
	CODING AND TECHNICAL SKILLS	20SE6T1	Employability	AR20
	ENVIRONMENT SCIENCES/ INDUSCTION TRAINING/ INDIAN CONSTITUTION,/ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE	20MC6T1	Skill development	AR20
B.TECH CSE	Cryptography and Network Security	18CS7T1	Employability	AR18
	Hadoop and Big Data	18CS7T2	Employability	AR18
	Artificial Intelligence	18CS7T3	Employability	AR18
	Adhoc & Sensor Networks	18CS7T4	Employability	AR18
	Mobile Computing	18CS7T5A	Employability	AR18
	Cloud Computing	18CS7T5B	Employability	AR18
	Forensic Computing	18CS7T5C	Employability	AR18
	Hadoop & Big Data Lab	18CS7L1	Skill development	AR18
	J2ME & Android Programming Lab	18CS7L2	Skill development	
	Distributed Systems	18CS8T1	Employability	AR18
	Machine Learning	18CS8T2	Employability	AR18
	Internet of Things	18CS8T3A	Employability	AR18
	Natural Language Processing	18CS8T3B	Employability	AR18
	Deep learning	18CS8T3C	Employability	AR18
	Management science	18CS8T4	Employability	AR18
	Project Work		Skill development	AR18

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DEPARTMENT OF MECHANICAL ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

AY 2022-23

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.TECH MECH	ENGLISH-I	22HS1T1	Employability	AR22
	MATHEMATICS-I	22BS1T2	Employability	AR22
	PHYSICS	22BS1T3	Employability	AR22
	C PROGRAMMING	22ES1T4	Employability	AR22
	BASICS OF ENGINEERING & TECHNOLOGY	22ES1T5	Employability	AR22
	ENGLISH-I LAB	22HS1L1	Skill development	AR22
	PHYSICS & WORKSHOP LAB	22BS1L2	Skill development	AR22
	C PROGRAMMING LAB	20ES1L3	Skill development	AR22
	LEARNING AN ART FORM	22ES1MC1	Skill development	AR22
	ENGLISH-II	22HS2T1	Employability	AR22
	MATHEMATICS-II	22BS2T2	Employability	AR22
	CHEMISTRY	22BS2T3	Employability	AR22
	PYTHON PROGRAMMING	22ES2T4	Employability	AR22
	BASICS OF INTERNET OF THINGS	22ES2T5	Employability	AR22
	ENGLISH LAB	22HS2L1	Skill development	AR22
	CHEMISTRY & ITWS LAB	22BS2L2	Skill development	AR22
	PYTHON LAB	22ES2L3	Skill development	AR22
	ENVIRONMENTAL SCIENCE	22ES2MC1	Employability	AR22
	MATHEMATICS-III	22BS3T1	Employability	AR20

MECHANICS OF SOLIDS	22ME3T2	Employability	AR22
FLUID MECHANICS & HYDRAULIC MACHINES	22ME3T3	Employability	AR22
METALLURGY & MATERIAL SCIENCE	22ME3T4	Employability	AR22
MANUFACTURING PROCESS	22ME3T5	Employability	AR22
ENGINEERING GRAPHICS & DESIGN PRACTICE	22ME3L1	Skill development	AR22
MECHANICS OF SOLIDS & METALLURGY LAB	22ME3L2	Skill development	AR22
FLUID MECHANICS & HYDRAULIC MACHINES LAB	22ME3L3	Skill development	AR22
ADVANCED ENGLISH COMMUNICATION TESTING (IELTS)	22ME3S1	Skill development	AR22
INDIAN TRADITIONAL KNOWLEDGE	22ME3MC1	Skill development	AR22
BASIC THERMODYNAMICS	22ME4T1	Employability	AR22
MATHEMATCIS-IV	22ME4T2	Employability	AR22
KINEMATICS & THEORY OF MAHINES	22ME4T3	Employability	AR22
MANUFACTURING TECHNOLOGY	22ME4T4	Employability	AR22
INDUSTRIAL ENGINEERING MANAGEMENT	22HS4T5	Employability	AR22
THEORY OF MAHINES LAB	22ME4L1	Skill development	AR22
MANUFACTURING PRACTICES LAB	22ME4L2	Skill development	AR22
DRAFTING & MODELLING LAB	22ME4L3	Skill development	AR22
MINI PROJECT-I	22ME4S1	Skill development	AR22
INSTRUMENTATION AND CONTROL SYSTEMS	22ME5T1	Employability	AR20
DESIGN OF MACHINE MEMBERS-I	22ME5T2	Employability	AR22
METROLOGY	22ME5T3	Employability	AR22

OPEN ELECTIVE-I	22ME5OE1	Employability	AR22
ELECTIVE-I	22ME5E1	Employability	AR22
SIMULATION LAB	22ME5L1	Skill development	AR22
METROLOGY & INSTRUMENTATION LAB	22ME5L2	Skill development	AR22
VERBAL, QUANTATIVE & REASONING TESTING	22ME5S1	Skill development	AR22
CONSTITUTION OF INDIA	20ME5MC1	Skill development	AR22
DESIGN OF MACHINE MEMBERS-II	22ME6T1	Employability	AR22
HEAT TRANSFER	22ME6T2	Employability	AR22
CAD/CAM	22ME6T3	Employability	AR22
ELECTIVE-II	22ME6E1	Employability	AR22
OPEN ELECTIVE-II	22ME6OE1	Employability	AR22
HEAT TRANSFER LAB	22ME6L1	Skill development	AR22
	22ME6L2	Skill development	AR22
THERMAL ENGINEERING LAB	22ME6L3	Skill development	AR22
CODING & TECHNICAL TRAINING	22ME6S1	Skill development	AR22
RESEARCH METHODOLOGY	22ME6MC1	Skill development	AR22
ELECTIVE-III	22ME7E1	Employability	AR18
ELECTIVE-IV	22ME7E2	Employability	AR22
ELECTIVE-V	22ME7E3	Employability	AR22
OPEN ELECTIVE-III	22ME7OE1	Employability	AR22
OPEN ELECTIVE-IV	22ME7OE2	Employability	AR22
UNIVERSAL HUMAN VALUES	22ME7T1	Skill development	AR22
VERBAL, QUANTATIVE & REASONING TRAINING	22ME7S1	Skill development	AR22
MAJOR PROJECT/INTERNSHIP	22ME8P1	Skill development	AR22

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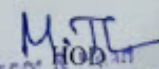www.amritasai.org.in,Phone: 0866-2428399

DEPARTMENT OF CIVIL ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in A.Y: 2022-23

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Skill development	Regulation
M.Tech (SE)	Theory of Elasticity	22SE1T1	SKIL DEVELOPMENT	AR22
	Structural Dynamics	22SE1T2	EMPLOYABILITY	AR22
	Matrix analysis of structures	22SE1T3A	EMPLOYABILITY	AR22
	Analytical&Numerical methods for structural Engineering	22SE1T3B	EMPLOYABILITY	AR22
	Design of RCC foundations	22SE1T3C	EMPLOYABILITY	AR22
	Bridge Engineering	22SE1T4A	SKIL DEVELOPMENT	AR22
	Repair & Rehabilitation of structures	22SE1T4B	SKIL DEVELOPMENT	AR22
	Advances Reinforced concrete design	22SE1T4C	EMPLOYABILITY	AR22
	Advanced Concrete Technology	22SE1T5	EMPLOYABILITY	AR22
	Advanced Concrete Technology Lab	22SE1L1	SKIL DEVELOPMENT	AR22
	Advanced Structural Engineering Lab	22SE1L2	SKIL DEVELOPMENT	AR22
	Audit course-I	22SE1A1	SKIL DEVELOPMENT	AR22
M.Tech (SE)	Finite Element Methods in Structural Engineering	22SE2T1	EMPLOYABILITY	AR22
	Theory of plates & shells	22SE2T2	EMPLOYABILITY	AR22
	Stability of structures	22SE2T3A	EMPLOYABILITY	AR22
	Advanced steel design	22SE2T3B	EMPLOYABILITY	AR22
	Analysis of off-shore structures	22SE2T3C	EMPLOYABILITY	AR22
	Earthquake resistant design of buildings	22SE2T4A	EMPLOYABILITY	AR22
	Precast and prefabricated structures	22SE2T4B	EMPLOYABILITY	AR22
	Earth retaining structures	22SE2T4C	EMPLOYABILITY	AR22
	Computer aided design lab	22SE2L1	EMPLOYABILITY	AR22
M.Tech (SE)	Design of Prestressed Concrete structures	20SE3T1A	EMPLOYABILITY	AR20
	Structural Health Monitoring	20SE3T1B	EMPLOYABILITY	AR20
	Industrial Structures	20SE3T1C	EMPLOYABILITY	AR20
	Open Elective / MOOCS		EMPLOYABILITY	AR20
	Dissertation Phase-I / Industrial Project	20SE3IP1	SKIL DEVELOPMENT	AR20
M.Tech (SE)	Project / Dissertation Phase II	20SE4MP1	SKIL DEVELOPMENT	AR20

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

M.TECH

List of Employability/ Entrepreneurship/ Skill development courses offered in A.Y- 2022-23

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
	Electrical Machine Modeling & Analysis	22PE1T1	Employability	AR22
	Analysis of Power Electronic Converters	22PE1T2	Employability	AR22
	Modern Control Theory	22PE1T3A	Employability	AR22
	Power Quality and Custom Power Devices	22PE1T3B	Employability	AR22
	Programmable Logic Controllers & Applications	22PE1T3C	Employability	AR22
	Artificial Intelligence Techniques	22PE1T4A	Employability	AR22
	Renewable Energy Technologies	22PE1T4B	Employability	AR22
	HVDC Transmission and Flexible AC Transmission Systems	22PE1T4C	Employability	AR22
	Research Methodology and IPR	22PE1T5	Employability	AR22
	Power Electronics Simulation Laboratory	22PE1L1	Skill development	AR22
	Power Converters Laboratory	22PE1L2	Skill development	AR22
	Switched Mode Power Conversion	22PE2T1	Employability	AR22
	Power Electronic Control of Electrical Drives	22PE2T2	Employability	AR22
	Control & Integration of Renewable Energy Systems	22PE2T3A	Employability	AR22
	Hybrid Electric Vehicles	22PE2T3B	Employability	AR22
	Digital Control Systems	22PE2T3C	Employability	AR22
	Advanced Digital Signal Processing	22PE2T4A	Employability	AR22
	Applications of Power Converters	22PE2T4B	Employability	AR22
	Microcontrollers	22PE2T4C	Employability	AR22
	Electric Drives Simulation Laboratory	22PE2L1	Skill development	AR22
	Electric Drives Laboratory	22PE2L2	Skill development	AR22
	Mini Project with Seminar		Skill development	AR22
	Digital Signal Processing Controlled Drives	22PE3T1A	Employability	AR22
	Smart Grid Technologies	22PE3T1B	Employability	AR22
	Modeling & Simulation of Power Electronic Systems	22PE3T1C	Employability	AR22
	Industrial Safety	22PE3T2A	Employability	AR22
	Energy Audit, Conservation & Management	22PE3T2B	Employability	AR22
	Composite Materials	22PE3T2C	Employability	AR22
	Dissertation Phase - I		Skill development	AR22
	Dissertation Phase - II		Skill development	AR22

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in A.Y: 2022-23

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Skill development	Regulation
M.Tech (CSE)	Mathematical Foundations of Computer Science	22CP1T1	EMPLOYABILITY	AR22
	Advanced Data Structures & Algorithms	22CP1T2	EMPLOYABILITY	AR22
	Big Data Analytics	22CP1T3A	EMPLOYABILITY	AR22
	Digital Image Processing	22CP1T3B	EMPLOYABILITY	AR22
	Advanced Operating Systems	22CP13C	EMPLOYABILITY	AR22
	Advanced Computer Networks	22CP1T4A	EMPLOYABILITY	AR22
	Internet of Things	22CP1T4B	EMPLOYABILITY	AR22
	Object Oriented Software Engineering	22CP1T4C	EMPLOYABILITY	AR22
	Research Methodology and IPR	22CP1C1	EMPLOYABILITY	AR22
	Advanced Data Structures & Algorithms Lab	22CP1L1	SKIL DEVELOPMENT	AR22
	Advanced Computing Lab	22CP1L2	SKIL DEVELOPMENT	AR22
	Audit Course-1	22CP1A1	SKIL DEVELOPMENT	AR22
M.Tech (CSE)	Machine learning	22CP2T1	EMPLOYABILITY	AR22
	MEAN Stack Technologies	22CP2T2	EMPLOYABILITY	AR22
	Advanced Databases and Mining	22CP2T3A	EMPLOYABILITY	AR22
	Ad Hoc & Sensor Networks	22CP2T3B	EMPLOYABILITY	AR22
	Soft Computing	22CP2T3C	EMPLOYABILITY	AR22
	Cloud Computing	22CP2T4A	EMPLOYABILITY	AR22
	Principles of computer security	22CP2T4B	EMPLOYABILITY	AR22
	High Performance Computing	22CP2T4C	EMPLOYABILITY	AR22
	Machine Learning with python lab	22CP2L1	SKIL DEVELOPMENT	AR22
	MEAN Stack Technologies Lab	22CP2L2	SKIL DEVELOPMENT	AR22
	Mini Project with Seminar	22CP2P1	SKIL DEVELOPMENT	AR22
	Audit Course-2	22CP2A1	SKIL DEVELOPMENT	AR22
M.Tech (CSE)	Deep Learning	22CP3T1A	EMPLOYABILITY	AR22
	Social Network Analysis	22CP3T1B	EMPLOYABILITY	AR22
	MOOCs-1 (NPTEL/SWAYAM) 12	22CP3T1C	EMPLOYABILITY	AR22
	Week Program related to the programme which is	22CP3T1D	EMPLOYABILITY	AR22

	not listed in the course structure			
	MOOCs-2 (NPTEL/SWAYAM)-Any 12 Week Course on Engineering/ Management/ Mathematics offered by other than parent department	22CP3T2A	EMPLOYABILITY	AR22
	Course offered by other departments in the college	22CP3T2B	EMPLOYABILITY	AR22
	Dissertation-I/ Industrial Project #	22CP3P1	SKIL DEVELOPMENT	AR22
M.Tech (CSE)	Dissertation-II	22CP4P1	SKIL DEVELOPMENT	AR22

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2022-23

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Skill development	Regulation
MCA	Computer Organization	22MC1T1	EMPLOYABILITY	AR22
	Database Management Systems	22MC1T2	EMPLOYABILITY	AR22
	Object Oriented Programming through Java	22MC1T3	EMPLOYABILITY	AR22
	Operating Systems	22MC1T4	EMPLOYABILITY	AR22
	Web Design and Development	22MC1T5	EMPLOYABILITY	AR22
	Database Management Systems Lab	22MC1L1	SKIL DEVELOPMENT	AR22
	Object Oriented Programming through Java Lab	22MC1L2	SKIL DEVELOPMENT	AR22
	Web Design and Development Lab	22MC1L3	SKIL DEVELOPMENT	AR22
	Personality Development Course (Logical Reasoning and English for Professionals	22MCA4 552	SKIL DEVELOPMENT	AR22
MCA	Statistics with R	22MC2T1	EMPLOYABILITY	AR22
	Computer Networks	22MC2T2	EMPLOYABILITY	AR22
	Design and Analysis of Algorithms	22MC2T3	EMPLOYABILITY	AR22
	Mobile Application Development	22MC2T4	EMPLOYABILITY	AR22
	Industrial Management	22MC2T5	EMPLOYABILITY	AR22
	Statistics with R Lab	22MC2L1	SKIL DEVELOPMENT	AR22
	Computer Networks Lab	22MC2L2	SKIL DEVELOPMENT	AR22
	Mobile Application Development Lab	22MC2L3	SKIL DEVELOPMENT	AR22
	Seminar	22MC2S1	SKIL DEVELOPMENT	
	Personality Development Course (Aptitude and Campus Recruitment Training)	22MCA5 455	SKIL DEVELOPMENT	AR22
MCA	Python Programming	22MC3T1	EMPLOYABILITY	AR22
	Data Mining	22MC3T2	EMPLOYABILITY	AR22
	Software Engineering	22MC3T3	EMPLOYABILITY	AR22
	ELECTIVE –I	22MC3T4	EMPLOYABILITY	AR22
	Artificial Intelligence	22MC3T4A	EMPLOYABILITY	AR22

	Computer Graphics	22MC3T4B	EMPLOYABILITY	AR22
	Distributed Systems	22MC3T4C	EMPLOYABILITY	AR22
	OptimizationTechniques	22MC3T4D	EMPLOYABILITY	AR22
	Data Mining Lab	22MC3L1	SKIL DEVELOPMENT	AR22
	Python Programming Lab	22MC3L2	SKIL DEVELOPMENT	AR22
	Professional Communication Practice Lab	22MC3L3	SKIL DEVELOPMENT	AR22
MCA	Major Project	22MC4P1	SKIL DEVELOPMENT	AR22

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

M.TECH

List of Employability/ Entrepreneurship/ Skill development courses offered in AY-2022-23
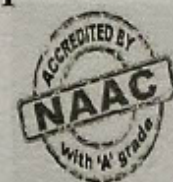
Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
M.TECH ECE	Electrical Machine Modeling & Analysis	22PE1T1	Employability	AR22
	Analysis of Power Electronic Converters	22PE1T2	Employability	AR22
	Modern Control Theory	22PE1T3A	Employability	AR22
	Power Quality and Custom Power Devices	22PE1T3B	Employability	AR22
	Programmable Logic Controllers & Applications	22PE1T3C	Employability	AR22
	Artificial Intelligence Techniques	22PE1T4A	Employability	AR22
	Renewable Energy Technologies	22PE1T4B	Employability	AR22
	HVDC Transmission and Flexible AC Transmission Systems	22PE1T4C	Employability	AR22
	Research Methodology and IPR	22PE1T5	Employability	AR22
	Power Electronics Simulation Laboratory	22PE1L1	Skill development	AR22
	Power Converters Laboratory	22PE1L2	Skill development	AR22
	Switched Mode Power Conversion	22PE2T1	Employability	AR22
	Power Electronic Control of Electrical Drives	22PE2T2	Employability	AR22
	Control & Integration of Renewable Energy Systems	22PE2T3A	Employability	AR22
	Hybrid Electric Vehicles	22PE2T3B	Employability	AR22
	Digital Control Systems	22PE2T3C	Employability	AR22
	Advanced Digital Signal Processing	22PE2T4A	Employability	AR22
	Applications of Power Converters	22PE2T4B	Employability	AR22
	Microcontrollers	22PE2T4C	Employability	AR22
	Electric Drives Simulation Laboratory	22PE2L1	Skill development	AR22
	Electric Drives Laboratory	22PE2L2	Skill development	AR22
	Mini Project with Seminar		Skill development	AR22
	Digital Signal Processing Controlled Drives	22PE3T1A	Employability	AR22
	Smart Grid Technologies	22PE3T1B	Employability	AR22
	Modeling & Simulation of Power Electronic Systems	22PE3T1C	Employability	AR22
	Industrial Safety	22PE3T2A	Employability	AR22
	Energy Audit, Conservation & Management	22PE3T2B	Employability	AR22
	Composite Materials	22PE3T2C	Employability	AR22
	Dissertation Phase - I		Skill development	AR22
	Dissertation Phase - II		Skill development	AR22

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

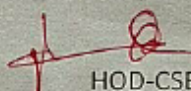### List of Employability/ Entrepreneurship/ Skill development courses offered in

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Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.TECH CSE	Communicative English-I	20HS1T1	Employability	AR20
	Ordinary Differential Equations & Calculus	20BS1T2	Employability	AR20
	Engineering Chemistry	20BS1T3	Employability	AR20
	IT workshop	20CS1T4	Employability	AR20
	Python-I	20CS1T5	Employability	AR20
	Communicative English Lab	20HS1L1	Skill development	AR20
	Engineering Chemistry Lab	20BS1L2	Skill development	AR20
	Python lab-I	20CS1L3	Skill development	AR20
	Environmental Studies	20MC1T6	Employability	AR20
	Applied Physics	20BS2T1	Employability	AR20
	Linear Algebra & Transformation	20BS2T2	Employability	AR20
	Data Structures using C++	20CS2T3	Employability	AR20
	Python-II	20CS2T4	Employability	AR20
	Engineering Graphics & Design	20CS2T5	Employability	AR20
	Engineering/ Applied Physics Lab	20BS2L1	Skill development	AR20
	Data Structures and C++ lab	20CS2L2	Skill development	AR20
	Python Lab-II	20CS2L3	Skill development	AR20
	PROBABILITY AND STATISTICS	20BS3T1	Employability	AR20
	UNIX AND SHELL PROGRAMMING	20CS3T2	Employability	AR20
	ADVANCED DATA STRUCTURES AND ALGORITHMS	20CS3T3	Employability	AR20
	JAVA PROGRAMMING	20CS3T4	Employability	AR20
	DIGITAL LOGIC DESIGN	20CS3T5	Employability	AR20
	JAVA PROGRAMMING LAB	20CS3L2	Skill development	AR20
	UNIX AND SHELL PROGRAMMING LAB	20CS3L3	Skill development	AR20
	INTRODUCTION TO COMPUTER FUNDAMENTALS	20SE3T1	Skill development	AR20
	ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE	20MC3T1	Employability	AR20

	Subject	Code	Category	Regulation
	PHP PROGRAMMING	20CS4T1	Employability	AR20
	COMPUTER ORGANIZATION	20CS4T2	Employability	AR20
	ADVANCED JAVA PROGRAMMING	20CS4T3	Employability	AR20
	STATISTICS WITH R PROGRAMMING	20CS4T5	Skill development	AR20
	COMMUNICATIVE ENGLISH II	20HS4T1	Skill development	AR20
	PHP PROGRAMMING LAB	20CS4L1	Skill development	AR20
	ADVANCED JAVA LAB	20CS4L2	Skill development	AR20
	R PROGRAMMING LAB	20CS4L4	Employability	AR20
	SOLVING PROBLEM WITH COMPUTERS	20SE4T1	Employability	AR20
	Web Technologies	18CS5T1	Employability	AR18
	Statistics with R Programming	18CS5T2	Employability	AR18
	Software Engineering	18CS5T3	Employability	AR18
	Computer Networks	18CS5T4	Employability	AR18
	Compiler Design	18CS5T5A	Employability	AR18
	Data Analytics-3	18CS5T5B	Employability	AR18
	Cloud Computing-3	18CS5T5C	Employability	AR18
	Web and Mobile Development-3	18CS5T5D	Employability	AR18
	Cyber Security-3	18CS5T5E	Employability	AR18
	Statistics with R Programming Lab	18CS5L1	Employability	AR18
B.TECH CSE	Computer Networks Lab	18CS5L2	Skill development	AR18
	Web Technologies Lab	18CS5L3	Skill development	AR18
	Professional Ethics & Intellectual Property Rights	18CS5T6	Employability	AR18
	Principles of Programming Languages	18CS6T1	Employability	AR18
	Design and Analysis of Algorithms	18CS6T2	Employability	AR18
	Data Warehousing and Data Mining	18CS6T3	Employability	AR18
	Object Oriented Analysis and Design using UML	18CS6T4	Employability	AR18
	TCP/IP Protocols	18CS6T5A	Employability	AR18
	Data Analytics-4	18CS6T5B	Employability	AR18
	Cloud Computing-4	18CS6T5C	Employability	AR18
	Web and Mobile Development-4	18CS6T5D	Employability	AR18
	Cyber Security-4	18CS6T5E	Employability	AR18
	Object Oriented Analysis and Design using UML Lab	18CS6L1	Skill development	AR18
	Data Mining Lab	18CS6L2	Skill development	AR18
	Internship & Mini Project	18CS6I1	Skill development	AR18
	Cryptography and Network Security	18CS7T1	Employability	AR18
	Hadoop and Big Data	18CS7T2	Employability	AR18
	Artificial Intelligence	18CS7T3	Employability	AR18
	Adhoc & Sensor Networks	18CS7T4	Employability	AR18
	Elective V : Mobile Computing	18CS7T5A	Employability	AR18
	Cloud Computing	18CS7T5B	Employability	AR18

	Forensic Computing	18CS7T5C	Employability	AR18
B.TECH CSE	Hadoop & Big Data Lab	18CS7L1	Skill development	AR18
	J2ME & Android Programming Lab	18CS7L2	Skill development	AR18
	Distributed Systems	18CS8T1	Employability	AR18
	Machine Learning	18CS8T2	Employability	AR18
	Internet of Things	18CS8T3A	Employability	AR18
	Natural Language Processing	18CS8T3B	Employability	AR18
	Deep learning	18CS8T3C	Employability	AR18
	Management science	18CS8T4	Employability	AR18
	Project Work		Skill development	AR18

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DEPARTMENT OF ELECTRICAL AND ELECTRNICS ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered AY 2021-22
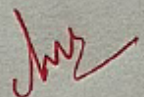
Progra m Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
			I YEAR I SEM	
B.TECH EEE	Engineering Physics	20BS1T1	Employability	AR20
	Ordinary Differential Equations & Calculus	20BS1T2	Employability	AR20
	Electrical Circuit Analysis	20ES1T3	Employability	AR20
	C Programming	20ES1T4	Employability	AR20
	Engineering Graphics And Design	20ES1T5	Employability	AR20
	Engineering /Applied Physics Lab	20BS1L1	Skill development	AR20
	C Programming Lab	20ES1L2	Skill development	AR20
	Engineering Workshop & ITWS Lab	20ES1L3	Skill development	AR20
	Communicative English-I	20HS2T1	Employability	AR20
	Linear Algebra & Transformation	20BS2T2	Employability	AR20
	Engineering Chemistry	20BS2T3	Employability	AR20
	Python programming	20ES2T4	Employability	AR20
	Engineering Mechanics	20ES2T5	Employability	AR20
	Communicative English Lab	20HS2L1	Skill development	AR20
	Engineering Chemistry Lab	20BS2L2	Skill development	AR20
	Python Lab	20ES2L3	Skill development	AR20
	Environmental Studies	20MC2T6	Employability	AR20
	Numerical Methods & Complex Variables	20BS3T1	Employability	AR20
	Electrical Circuit Analysis-II	20EE3T2	Employability	AR20
	Electrical Machines-I	20EE3T3	Employability	AR20
	Electronic Devices & Circuits	20BE3T4	Employability	AR20
	Power Systems-I	20EE3T5	Employability	AR20
	Electrical Circuits Laboratory	20EE3L1	Skill development	AR20
	Electrical Machines -I Laboratory	20EE3L2	Skill development	AR20
	Electronic Devices & Circuits Lab	20EE3L3	Skill development	AR20
	Electrical Safety	20EE3T6A	Skill development	AR20
	Data Analytics-I	20SE3T6B	Employability	AR20

	Subject	Code	Category	Regulation
	Cloud Computing-I	20SE3T6C	Employability	AR20
	Web & Mobile Development-I	20SE3T6D	Employability	AR20
	Cyber Security-I	20SE3T6E	Employability	AR20
	Essence of Indian Traditional Knowledge	20MC3T7	Skill development	AR20
	Communicative English-II	20HS4T1	Employability	AR20
	Electro Magnetic Fields	20EE4T2	Employability	AR20
	Control Systems	20EE4T3	Employability	AR20
	Electrical Machines-II	20EE4T4	Skill development	AR20
	Power Systems-II	20EE4T5	Skill development	AR20
	Communicative English-II Lab	20ES4L1	Skill development	AR20
	Electrical Machines-II Laboratory	20EE4L2	Skill development	AR20
	Control Systems Lab	20EE4L3	Employability	AR20
	Robotics And Humanoids	20SE4T6A	Employability	AR20
	Data Analytics-II	20SE4T6B	Employability	AR20
	Cloud Computing-II	20SE4T6C	Employability	AR20
	Web & Mobile Development-II	20SE4T6D	Employability	AR20
	Cyber Security-II	20SE4T6E	Employability	AR20
B.TECH EEE	Power Electronics	18EE5T1	Employability	AR18
	Power System Analysis	18EE5T2	Employability	AR18
	Signals and Systems	18EE5T3	Employability	AR18
	Pulse & Digital Circuits	18EE5T4	Employability	AR18
	Management Science	18EE5T5A	Employability	AR18
	Cloud Computing-III	18EE5T5B	Employability	AR18
	Cyber security-III	18EE5T5C	Employability	AR18
	Data Analytics-III	18EE5T5D	Employability	AR18
	Web & Mobile App development-III	18EE5T5E	Employability	AR18
	IPR & Patents	18EE5T6	Employability	AR18
	Electrical Machines-II Laboratory	18EE5L1	Skill development	AR18
	Control Systems & Simulation Laboratory	18EE5L2	Skill development	AR18
	Electrical Measurements Laboratory	18EE5L3	Skill development	AR18
	Power Electronic Controllers & Drives	18EE6T1	Employability	AR18
	Micro Processors and Micro controllers	18EE6T2	Employability	AR18
	Switchgear and Protection	18EE6T3	Employability	AR18
	Linear IC Applications	18EC6T4	Employability	AR18
	Cloud Computing-IV	18EE6T5A	Employability	AR18
	Cyber security- IV	18EE6T5B	Employability	AR18
	Data Analytics- IV	18EE6T5C	Employability	AR18
	Web & Mobile App development- IV	18EE6T5D	Employability	AR18
	Data Structures	18EE6T6	Employability	AR18
	Data Structures Laboratory	18EE6L1	Skill development	AR18
	Professional Ethics & Human Values	18EE6T7	Employability	AR18
	Power Electronics & Simulation Laboratory	18EE6L2	Skill development	AR18

	Utilization of Electrical Energy	18EE7T1	Employability	AR18
	OOPS Through JAVA	18EE7T2	Employability	AR18
	Power System Operation & Control	18EE7T3	Employability	AR18
	Renewable Energy Sources	18EE7T4	Employability	AR18
	Instrumentation	18EE7T5	Employability	AR18
	Cloud Computing	18EE7T6	Employability	AR18
B.TECH EEE	Microprocessors & Microcontrollers Laboratory	18EE7L1	Skill development	AR18
	Power Systems & Simulation Lab	18EE7L2	Skill development	AR18
	Digital Control Systems	18EE8T1	Employability	AR18
	HVDC Transmission & FACTS	18EE8T2	Employability	AR18
	Electrical Distribution Systems Planning & Automation	18EE8T3	Employability	AR18
	Power Quality	18EE8T4	Employability	AR18
	Project	18EE8P1	Skill development	AR18

IQAC Coordinator
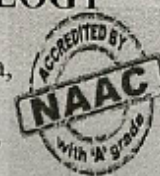Amrita Sai Institute of Science & Technology
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DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

AY 2021-22

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
	Analog IC Applications	18EC5T1	Employability	AR 18
	Control Systems	18EC5T2	Employability	AR 18
	Antenna and wave propagation	18EC5T3	Skill development	AR 18
	Digital Signal Processing	18EC5T4	Employability	AR 18
	Cloud computing-III	18EC5T5	Employability	AR 18
	Digital Communication Lab	18EC5L1	Employability	AR 18
	Analog IC Applications Lab	18EC5L2	Employability	AR 18
	Digital Signal Processing Lab	18EC5L3	Employability	AR 18
	Professional Ethics and Human Values	18EC5T6	Entrepreneurship	AR 18
	Microwave Engineering	18EC6T1	Skill development	AR 18
	Microprocessors and Microcontrollers	18EC6T2	Employability	AR 18
	Digital IC Applications	18EC6T3	Skill development	AR 18
	Application Oriented Internet of Things	18EC6T4	Employability	AR 18
	Computer Architecture and Organization	18EC6T5B	Skill development	AR 18
	IPR & Patents	18EC6T6	Entrepreneurship	AR 18
	Microprocessors and Microcontrollers Lab	18EC6L1	Skill development	AR 18
	Digital IC Application Lab	18EC6L2	Employability	AR 18
	VLSI Design	18EC7T1	Employability	AR 18
	Digital Image Processing	18EC7T2	Employability	AR 18
	Radar Engineering	18EC7T3	Skill development	AR 18
	Optical communication	18EC7T4	Employability	AR 18
	Robotics	18EC7T5A	Employability	AR 18
	VLSI Design Lab	18EC7L1	Skill development	AR 18
	Microwave and Optical Communication Lab	18EC7L2	Skill development	AR 18
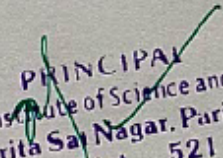
Summer Training Program	18EC7T6	Skill development	AR 18
Seminar	18EC7T7	Skill development	AR 18
Cellular and Mobile Communication	18EC8T1	Employability	AR 18
Electronics Measurements and Instrumentation	18EC8T2	Employability	AR 18
Embedded Systems	18EC8T3	Employability	AR 18
Speech and Audio Processing	18EC8T4A	Employability	AR 18
Television Engineering	18EC8T4B	Employability	AR 18
Artificial Neural Networks	18EC8T4C	Employability	AR 18
Computer Network	18EC8T4D	Skill development	AR 18
**Project Work	18EC8L1	Skill development	AR 18
Engineering Physics	20BS1T1	Employability	AR 20
Ordinary Differential Equations And Calculus	20BS1T2	Employability	AR 20
Electrical Circuit Analysis	20ES1T3	Employability	AR 20
C Programming	20ES1T4	Skill development	AR 20
Engineering Graphics And Design	20ES1T5	Employability	AR 20
Engineering/Applied Physics Lab	20BS1L1	Employability	AR 20
C Programming Lab	20ESIL2	Employability	AR 20
Engineering Workshop & ITWS Lab	20ES1L3	Skill development	AR 20
Environmental Studies	20MC1T6	Skill development	AR 20
Communicative English-I	20HS2T1	Skill development	AR 20
Linear Algebra And Transformations	20BS2T2	Employability	AR 20
Engineering Chemistry	20BS2T3	Employability	AR 20
Python Programming	20ES2T4	Employability	AR 20
Engineering Mechanics	20ES2T5	Skill development	AR 20
Communicative English Lab	20HS2L1	Skill development	AR 20
Engineering Chemistry Lab	20BS2L2	Skill development	AR 20
Python Lab	20ES2L3	Skill development	AR 20
Numerical Methods And Complex Variables	20BS3T1	Skill development	AR 20
Electronic Devices And Circuits	20EC3T2	Skill development	AR 20
Signals And Systems	20EC3T3	Skill development	AR 20
Switching Theory And Logic Design	20EC3T4	Skill development	AR 20
Network Theory	20EC3T5	Skill development	AR 20
Electronic Devices And Circuits Lab	20EC3L1	Skill development	AR 20
Network Theory Lab	20EC3L2	Skill development	AR 20
Switching Theory And Logic Design Lab	20EC3L3	Skill development	AR 20
*PCB Design	20EC3S3	Skill development	AR 20
Constitution Of India	20EC3M3	Entrepreneurship	AR 20
Probability And Statistics	20BS4T1	Skill development	AR 20
Computer Architecture And Organization	20EC4T2	Skill development	AR 20
Electronic Circuit Analysis	20EC4T3	Skill development	AR 20
Analog And Digital Communications	20EC4T4	Skill development	AR 20

Communicative English -Ii	20EC4T5	Skill development	AR 20
Matlab And Arduino Programming Lab	20EC4L1	Skill development	AR 20
Electronic Circuits Analysis Lab	20EC4L2	Skill development	AR 20
Analog And Digital Communications Lab	20EC4L3	Skill development	AR 20
*Mini Projects On Pcb *Esim	20EC4S4	Skill development	AR 20

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DEPARTMENT OF MECHANICAL ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

AY 2021-22

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.TECH MECH	ENGINEERING PHYSICS	20BS1T1	Employability	AR20
	ORDINARY DIFFERENTIAL EQUATIONS AND CALCULUS	20BS1T2	Employability	AR20
	ELECTRICAL CIRCUIT ANALYSIS	20ES1T3	Employability	AR20
	C PROGRAMMING	20ES1T4	Employability	AR20
	ENGINEERING GRAPHICS AND DESIGN	20ES1T5	Employability	AR20
	ENGINEERING/APPLIED PHYSICS LAB	20BS1L1	Skill development	AR20
	C PROGRAMMING LAB	20ES1L2	Skill development	AR20
	ENGINEERING WORKSHOP & ITWS LAB	20ES1L3	Skill development	AR20
	ENVIRONMENTAL STUDIES	20MC1T6	Employability	AR20
	COMMUNICATIVE ENGLISH-I	20HS2T1	Employability	AR20
	LINEAR ALGEBRA & TRANSFORMATIONS	20BS2T2	Employability	AR20
	ENGINEERING CHEMISTRY	20BS2T3	Employability	AR20
	PYTHON PROGRAMMING	20ES2T4	Employability	AR20
	ENGINEERING MECHANICS	20ES2T5	Employability	AR20
	COMMUNICATIVE ENGLISH LAB	20HS2L1	Skill development	AR20
	ENGINEERING CHEMISTRY LAB	20BS2L2	Skill development	AR20
	PYTHON LAB	20ES2L3	Skill development	AR20
	NUMERICAL METHODS AND COMPLEX VARIABLES	20BS3T1	Employability	AR20
	MATERIALS ENGINEERING	20ME3T2	Employability	AR20

	MECHANICS OF SOLIDS	20ME3T4	Employability	AR20
	FLUID MECHANICS & HYDRAULIC MACHINES	20ME3T5	Employability	AR20
	COMPUTER AIDED ENGINEERING GRAPHICS PRACTICE	20ME3L1	Skill development	AR20
	MECHANICS OF SOLIDS& MATERIALS ENGINEERING LAB	20ME3L2	Skill development	AR20
B.TECH MECH	FLUID MECHANICS & HYDRAULIC MACHINES LAB	20ME3L3	Skill development	AR20
	INDUSTRIAL APPLICATIONS OF CAD-I	20ME3T6A	Employability	AR20
	CLOUD COMPUTING-I	20ME3T6B	Employability	AR20
	WEB & MOBILE DEVELOPMENT-I	20ME3T6C	Employability	AR20
	CYBER SECURITY-I	20ME3T6D	Employability	AR20
	DATA ANALYTICS-I	20ME3T6E	Employability	AR20
	CONSTITUTION OF INDIA	20ME3M3	Employability	AR20
	PROBABILITY AND STATISTICS	20BS4T1	Employability	AR20
	MANUFACTURING PROCESSES	20ME4T2	Employability	AR20
	DESIGN OF MACHINE MEMBERS-I	20ME4T3	Employability	AR20
	APPLIED THERMO DYNAMICS	20ME4T4	Employability	AR20
	COMMUNICATIVE ENGLISH--II	20ME4T5	Employability	AR20
	ELECTRICAL CIRCUITS LAB	20ME4L1	Skill development	AR20
	THERMAL ENGINEERING LAB	20ME4L2	Skill development	AR20
	MANUFACTURING PROCESSES LAB	20ME4L3	Skill development	AR20
	INDUSTRIAL APPLICATIONS OF CAD-II	20EE4T6A	Employability	AR20
	*CLOUD COMPUTING-II	20EE4T6B	Employability	AR20
	*WEB & MOBILE DEVELOPMENT-II	20EE4T6C	Employability	AR20
	*CYBER SECURITY-II	20EE4T6D	Employability	AR20
	* DATA ANALYTICS-II	20EE4T6E	Employability	AR20
	DESIGN OF MACHINE MEMBERS-II	20ME5T1	Employability	AR18
	KINEMATICS & THEORY OF MACHINES	20ME5T2	Employability	AR20
	MANUFACTURING TECHNOLOGY	20ME5T3	Employability	AR20
	1. DATA BASE MANAGEMENT SYSTEM 2. INDUSTRIAL ENGINEERING MANAGEMENT		Employability	AR20

		20OE5T4		AR20
	3. COMPUTER GRAPHICS 4. WASTE WATER MANAGEMENT		Employability	AR20
	1.IC ENGINES & GAS TURBINES 2.COMPOSITE MATERIALS 3.ADVANCED MECHANICS OF SOLIDS 4.ALTERNATIVE SOURCES OF ENERGY	20ME5T5		
	MANUFACTURING TECHNOLOGY LAB	20ME5L1	Skill development	AR20
	THEORY OF MACHINES LAB	20ME5L2	Skill development	AR20
	*INDUSTRIAL APPLICATIONS OF CAD-III	20SE5T6A	Skill development	AR20
	*CLOUD COMPUTING-III	20SE5T6B	Employability	AR20
	*WEB & MOBILE DEVELOPMENT-III	20SE5T6C	Employability	AR20
	*CYBER SECURITY-III	20SE5T6D	Employability	AR20
	* DATA ANALYTICS-III	20SE5T6E	Employability	AR20
	IPR & PATENTS	20MC5T7	Employability	AR20
B.TECH-MECH	INSTRUMENTATION & CONTROL SYSTEMS	20ME6T1	Employability	AR20
	ENGINEERING METROLOGY	20ME6T2	Employability	AR20
	HEAT TRANSFER	20ME6T3	Employability	AR20
	1.CAD/CAM 2. SOLAR ENERGY 3.MACHINE TOOL DESIGN 4.AUTOMATION IN MANUFACTURING	20ME6T4	Employability	AR20
	1. MEMS 2. NANO TECHNOLOGY 3. RENEWABLE ENERGY SOURCES 4.TOTAL QUALITY MANAGEMENT	20OE6T5	Employability	AR20
	HEAT TRANSFER LAB	20ME6L1	Skill development	AR20
	METROLOGY & INSTRUMENTATION LAB	20ME6L2	Skill development	AR20
	SIMULATION LAB	20ME6L3	Skill development	AR20
	*INDUSTRIAL APPLICATIONS OF CAD-IV	20SE6T6A	Employability	AR20
	*CLOUD COMPUTING-IV	20SE6T6B	Employability	AR20
	*WEB & MOBILE DEVELOPMENT-IV	20SE6T6C	Employability	AR20

	*CYBER SECURITY-IV	20SE6T6D	Employability	AR20
	* DATA ANALYTICS-IV	20SE6T6E	Employability	AR20
	PROFESSIONAL ETHICS & HUMAN VALUES	20MC6T7	Employability	AR20
	1.COMPOSITE MATERIALS 2.REFRIGERATION & AIR CONDITIONING 3. UNCONVENTIONAL MACHINING PROCESSES 4. QUALITY & RELIABILITY ENGINEERING	20ME7T1	Employability	AR18
B.TECH MECH	1.MECHANICAL VIBRATIONS 2. GAS DYNAMICS & JET PROPULSION 3.PRODUCTION PLANNING & CONTROL 4. DESIGN FOR MANUFACTURE	20ME7T2	Employability	AR20
	1.INDUSTRIAL ROBOTICS 2. ADDITIVE MANUFACTURING 3. NON-DESTRUCTIVE EVALUATION 4.OPTIMIZATION TECHNIQUES	20ME7T3	Employability	AR20
	1. MATERIAL CHARACTERIZATION 2. TRIBOLOGY 3. AUTOMOBILE ENGINEERING 4. FINITE ELEMENT METHODS	20OE7T4	Employability	AR20
	1.MECHATRONICS 2.GREEN ENGINEERING SYSTEM 3.ENTERPRENEURSHIP 4.POWER PLANT ENGINEERING	20OE7T5	Employability	AR20
	OPERATIONS RESEARCH	20HS7T6	Employability	AR20
	DESIGN/FABRICATION PROJECT	20SE7T7	Skill development	AR20
	PROJECT WORK, SEMINAR AND INTERNSHIP IN INDUSTRY	PROJECT	Skill development	AR20

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DEPARTMENT OF CIVIL ENGINEERING

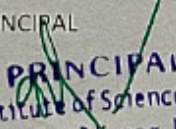### List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2021-22

B.Tech (CE)	Engineering Physics	20BS1T1	Skill development	AR20
	Ordinary Differential Equation and Calculus	20BS1T2	Employability	AR20
	Electrical Circuit Analysis	20ES1T3	Employability	AR20
	C Programming	20ES1T4	Employability	AR20
	Engineering Graphics and Design	20ES1T5	Employability	AR20
	Engineering/Applied Physics Lab	20BS1L1	Skill development	AR20
	C Programming Lab	20ES1L2	Skill development	AR20
	Engineering Workshop & ITWS lab	20ES1L3	Skill development	AR20
B.Tech (CE)	Communicative Engilish-I	20HS2T1	Employability	AR20
	Linear Algebra and Transformation	20BS2T2	Employability	AR20
	Engineering Chemistry	20BS2T3	Employability	AR20
	Python Programming	20ES2T4	Employability	AR20
	Engineering Mechanics	20ES2T5	Employability	AR20
	Communicative English Lab	20HS2L1	Skill development	AR20
	Engineering Chemistry Lab	20BS2L2	Skill development	AR20
	Phython Lab	20ES2L3	Employability	AR20
	Environmental Studies	20MC2T6	Skill development	
B.Tech (CE)	Numerical Analysis and Statistics	20BS3T1	Skill development	AR20
	Strength of Material	20CE3T2	Skill development	AR20
	Building Material and Construction	20CE3T3	Skill development	AR20
	Surveying and Geomatics	20CE3T4	Skill development	AR20
	Fluid Mechanics	20CE3T5	Skill development	AR20
	Surveying Field work –I lab	20CE3L1	Skill development	AR20
	Strength of Materials lab	20CE3L2	Skill development	AR20
	GIS Lab	20CE3L3	Skill development	AR20
	Web and Mobile Development-1	20SO3T6A	Employability	AR20
	Cloud Computing-1	20SO3T6B	Employability	AR20
	Cyber Security-1	20SO3T6C	Employability	AR20
	.Data Analyst-1	20SO3T6D	Employability	AR20
	Building Planning and	20SO3T6E	Employability	AR20

	Drawing			
	Essence of Indian Traditional Knowledge	20MC3T7	Skill development	AR20
B.Tech (CE)	Engineering Geology	20ES4T1	Skill development	AR20
	Structural Analysis -I	20CE4T2	Skill development	AR20
	Transportation Engineering -I	20CE4T3	Skill development	AR20
	Hydraulic and Hydraulic Machinery	20CE4T4	Skill development	AR20
	Managerial Economics and Financial Analysis	20MC4T5	Skill development	AR20
	Engineering Geology Lab	20ES4L1	Skill development	AR20
	Surveying Field work –II	20CE4L2	Employability	AR20
	FM & HHM Lab	20CE4L3	Skill development	AR20
	Web and Mobile Development-2	20SO4T5A	Employability	AR20
	Cloud Computing-2	20SO4T5B	Employability	AR20
	Cyber Security-2	20SO4T5C	Employability	AR20
	.Data Analyst-2	20SO4T5D	Employability	AR20
	Computer Aided Drawing -1	20SO4T5E	Employability	AR20
	Constitution of India	20MC4T6	Employability	AR20
B.Tech (CE)	Management Science & Financial Analysis	18CE5T1	Employability	AR18
	Engineering Geology	18CE5T2	Employability	AR18
	Structural Analysis - II	18CE5T3	Employability	AR18
	Design and Drawing of Reinforced Concrete Structures	18CE5T4	Employability	AR18
	Transportation Engineering - II	18CE5T5	Employability	AR18
	Concrete Technology Laboratory	18CE5L1	Skill development	AR18
	Engineering Geology Laboratory	18CE5L2	Skill development	AR18
	Transportation Engineering Laboratory	18CE5L3	Skill development	AR18
	Personality Development	18CE5T6	Employability	AR18
B.Tech (CE)	Design and Drawing of Steel Struct	18CE6T1	Employability	AR18
	Geotechnical Engineering -I	18CE6T2	Employability	AR18
	Environmental Engineering - I	18CE6T3	Employability	AR18
	Water Resources Engineering -	18CE6T4	Employability	AR18
	Open Elective	18CE6T5	Employability	AR18
	Geo-technical Engineering Laboratory	18CE6L1	Employability	AR18
	Environmental Engineering Lab	18CE6L2	Skill development	AR18
	Computer Aided Engineering Laboratory	18CE6L3	Employability	AR18
	Internship & Summer Training	18CE6I1	Employability	AR18
B.Tech (CE)	Environmental Engineering - I	18CE7T1	Skill development	AR18
	Water Resources Engineering	18CE7T2	Skill development	AR18
	Geotechnical Engineering -II	18CE7T3	Employability	AR18

	II	3		
	Remote sensing & GIS Applications	R16410T4		R16
	Finite Element methods	R16410T5	Skill development	R16
	Ground Improvement Techni	R16410T5	Skill development	R16
	Air pollution & Control	R16410T5	Skill development	R16
	Urban Hydrology	R16410T5D	Skill development	R16
	Traffic Engineering	R16410T5E	Employability	R16
	Advanced structural Enginee	R16410T6A	Employability	R16
	Advanced foundation Engine	R16410T6B	Employability	R16
	Environmental impact assess &management	R16410T6C	Skill development	R16
	Ground water development	R16410T6D	Skill development	R16
	Pavement analysis &design	R16410T6E	Employability	R16
	IPR & Patents		Skill development	R16
	GIS&CAD Lab	R16410L1	Employability	R16
	Irrigation design & drawing	R16410L2	Employability	R16
B.Tech (CE)	Estimation Specification & Contracts	R16420T1	Skill development	R16
	Construction Technology & Management	R16420T2	Skill development	R16
	Prestressed Concrete	R16420T3	Skill development	R16
	Bridge Engineering	R16420T4A	Skill development	R16
	Soil Dynamics and Foundatic	R16420T4B	Skill development	R16
	Soild and Hazardous Waste Management	R16420T4C	Skill development	R16
	Water Resources System Planning	R16420T4D	Employability	R16
	Urban Transportation Plannir	R16420T4E	Employability	R16
	Seminar on Internship projec	R16420I	activity	R16
	Project	R16420P1	activity	R16

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DEPARTMENT OF CIVIL ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2021-22

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Skill development	Regulation
M.Tech (SE)	Theory of Elasticity	20SE1T1	EMPLOYABILITY	AR20
	Structural Dynamics	20SE1T2	EMPLOYABILITY	AR20
	Matrix Analysis of Structures	20SE1T3A	EMPLOYABILITY	AR20
	Analytical & Numerical Methods for Structural Engineering	20SE1T3B	EMPLOYABILITY	AR20
	Design of RCC Foundations	20SE1T3C	EMPLOYABILITY	AR20
	Bridge Engineering	20SE1T4A	SKIL DEVELOPMENT	AR20
	Repair and Rehabilitation of Structures	20SE1T4B	EMPLOYABILITY	AR20
	Advanced Reinforced Concrete Design	20SE1T4C	EMPLOYABILITY	AR20
	Advanced Concrete Technology	20SE1T5	EMPLOYABILITY	AR20
	Advanced Concrete Technology Laboratory	20SE1L1	SKIL DEVELOPMENT	AR20
	Advanced Structural Engineering Laboratory	20SE1L2	SKIL DEVELOPMENT	AR20
	Audit Course - 1	20SE1A1	SKIL DEVELOPMENT	AR20
M.Tech (SE)	Finite Element Methods in Structural Engineering	20SE2T1	SKIL DEVELOPMENT	AR20
	Theory of Plates and Shells	20SE2T2	EMPLOYABILITY	AR20
	Stability of Structures	20SE2T3A	EMPLOYABILITY	AR20
	Advanced Steel Design	20SE2T3B	EMPLOYABILITY	AR20
	Analysis of Offshore Structures	20SE2T3C	EMPLOYABILITY	AR20
	Earthquake Resistant Design of Buildings	20SE2T4A	EMPLOYABILITY	AR20
	Precast and Prefabricated Structures	20SE2T4B	EMPLOYABILITY	AR20
	Earth Retaining Structures	20SE2T4C	EMPLOYABILITY	AR20
	Computer Aided Design Laboratory	20SE2L1	EMPLOYABILITY	AR20
	Structural Design laboratory	20SE2L2	EMPLOYABILITY	AR20
	Mini Project With Seminar	20SE2MP1	SKIL DEVELOPMENT	AR20
	Audit Course -2	20SE2A2	SKIL DEVELOPMENT	AR20
M.Tech (SE)	Design of Prestressed Concrete structures	20SE3T1A	EMPLOYABILITY	AR20
	Structural Health Monitoring	20SE3T1B	SKIL DEVELOPMENT	AR20
	Industrial Structures	20SE3T1C	EMPLOYABILITY	AR20
	Open Elective / MOOCS		SKIL DEVELOPMENT	AR20
	Dissertation Phase-I / Industrial Project	20SE3IP1	SKIL DEVELOPMENT	AR20
M.Tech (SE)	Project / Dissertation Phase II	20SE4MP1	SKIL DEVELOPMENT	AR20

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

M.TECH A.Y- 2021-22

List of Employability/ Entrepreneurship/ Skill development courses offered in

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
	Electrical Machine Modeling & Analysis	20PE1T1	Employability	AR20
	Analysis of Power Electronic Converters	20PE1T2	Employability	AR20
	Modern Control Theory	20PE1T3A	Employability	AR20
	Power Quality and Custom Power Devices	20PE1T3B	Employability	AR20
	Programmable Logic Controllers & Applications	20PE1T3C	Employability	AR20
	Artificial Intelligence Techniques	20PE1T4A	Employability	AR20
	Renewable Energy Technologies	20PE1T4B	Employability	AR20
	HVDC Transmission and Flexible AC Transmission Systems	20PE1T4C	Employability	AR20
	Research Methodology and IPR	20PE1T5	Employability	AR20
	Power Electronics Simulation Laboratory	20PE1L1	Skill development	AR20
	Power Converters Laboratory	20PE1L2	Skill development	AR20
	Switched Mode Power Conversion	20PE2T1	Employability	AR20
	Power Electronic Control of Electrical Drives	20PE2T2	Employability	AR20
	Control & Integration of Renewable Energy Systems	20PE2T3A	Employability	AR20
	Hybrid Electric Vehicles	20PE2T3B	Employability	AR20
	Digital Control Systems	20PE2T3C	Employability	AR20
	Advanced Digital Signal Processing	20PE2T4A	Employability	AR20
	Applications of Power Converters	20PE2T4B	Employability	AR20
	Microcontrollers	20PE2T4C	Employability	AR20
	Electric Drives Simulation Laboratory	20PE2L1	Employability	AR20
	Electric Drives Laboratory	20PE2L2	Skill development	AR20
	Mini Project with Seminar		Skill development	AR20
	Digital Signal Processing Controlled Drives	20PE3T1A	Employability	AR20
	Smart Grid Technologies	20PE3T1B	Employability	AR20
	Modelling & Simulation of Power Electronic Systems	20PE3T1C	Employability	AR20
	Industrial Safety	20PE3T2A	Employability	AR20
	Energy Audit, Conservation & Management	20PE3T2B	Employability	AR20
	Composite Materials	20PE3T2C	Employability	AR20
	Dissertation Phase - I		Skill development	AR20
	Dissertation Phase - II		Skill development	AR20

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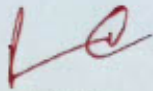www.amritasai.org.in,Phone: 0866-2428399

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

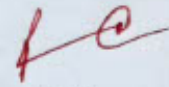### List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2021-22

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Skill development	Regulation
M.Tech (CSE)	Mathematical Foundations of Computer Science	20CP1T1	EMPLOYABILITY	AR20
	Advanced Data Structures & Algorithms	20CP1T2	EMPLOYABILITY	AR20
	Big Data Analytics	20CP1T3A	EMPLOYABILITY	AR20
	Digital Image Processing	20CP1T3B	EMPLOYABILITY	AR20
	Advanced Operating Systems	20CP13C	EMPLOYABILITY	AR20
	Advanced Computer Networks	20CP1T4A	EMPLOYABILITY	AR20
	Internet of Things	20CP1T4B	EMPLOYABILITY	AR20
	Object Oriented Software Engineering	20CP1T4C	EMPLOYABILITY	AR20
	Research Methodology and IPR	20CP1C1	EMPLOYABILITY	AR20
	Advanced Data Structures & Algorithms Lab	20CP1L1	SKIL DEVELOPMENT	AR20
	Advanced Computing Lab	20CP1L2	SKIL DEVELOPMENT	AR20
	Audit Course-1	20CP1A1	SKIL DEVELOPMENT	AR20
M.Tech (CSE)	Machine learning	20CP2T1	SKIL DEVELOPMENT	AR20
	MEAN Stack Technologies	20CP2T2	EMPLOYABILITY	AR20
	Advanced Databases and Mining	20CP2T3A	EMPLOYABILITY	AR20
	Ad Hoc & Sensor Networks	20CP2T3B	EMPLOYABILITY	AR20
	Soft Computing	20CP2T3C	EMPLOYABILITY	AR20
	Cloud Computing	20CP2T4A	EMPLOYABILITY	AR20
	Principles of computer security	20CP2T4B	EMPLOYABILITY	AR20
	High Performance Computing	20CP2T4C	EMPLOYABILITY	AR20
	Machine Learning with python lab	20CP2L1	SKIL DEVELOPMENT	AR20
	MEAN Stack Technologies Lab	20CP2L2	SKIL DEVELOPMENT	AR20
	Mini Project with Seminar	20CP2P1	SKIL DEVELOPMENT	AR20
	Audit Course-2	20CP2A1	SKIL DEVELOPMENT	AR20
M.Tech	Deep Learning	20CP3T1A	EMPLOYABILITY	AR20
	Social Network Analysis	20CP3T1B	EMPLOYABILITY	AR20

(CSE)	MOOCs-1 (NPTEL/SWAYAM) 12	20CP3T1C	EMPLOYABILITY	AR20
	Week Program related to the programme which is not listed in thecourse structure	20CP3T1D	EMPLOYABILITY	AR20
	MOOCs-2 (NPT EL/SWAYAM)-Any 12 Week Course on Engineering/ Management/ Mathematics offeredby other than parent department	20CP3T2A	EMPLOYABILITY	AR20
	Course offered by other departmentsin the college	20CP3T2B	EMPLOYABILITY	AR20
	Dissertation-I/ Industrial Project #	20CP3P1	SKIL DEVELOPMENT	AR20
M.Tech (CSE)	Dissertation-II	20CP4P1	SKIL DEVELOPMENT	AR20

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2021-22

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Skill development	Regulation
MCA	Computer Organization	19MCA2301	EMPLOYABILITY	AR20
	Database Management Systems	19MCA2302	EMPLOYABILITY	AR20
	Object Oriented Programming through Java	19MCA2303	EMPLOYABILITY	AR20
	Operating Systems	19MCA2304	EMPLOYABILITY	AR20
	Web Design and Development	19MCA2305	EMPLOYABILITY	AR20
	Database Management Systems Lab	19MCA2351	SKIL DEVELOPMENT	AR20
	Object Oriented Programming through Java Lab	19MCA2352	SKIL DEVELOPMENT	AR20
	Web Design and Development Lab	19MCA2353	SKIL DEVELOPMENT	AR20
	Personality Development Course (Logical Reasoning and English for Professionals)	19MCA5354	SKIL DEVELOPMENT	AR20
	Statistics with R	19MCA2401	SKIL DEVELOPMENT	AR20
	Computer Networks	19MCA2402	EMPLOYABILITY	AR20
	Design and Analysis of Algorithms	19MCA2403	EMPLOYABILITY	AR20
	Mobile Application Development	19MCA2404	EMPLOYABILITY	AR20
	Industrial Management	19MCA2405	EMPLOYABILITY	AR20
	Statistics with R Lab	19MCA2451	EMPLOYABILITY	AR20

	Computer Networks Lab	19MCA2452	EMPLOYABILITY	AR20
	Mobile Application Development Lab	19MCA2453	EMPLOYABILITY	AR20
	Seminar	19MCA4454	SKIL DEVELOPMENT	AR20
	Personality Development Course (Aptitude and Campus Recruitment Training)	19MCA5455	SKIL DEVELOPMENT	AR20
MCA	Python Programming	19MCA2501	EMPLOYABILITY	AR20
	Data Mining	19MCA2502	EMPLOYABILITY	AR20
	Software Engineering	19MCA2503	EMPLOYABILITY	AR20
	ELECTIVE –I	19MCA2504	EMPLOYABILITY	AR20
	Data Mining Lab	19MCA3505	EMPLOYABILITY	AR20
	Python Programming Lab	19MCA2551	EMPLOYABILITY	AR20
	Professional Communication Practice Lab	19MCA4552	SKIL DEVELOPMENT	AR20
MCA	Major Project	19MCA4651	SKIL DEVELOPMENT	AR20

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

M.TECH

List of Employability/ Entrepreneurship/ Skill development courses offered in AY-2021-22

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
M.TECH EcE	Electrical Machine Modeling & Analysis	20PE1T1	Employability	AR20
	Analysis of Power Electronic Converters	20PE1T2	Employability	AR20
	Modern Control Theory	20PE1T3A	Employability	AR20
	Power Quality and Custom Power Devices	20PE1T3B	Employability	AR20
	Programmable Logic Controllers & Applications	20PE1T3C	Employability	AR20
	Artificial Intelligence Techniques	20PE1T4A	Employability	AR20
	Renewable Energy Technologies	20PE1T4B	Employability	AR20
	HVDC Transmission and Flexible AC Transmission Systems	20PE1T4C	Employability	AR20
	Research Methodology and IPR	20PE1T5	Employability	AR20
	Power Electronics Simulation Laboratory	20PE1L1	Skill development	AR20
	Power Converters Laboratory	20PE1L2	Skill development	AR20
	Switched Mode Power Conversion	20PE2T1	Employability	AR20
	Power Electronic Control of Electrical Drives	20PE2T2	Employability	AR20
	Control & Integration of Renewable Energy Systems	20PE2T3A	Employability	AR20
	Hybrid Electric Vehicles	20PE2T3B	Employability	AR20
	Digital Control Systems	20PE2T3C	Employability	AR20
	Advanced Digital Signal Processing	20PE2T4A	Employability	AR20
	Applications of Power Converters	20PE2T4B	Employability	AR20
	Microcontrollers	20PE2T4C	Employability	AR20
	Electric Drives Simulation Laboratory	20PE2L1	Employability	AR20
	Electric Drives Laboratory	20PE2L2	Skill development	AR20
	Mini Project with Seminar		Skill development	AR20
	Digital Signal Processing Controlled Drives	20PE3T1A	Employability	AR20
	Smart Grid Technologies	20PE3T1B	Employability	AR20
	Modelling & Simulation of Power Electronic Systems	20PE3T1C	Employability	AR20
	Industrial Safety	20PE3T2A	Employability	AR20
	Energy Audit, Conservation & Management	20PE3T2B	Employability	AR20
	Composite Materials	20PE3T2C	Employability	AR20
	Dissertation Phase – I		Skill development	AR20
	Dissertation Phase – II		Skill development	AR20

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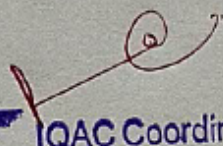
DEPARTMENT OF CIVIL ENGINEERING

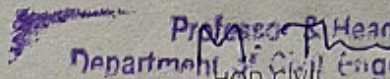### List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2020-21

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepr Skill development	Regulatio
B.Tech (CE)	ENGINEERING PHYSICS	20BS1T1	Skill development	AR20
	ORDINARY DIFFERENTIAL EQUATIONS AND CALCULUS	20BS1T2	Skill development	AR20
	ELECTRICAL CIRCUIT ANALYSIS	20ES1T3	Skill development	AR20
	C PROGRAMMING	20ES1T4	Skill development	AR20
	ENGINEERING GRAPHICS AND DESIGN	20ES1T5	Skill development	AR20
	ENGINEERING/APPLIED PHYSICS LAB	20BS1L1	Skill development	AR20
	C PROGRAMMING LAB	20ES1L2	Skill development	AR20
	ENGINEERING WORKSHOP & ITWS LAB	20ES1L3	Skill development	AR20
B.Tech (CE)	COMMUNICATIVE ENGLISH-I	20HS2T1	Employability	AR20
	LINEAR ALGEBRA & TRANSFORMATIONS	20BS2T2	Employability	AR20
	ENGINEERING CHEMISTRY	20BS2T3	Employability	AR20
	PYTHON PROGRAMMING	20ES2T4	Employability	AR20
	ENGINEERING MECHANICS	20ES2T5	Employability	AR20
	COMMUNICATIVE ENGLISH LAB	20HS2L1	Skill development	AR20
	ENGINEERING CHEMISTRY LAB	20BS2L2	Skill development	AR20
	PYTHON LAB	20ES 2L3	Skill development	AR20
	Environmental Studies	20MC2 T6	Skill development	AR20
	Probability & Stat	18CE3T1	Skill development	AR18
	Basic Electrical and	18CE3T2	Skill development	AR18

	Electronics En			
B.Tech (CE)	Strength of Materials -I	18CE3T3	Skill development	AR18
	Building Materials and Construct	18CE3T4	Skill development	AR18
	Surveying	18CE3T5	Skill development	AR18
	Fluid Mechanics	18CE3T6	Skill development	AR18
	Surveying Field work -I	18CE3L1	Skill development	AR18
	Strength of Materials Lab	18CE3L2	Skill development	AR18
	Managerial Economics and Real Estate	18CE3T7	Employability	AR18
B.Tech (CE)	Building Planning and D	18CE4T1	Skill development	AR18
	Strength of Materials -II	18CE4T2	Skill development	AR18
	Hydraulics and Hydraulic Machine	18CE4T3	Skill development	AR18
	Concrete Technology	18CE4T4	Skill development	AR18
	Structural Analysis - I	18CE4T5	Skill development	AR18
	Transportation Engineering - I	18CE4T6	Skill development	AR18
	FM & HHM Laboratory	18CE4L1	Skill development	AR18
	Surveying Field work - II	18CE4L2	Skill development	AR18
	Professional Ethics and Human Values	18CE4T7	Employability	AR18
B.Tech (CE)	Management Science & Financial Analysis	18CE5T1	Skill development	AR18
	Engineering Geology	18CE5T2	Skill development	AR18
	Structural Analysis - II	18CE5T3	Skill development	AR18
	Design and Drawing of Reinforced Concrete Structures	18CE5T4	Skill development	AR18
	Transportation Engineering - II	18CE5T5	Skill development	AR18
	Concrete Technology Lab	18CE5L1	Skill development	AR18
	Engineering Geology Laboratory	18CE5L2	Skill development	AR18
	Transportation Engineering Laboratory	18CE5L3	Skill development	AR18
	Personality Development	18CE5T6	Employability	AR18
B.Tech (CE)	Design and Drawing of Steel	18CE6T1	Skill development	AR18
	Geotechnical Engineering -I	18CE6T2	Skill development	AR18
	Environmental Engineering -I	18CE6T3	Skill development	AR18
	Water Resources Engineering	18CE6T4	Skill development	AR18
	Open Elective	18CE6T5	Skill development	AR18
	Geo-technical Engineering Lab	18CE6L1	Skill development	AR18
	Environmental Engineering Lab	18CE6L2	Skill development	AR18
	Computer Aided Engineering Lab	18CE6L3	Employability	AR18
	Internship & Summe	18CE6I1	Employability	AR18
B.Tech (CE)	Environmental Engineering -II	R16410T1	Skill development	R16
	Water Resource Engineering -II	R16410T2	Skill development	R16
	Geotechnical Engineering -	R16410T	Skill development	R16

	Remote Sensing and GIS Applications	18CE7T4	Employability	AR18
	Elective – I	18CE7T5	Employability	AR18
	Elective – II	18CE7T6	Employability	AR18
	CAD and GIS Lab	18CE7L1	Employability	AR18
	Irrigation Design and Drawing	18CE7L2	Skill development	AR18
	IPR & Patent	18CE7T7	Skill development	AR18
B.Tech (CE)	Estimation Specification and Contracts	18CE8T1	Skill development	AR18
	Construction Technology and Management	18CE8T2	Skill development	AR18
	Pre-Stressed Concrete	18CE8T3	Skill development	AR18
	Elective – III	18CE8T4	Skill development	AR18
	Project Work	18CE8P1	Skill development	AR18

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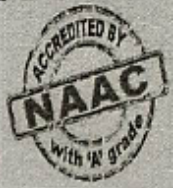
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DEPARTMENT OF ELECTRICAL AND ELECTRNICS ENGINEERING

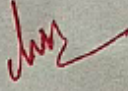## List of Employability/ Entrepreneurship/ Skill development courses offered
AY 2020-21

I YEAR I SEM				
Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
	Engineering Physics	20BS1T1	Employability	AR20
	Ordinary Differential Equations & Calculus	20BS1T2	Employability	AR20
	Electrical Circuit Analysis	20ES1T3	Employability	AR20
	C Programming	20ES1T4	Employability	AR20
	Engineering Graphics And Design	20ES1T5	Employability	AR20
	Engineering /Applied Physics Lab	20BS1L1	Skill development	AR20
	C Programming Lab	20ES1L2	Skill development	AR20
	Engineering Workshop & ITWS Lab	20ES1L3	Skill development	AR20
	Communicative English-I	20HS2T1	Employability	AR20
	Linear Algebra & Transformation	20BS2T2	Employability	AR20
	Engineering Chemistry	20BS2T3	Employability	AR20
	Python programming	20ES2T4	Employability	AR20
	Engineering Mechanics	20ES2T5	Employability	AR20
	Communicative English Lab	20HS2L1	Skill development	AR20
B.TECH EEE	Engineering Chemistry Lab	20BS2L2	Skill development	AR20
	Python Lab	20ES2L3	Skill development	AR20
	Environmental Studies	20MC2T6	Employability	AR20
	Electrical Circuit Analysis - II	18EE3T1	Employability	AR18
	Electrical Machines-I	18EE3T2	Employability	AR18
	Electronic Devices & Circuits	18EE3T3	Employability	AR18
	Electro Magnetic Fields	18EE3T4	Employability	AR18
	Thermal and Hydro Prime Movers	18EE3T5A	Employability	AR18
	Cloud Computing-I	18EE3T5B	Employability	AR18
	Cyber security-I	18EE3T5C	Employability	AR18
	Data Analytics-I	18EE3T5D	Employability	AR18
	Web & Mobile App development-I	18EE3T5E	Employability	AR18
	CAD/CAM	18EE3T5F	Employability	AR18
	Power Systems-I	18EE3T6	Skill development	AR18
	Thermal and Hydro	18EE3L1	Skill development	AR18

	Subject	Code	Category	Regulation
	Laboratory			
	Electrical Circuits Laboratory	18EE3L2	Skill development	AR18
	Electrical Measurements	18EE4T1	Employability	AR18
	Electrical Machines-II	18EE4T2	Employability	AR18
	Switching Theory and Logic Design	18EE4T3	Employability	AR18
	Control Systems	18EE4T4	Employability	AR18
	Managerial Economics & Financial Analysis	18EE4T5A	Employability	AR18
	Cloud Computing-II	18EE4T5B	Employability	AR18
	Cyber security-II	18EE4T5C	Employability	AR18
	Data Analytics-II	18EE4T5D	Employability	AR18
	Web & Mobile App development-II	18EE4T5E	Employability	AR18
	Power Systems -II	18EE4T6	Employability	AR18
	Electrical Machines -I Laboratory	18EE4L1	Skill development	AR18
	Electronic Devices & Circuits Lab	18EE4L2	Skill development	AR18
	Power Electronics	18EE5T1	Employability	AR18
	Power System Analysis	18EE5T2	Employability	AR18
	Signals and Systems	18EE5T3	Employability	AR18
	Pulse & Digital Circuits	18EE5T4	Employability	AR18
B.TECH EEE	Management Science	18EE5T5A	Employability	AR18
	Cloud Computing-III	18EE5T5B	Employability	AR18
	Cyber security-III	18EE5T5C	Employability	AR18
	Data Analytics-III	18EE5T5D	Employability	AR18
	Web & Mobile App development-III	18EE5T5E	Employability	AR18
	IPR & Patents	18EE5T6	Employability	AR18
	Electrical Machines-II Laboratory	18EE5L1	Skill development	AR18
	Control Systems & Simulation Lab	18EE5L2	Skill development	AR18
	Electrical Measurements Laboratory	18EE5L3	Skill development	AR18
	Power Electronic Controllers & Drives	18EE6T1	Employability	AR18
	Micro Processors and Micro controllers	18EE6T2	Employability	AR18
	Switchgear and Protection	18EE6T3	Employability	AR18
	Linear IC Applications	18EC6T4	Employability	AR18
	Cloud Computing-IV	18EE6T5A	Employability	AR18
	Cyber security- IV	18EE6T5B	Employability	AR18
	Data Analytics- IV	18EE6T5C	Employability	AR18
	Web & Mobile App development- IV	18EE6T5D	Employability	AR18
	Data Structures	18EE6T6	Employability	AR18
	Data Structures Laboratory	18EE6L1	Skill development	AR18
	Professional Ethics & Human Values	18EE6T7	Employability	AR18
	Power Electronics & Simulation Lab	18EE6L2	Skill development	AR18
	Utilization of Electrical Energy	R1641021	Employability	R16

	Linear IC Applications	R1641022	Employability	R16
	Power System Operation & Control	R1641023	Employability	R16
	Switchgear and Protection	R1641024	Employability	R16
	Electrical Machine Modeling and Analysis	R164102A	Employability	R16
	Advanced Control Systems	R164102B	Employability	R16
	Programmable Logic Controllers& Applications	R164102C	Employability	R16
	Instrumentation	R164102D	Employability	R16
	Optimization Techniques	R164102E	Employability	R16
	Electric Power Quality	R164102F	Employability	R16
	Special Electrical Machines	R164102G	Employability	R16
B.TECH EEE	Electrical Simulation Laboratory	R1641027	Skill development	R16
	Power Systems & Simulation Lab	R1641028	Skill development	R16
	Digital Control Systems	R1642021	Employability	R16
	Hvdc Transmission	R1642022	Employability	R16
	Electrical Distribution Systems	R1642023	Employability	R16
	High Voltage Engineering	R164202A	Employability	R16
	Flexible Alternating Current Transmission Systems	R164202B	Employability	R16
	Power System Reforms	R164202C	Employability	R16
	Seminar	R1642025	Skill development	R16
	Project	R1642026	Skill development	R16

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DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

AY 2020-21

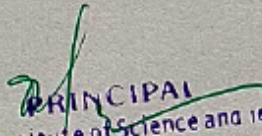| Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.Tech (ECE)	Engineering Physics	20BS1T1	Employability	AR 20
	Ordinary Differential Equations And Calculus	20BS1T2	Employability	AR 20
	Electrical Circuit Analysis	20ES1T3	Employability	AR 20
	C Programming	20ES1T4	Employability	AR 20
	Engineering Graphics And Design	20ES1T5	Employability	AR 20
	Engineering/Applied Physics Lab	20BS1L1	Employability	AR 20
	C Programming Lab	20ES1L2	Employability	AR 20
	Engineering Workshop & ITWS Lab	20ES1L3	Skill development	AR 20
	Environmental Studies	20MC1T6	Entrepreneurship	AR 20
	Communicative English-I	20HS2T1	Skill development	AR 20
	Linear Algebra And Transformations	20BS2T2	Employability	AR 20
	Engineering Chemistry	20BS2T3	Skill development	AR 20
	Python Programming	20ES2T4	Employability	AR 20
	Engineering Mechanics	20ES2T5	Employability	AR 20
	Communicative English Lab	20HS2L1	Employability	AR 20
	Engineering Chemistry Lab	20BS2L2	Employability	AR 20
	Python Lab	20ES2L3	Employability	AR 20
	Signals & Systems	18EC3T1	Employability	AR 18
	Electronic Devices and Circuits	18EC3T2	Employability	AR 18
	Probability Theory and Random Process	18EC3T3	Employability	AR 18
	Switching Theory and Logic Design	18EC3T4	Employability	AR 18
	Managerial Economics & Financial Analysis	18EC3T5A	Employability	AR 18
	Network Theory	18EC3T6	Employability	AR 18
	Electronics and Devices Circuits Lab	18EC3L1	Employability	AR 18
	Network Theory Lab	18EC3L2	Employability	AR 18
	Electromagnetic Theory and Transmission Lines	18EC4T1	Employability	AR 18

Electronic Circuit Analysis	18EC4T2	Employability		AR 18
Analog & Digital Communication	18EC4T3	Employability		AR 18
Pulse and Digital Circuits	18EC4T4	Employability		AR 18
Management Science	18EC4T5A	Employability		AR 18
Pulse and Digital Circuits Lab	18EC4L1	Employability		AR 18
Analog Communication Lab	18EC4L2	Employability		AR 18
Electronic Circuits Analysis Lab	18EC4L3	Employability		AR 18
Personality development	18EC4T6	Employability		AR 18
Analog IC Applications	18EC5T1	Skill development		AR 18
Control Systems	18EC5T2	Employability		AR 18
Antenna and wave propagation	18EC5T3	Employability		AR 18
Digital Signal Processing	18EC5T4	Employability		AR 18
Biomedical Engineering	18EC5T5	Employability		AR 18
Digital Communication Lab	18EC5L1	Employability		AR 18
Analog IC Applications Lab	18EC5L2	Employability		AR 18
Digital Signal Processing Lab	18EC5L3	Employability		AR 18
Professional Ethics and Human Values	18EC5T6	Skill development		AR 18
Microwave Engineering	18EC6T1	Skill development		AR 18
Microprocessors and Microcontrollers	18EC6T2	Skill development		AR 18
Digital IC Applications	18EC6T3	Employability		AR 18
Application Oriented Internet of Things	18EC6T4	Employability		AR 18
OOPs Through JAVA	18EC6T5A	Employability		AR 18
IPR & Patents	18EC6T6	Skill development		AR 18
Microprocessors and Microcontrollers Lab	18EC6L1	Skill development		AR 18
Digital IC Application Lab	18EC6L2	Employability		AR 18
Computer Architecture and Organization	R1631041	Employability		R16
Linear I C Applications	R1631042	Employability		R16
Digital I C Applications	R1631043	Employability		R16
Digital Communications	R1631044	Employability		R16
Antenna and Wave Propagation	R1631045	Employability		R16
Pulse and Digital Circuits Lab	R1631049	Employability		R16
Linear I C Applications Lab	R1631041	Employability		R16
Digital I C Applications Lab	R1631042	Employability		R16
Professional Ethics & Human Values	R1631043	Skill development		R16
Micro Processors & Micro Controllers	R1632041	Entrepreneurship		R16
Micro Wave Engineering	R1632042	Employability		R16
VLSI Design	R1632043	Employability		R16
Digital Signal Processing	R1632044	Employability		R16
Bio-Medical Engineering	R163204D	Employability		R16
Radar Systems	R1641041	Employability		R16
Digital Image Processing	R1641042	Employability		R16
Computer Networks	R1641043	Employability		R16
Optical Communications	R1641044	Employability		R16
Electronic Switching Systems	R164104B	Employability		R16

	Embedded Systems	R164104D	Employability	R16
	Cellular Mobile Communications	R1642041	Employability	R16
	Electronic Measurements and Instrumentation	R1642042	Employability	R16
	Satellite Communications	R1642043	Employability	R16
	Wireless sensors & Networks	R164204A	Employability	R16
	Seminar	R1642045	Employability	R16
	Project	R1642046	Employability	R16

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in
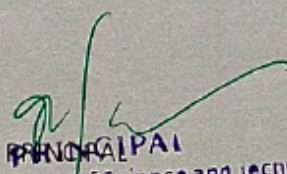
AY 2020-21

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.TECH CSE	Communicative English-I	20HS1T1	Employability	AR20
	Ordinary Differential Equations & Calculus	20BS1T2	Employability	AR20
	Engineering Chemistry	20BS1T3	Employability	AR20
	IT workshop	20CS1T4	Employability	AR20
	Python-I	20CS1T5	Employability	AR20
	Communicative English Lab	20HS1L1	Skill development	AR20
	Engineering Chemistry Lab	20BS1L2	Skill development	AR20
	Python lab-I	20CS1L3	Skill development	AR20
	Environmental Studies	20MC1T6	Employability	AR20
	Applied Physics	20BS2T1	Employability	AR20
	Linear Algebra & Transformation	20BS2T2	Employability	AR20
	Data Structures using C++	20CS2T3	Employability	AR20
	Python-II	20CS2T4	Employability	AR20
	Engineering Graphics & Design	20CS2T5	Employability	AR20
	Engineering/ Applied Physics Lab	20BS2L1	Skill development	AR20
	Data Structures and C++ lab	20CS2L2	Skill development	AR20
	Python Lab-II	20CS2L3	Skill development	AR20
	Unix and Shell Programming	18CS3T1	Employability	AR18
	Mathematical Foundation of Computer Science	18CS3T2	Employability	AR18
	Computer Organization	18CS3T3	Employability	AR18
	Java Programming	18CS3T4	Employability	AR18
	Digital Logic Design	18CS3T5A	Employability	AR18
	Data Analytics-1	18CS3T5B	Employability	AR18
	Cloud Computing-1	18CS3T5C	Employability	AR18
	Web and Mobile Development-1	18CS3T5D	Employability	AR18
	Cyber Security-1	18CS3T5E	Employability	AR18
	Data structures through c++	18CS3T6	Employability	AR18
	Data Structures through C++ Lab	18CS3L1	Skill development	AR18
	Java Programming Lab	18CS3L2		AR18
	Unix and Shell Programming Lab	18CS3L3		AR18
	Python Programming	18CS4T1	Employability	AR18
	Advanced Data Structures	18CS4T2	Employability	AR18
	Database Management Systems	18CS4T3	Employability	AR18

	Subject	Code	Category	Regulation
	Formal Languages and Automata Theory	18CS4T4	Employability	AR18
	Computer Graphics	18CS4T5A	Employability	AR18
	Data Analytics-2	18CS4T5B	Employability	AR18
	Cloud Computing-2	18CS4T5C	Employability	AR18
	Web and Mobile Development-2	18CS3T5D	Employability	AR18
	Cyber Security-2	18CS4T5E	Employability	AR18
	Operating Systems	18CS4T6	Employability	AR18
	Advanced Data Structures Lab	18CS4L1	Skill development	AR18
	Python Programming Lab	18CS4L2	Skill development	AR18
	Web Technologies	18CS5T1	Employability	AR18
	Statistics with R Programming	18CS5T2	Employability	AR18
	Software Engineering	18CS5T3	Employability	AR18
	Computer Networks	18CS5T4	Employability	AR18
	Compiler Design	18CS5T5A	Employability	AR18
	Data Analytics-3	18CS5T5B	Employability	AR18
	Cloud Computing-3	18CS5T5C	Employability	AR18
	Web and Mobile Development-3	18CS5T5D	Employability	AR18
	Cyber Security-3	18CS5T5E	Employability	AR18
	Statistics with R Programming Lab	18CS5L1	Employability	AR18
	Computer Networks Lab	18CS5L2	Skill development	AR18
	Web Technologies Lab	18CS5L3	Skill development	AR18
B.TECH CSE	Professional Ethics & Intellectual Property Rights	18CS5T6	Employability	AR18
	Principles of Programming Languages	18CS6T1	Employability	AR18
	Design and Analysis of Algorithms	18CS6T2	Employability	AR18
	Data Warehousing and Data Mining	18CS6T3	Employability	AR18
	Object Oriented Analysis and Design using UML	18CS6T4	Employability	AR18
	TCP/IP Protocols	18CS6T5A	Employability	AR18
	Data Analytics-4	18CS6T5B	Employability	AR18
	Cloud Computing-4	18CS6T5C	Employability	AR18
	Web and Mobile Development-4	18CS6T5D	Employability	AR18
	Cyber Security-4	18CS6T5E	Employability	AR18
	Object Oriented Analysis and Design using UML Lab	18CS6L1	Skill development	AR18
	Data Mining Lab	18CS6L2	Skill development	AR18
	Internship & Mini Project	18CS6I1	Skill development	AR18
	Cryptography and Network Security	R1641051	Employability	R16
	Software Architecture & Design Patterns	R1641052	Employability	R16
	Web Technologies	R1641053	Employability	R16
	Managerial Economics and Financial Analysis	R1641054	Employability	R16
	i. Big Data Analytics	R164105A	Employability	R16

	ii. Information Retrieval Systems iii. Mobile Computing			
B.TECH CSE	Cloud Computing	R164105D	Employability	R16
	Software Architecture & Design Patterns Lab	R1641057	Skill development	R16
	Web Technologies Lab	R1641058	Skill development	R16
	Distributed Systems	R1642051	Employability	R16
	Management Science	R1642052	Employability	R16
	Machine Learning	R1642053	Employability	R16
	i. Concurrent and Parallel Programming ii.Artificial Neural Networks iii.Operations Research	R164205A	Employability	R16
	Seminar	R1642055	Skill development	R16
	Project	R1642056	Skill development	R16

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DEPARTMENT OF MECHANICAL ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

AY 2020-21

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
	ENGINEERING PHYSICS	20BS1T1	Employability	AR20
	ORDINARY DIFFERENTIAL EQUATIONS AND CALCULUS	20BS1T2	Employability	AR20
	ELECTRICAL CIRCUIT ANALYSIS	20ES1T3	Employability	AR20
	C PROGRAMMING	20ES1T4	Employability	AR20
	ENGINEERING GRAPHICS AND DESIGN	20ES1T5	Employability	AR20
	ENGINEERING/APPLIED PHYSICS LAB	20BS1L1	Skill development	AR20
	C PROGRAMMING LAB	20ES1L2	Skill development	AR20
	ENGINEERING WORKSHOP & ITWS LAB	20ES1L3	Skill development	AR20
	ENVIRONMENTAL STUDIES	20MC1T6	Employability	AR20
	COMMUNICATIVE ENGLISH-I	20HS2T1	Employability	AR20
	LINEAR ALGEBRA & TRANSFORMATIONS	20BS2T2	Employability	AR20
B.TECH MECH	ENGINEERING CHEMISTRY	20BS2T3	Employability	AR20
	PYTHON PROGRAMMING	20ES2T4	Employability	AR20
	ENGINEERING MECHANICS	20ES2T5	Employability	AR20
	COMMUNICATIVE ENGLISH LAB	20HS2L1	Skill development	AR20
	ENGINEERING CHEMISTRY LAB	20BS2L2	Skill development	AR20
	PYTHON LAB	20ES2L3	Skill development	AR20
	Metallurgy & Materials Science	18ME3T1	Employability	AR18
	Engineering Drawing-II	18ME3T2	Employability	AR18

	Thermodynamics	18ME3T3	Employability	AR18
	Mechanics of Solids	18ME3T4	Employability	AR18
	Engineering Economics	18ME3T5A	Employability	AR18
	Data Analysis-I	18CS3T5B	Employability	AR18
	Cloud Computing-I	18CS3T5C	Employability	AR18
	Web and Mobile Development –I	18CS3T5D	Employability	AR18
	Cyber Security-I	18CS3T5E	Employability	AR18
	Industrial applications of CAD-1	18CE3T5F	Employability	AR18
	Electrical & Electronics Engineering Lab	18ME3L1	Skill development	AR18
B.TECH MECH	Mechanics of Solids & Metallurgy Lab	18ME3L2	Skill development	AR18
	Auto CAD-LAB	18ME3L3	Skill development	AR18
	Fluid Mechanics & Hydraulic Machines	18ME4T1	Employability	AR18
	Theory of Machines-I	18ME4T2	Employability	AR18
	Manufacturing Processes	18ME4T3	Employability	AR18
	Applied Thermodynamics	18ME4T4	Employability	AR18
	Machine Drawing	18ME4T5A	Employability	AR18
	Data Analytics-II	18CS4T5B	Employability	AR18
	Cloud Computing-II	18CS4T5C	Employability	AR18
	Web and Mobile Development –II	18CS4T5D	Employability	AR18
	Cyber Security-II	18CS4T5E	Employability	AR18
	Industrial applications of CAD-II	18CE4T5F	Employability	AR18
	Design of Machine Members -I	18ME4T6	Employability	AR18
	Manufacturing Processes Lab	18ME4L1	Skill development	AR18
	Fluid Mechanics & Hydraulic Machinery Lab	18ME4L2	Skill development	AR18
	I.C Engines & Gas Turbines	18ME5T1	Employability	AR18
	Theory of Machines-II	18ME5T2	Employability	AR18
	Manufacturing Technology	18ME5T3	Employability	AR18
	Design of Machine Members-II	18ME5T4	Employability	AR18
	Industrial Engineering and Management	18ME5T5A	Employability	AR18
	Data Analytics-III	18CS5T5B	Employability	AR18

	Cloud Computing-III	18CS5T5C	Employability	AR18
	Web and Mobile Development –III	18CS5T5D	Employability	AR18
	Cyber Security-III	18CS5T5E	Employability	AR18
	Industrial applications of CAD-III	18CE5T5F	Employability	AR18
	IPR&P	Mandatory course	Skill development	AR18
	Theory of Machines Lab	18ME5L1	Skill development	AR18
	Manufacturing Technology Lab	18ME5L2	Skill development	AR18
	Thermal Engineering Lab	18ME5L3	Skill development	AR18
	Personality Development	18ME5L4	Skill development	AR18
	Instrumentation & Control Systems	18ME6T1	Employability	AR18
B.TECH MECH	Metrology	18ME6T2	Employability	AR18
	Operations Research	18ME6T3	Employability	AR18
	Refrigeration & Air-conditioning	18ME6T4	Employability	AR18
	Green Engineering Systems	18ME6T5A	Employability	AR18
	Data Analytics-IV	18CS6T5B	Employability	AR18
	Cloud Computing-IV	18CS6T5C	Employability	AR18
	Web and Mobile Development –IV	18CS6T5D	Employability	AR18
	Cyber Security-IV	18CS6T5E	Employability	AR18
	Industrial applications of CAD-IV	18CE6T5F	Employability	AR18
	Heat Transfer	18ME6T6	Employability	AR18
	Constitution of India	Mandatory course	Skill development	AR18
	Heat Transfer Lab	18ME6L1	Skill development	AR18
	Metrology & Instrumentation Lab	18ME6L2	Skill development	AR18
	Industrial Internship	18ME6L3	Skill development	AR18
	Finite Element Methods	18ME7T1	Employability	R16
	Micro Electro Mechanical Systems	18ME7T2	Employability	AR18
	CAD/CAM	18ME7T3	Employability	AR18
	Power Plant Engineering	18ME7T4	Employability	AR18
	Production Planning and control	18ME7T5	Employability	AR18
	Computational Fluid Dynamics	18ME7T6A	Employability	AR18

	Condition Monitoring	18ME7T6B	Employability	AR18
	Additive Manufacturing	18ME7T6C	Employability	AR18
	Project-1	18ME7P1	Employability	AR18
	Simulation Lab	18ME7L1	Skill development	AR18
	Unconventional Machining Processes	18ME8T1	Employability	AR18
	Automobile Engineering	18ME8T2	Employability	AR18
	Advanced Materials	18ME8T3A	Employability	AR18
B.TECH MECH	Design for Manufacture	18ME8T3B	Employability	AR18
	Gas Dynamics & Jet Propulsion	18ME8T3C	Employability	AR18
	Thermal Equipment Design	18ME8T4A	Employability	AR18
	Non Destructive Evaluation	18ME8T4B	Employability	AR18
	Quality and Reliability Engineering	18ME8T4C	Employability	AR18
	Project-2	18ME8P2	Skill development	AR18

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DEPARTMENT OF CIVIL ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2020-21

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulation
M.Tech (SE)	Theory of Elasticity	20SE1T1	EMPLOYABILITY	AR20
	Structural Dynamics	20SE1T2	EMPLOYABILITY	AR20
	Matrix Analysis of Structures	20SE1T3A	EMPLOYABILITY	AR20
	Analytical & Numerical Methods for Structural Engineering	20SE1T3B	EMPLOYABILITY	AR20
	Design of RCC Foundations	20SE1T3C	EMPLOYABILITY	AR20
	Bridge Engineering	20SE1T4A	SKIL DEVELOPMENT	AR20
	Repair and Rehabilitation of Structures	20SE1T4B	SKIL DEVELOPMENT	AR20
	Advanced Reinforced Concrete Design	20SE1T4C	EMPLOYABILITY	AR20
	Advanced Concrete Technology	20SE1T5	EMPLOYABILITY	AR20
	Advanced Concrete Technology Laboratory	20SE1L1	EMPLOYABILITY	AR20
	Advanced Structural Engineering Laboratory	20SE1L2	EMPLOYABILITY	AR20
	Audit Course – 1	20SE1A1	SKIL DEVELOPMENT	AR20
M.Tech (SE)	Finite Element Methods in Structural Engineering	20SE2T1	SKIL DEVELOPMENT	AR20
	Theory of Plates and Shells	20SE2T2	EMPLOYABILITY	AR20
	Stability of Structures	20SE2T3A	EMPLOYABILITY	AR20
	Advanced Steel Design	20SE2T3B	EMPLOYABILITY	AR20
	Analysis of Offshore Structures	20SE2T3C	EMPLOYABILITY	AR20
	Earthquake Resistant Design of Buildings	20SE2T4A	EMPLOYABILITY	AR20
	Precast and Prefabricated Structures	20SE2T4B	EMPLOYABILITY	AR20
	Earth Retaining Structures	20SE2T4C	EMPLOYABILITY	AR20
	Computer Aided Design Laboratory	20SE2L1	EMPLOYABILITY	AR20
	Structural Design laboratory	20SE2L2	SKIL DEVELOPMENT	AR20
	Mini Project With Seminar	20SE2MP1	SKIL DEVELOPMENT	AR20
	Audit Course -2	20SE2A2	SKIL DEVELOPMENT	AR20
M.Tech (SE)	Seminar	18SE3S1	SKIL DEVELOPMENT	AR18
	Thesis-Part-I	18SE3J1	SKIL DEVELOPMENT	AR18
	Research methodologies	18SE3R1	SKIL DEVELOPMENT	AR18
M.Tech (SE)	Project work & Thesis part-II	18SE4P1	SKIL DEVELOPMENT	AR18

IQAC

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HOD

Professor & Head
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Paritala, Krishna Dt.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MTECH A.Y- 2020-21

List of Employability/ Entrepreneurship/ Skill development courses offered in

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
	Electrical Machine Modeling & Analysis	20PE1T1	Employability	AR20
	Analysis of Power Electronic Converters	20PE1T2	Employability	AR20
	Modern Control Theory	20PE1T3A	Employability	AR20
	Power Quality and Custom Power Devices	20PE1T3B	Employability	AR20
	Programmable Logic Controllers & Applications	20PE1T3C	Employability	AR20
	Artificial Intelligence Techniques	20PE1T4A	Employability	AR20
	Renewable Energy Technologies	20PE1T4B	Employability	AR20
	HVDC Transmission and Flexible AC Transmission Systems	20PE1T4C	Employability	AR20
	Research Methodology and IPR	20PE1T5	Employability	AR20
	Power Electronics Simulation Laboratory	20PE1L1	Skill development	AR20
	Power Converters Laboratory	20PE1L2	Skill development	AR20
	Switched Mode Power Conversion	20PE2T1	Employability	AR20
	Power Electronic Control of Electrical Drives	20PE2T2	Employability	AR20
	Control & Integration of Renewable Energy Systems	20PE2T3A	Employability	AR20
	Hybrid Electric Vehicles	20PE2T3B	Employability	AR20
	Digital Control Systems	20PE2T3C	Employability	AR20
	Advanced Digital Signal Processing	20PE2T4A	Employability	AR20
	Applications of Power Converters	20PE2T4B	Employability	AR20
	Microcontrollers	20PE2T4C	Employability	AR20
	Electric Drives Simulation Laboratory	20PE2L1	Employability	AR20
	Electric Drives Laboratory	20PE2L2	Skill development	AR20
	Mini Project with Seminar		Skill development	AR20
	Digital Signal Processing Controlled Drives	20PE3T1A	Employability	AR20
	Smart Grid Technologies	20PE3T1B	Employability	AR20
	Modelling & Simulation of Power Electronic Systems	20PE3T1C	Employability	AR20
	Industrial Safety	20PE3T2A	Employability	AR20
	Energy Audit, Conservation & Management	20PE3T2B	Employability	AR20
	Composite Materials	20PE3T2C	Employability	AR20
	Dissertation Phase – I		Skill development	AR20
	Dissertation Phase – II		Skill development	AR20

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in A.Y: 2020-21

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulation
M.Tech (CSE)	Mathematical Foundations of Computer Science	20CP1T1	EMPLOYABILITY	AR20
	Advanced Data Structures & Algorithms	20CP1T2	EMPLOYABILITY	AR20
	Big Data Analytics	20CP1T3 A	EMPLOYABILITY	AR20
	Digital Image Processing	20CP1T3 B	EMPLOYABILITY	AR20
	Advanced Operating Systems	20CP13C	EMPLOYABILITY	AR20
	Advanced Computer Networks	20CP1T4A	EMPLOYABILITY	AR20
	Internet of Things	20CP1T4B	EMPLOYABILITY	AR20
	Object Oriented Software Engineering	20CP1T4C	EMPLOYABILITY	AR20
	Research Methodology and IPR	20CP1C1	EMPLOYABILITY	AR20
	Advanced Data Structures & Algorithms Lab	20CP1L1	SKIL DEVELOPMENT	AR20
	Advanced Computing Lab	20CP1L2	SKIL DEVELOPMENT	AR20
	Audit Course-I	20CP1A1	SKIL DEVELOPMENT	AR20
M.Tech (CSE)	Machine learning	20CP2T1	EMPLOYABILITY	AR20
	MEAN Stack Technologies	20CP2T2	EMPLOYABILITY	AR20
	Advanced Databases and Mining	20CP2T3A	EMPLOYABILITY	AR20
	Ad Hoc & Sensor Networks	20CP2T3B	EMPLOYABILITY	AR20
	Soft Computing	20CP2T3C	EMPLOYABILITY	AR20
	Cloud Computing	20CP2T4A	EMPLOYABILITY	AR20
	Principles of computer security	20CP2T4B	EMPLOYABILITY	AR20
	High Performance Computing	20CP2T4C	EMPLOYABILITY	AR20
	Machine Learning with python lab	20CP2L1	SKIL DEVELOPMENT	AR20

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2020-21

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulation
MCA	Computer Organization	19MCA2301	EMPLOYABILITY	AR20
	Database Management Systems	19MCA2302	EMPLOYABILITY	AR20
	Object Oriented Programming through Java	19MCA2303	EMPLOYABILITY	AR20
	Operating Systems	19MCA2304	EMPLOYABILITY	AR20
	Web Design and Development	19MCA2305	EMPLOYABILITY	AR20
	Database Management Systems Lab	19MCA2351	SKIL DEVELOPMENT	AR20
	Object Oriented Programming through Java Lab	19MCA2352	SKIL DEVELOPMENT	AR20
	Web Design and Development Lab	19MCA2353	SKIL DEVELOPMENT	AR20
	Personality Development Course (Logical Reasoning and English for Professionals)	19MCA5354	SKIL DEVELOPMENT	AR20
MCA	Statistics with R	19MCA2401	EMPLOYABILITY	AR20
	Computer Networks	19MCA2402	EMPLOYABILITY	AR20
	Design and Analysis of Algorithms	19MCA2403	EMPLOYABILITY	AR20
	Mobile Application Development	19MCA2404	EMPLOYABILITY	AR20
	Industrial Management	19MCA2405	EMPLOYABILITY	AR20
	Statistics with R Lab	19MCA2451	EMPLOYABILITY	AR20

	Computer Networks Lab	19MCA2452	SKIL DEVELOPMENT	AR20
	Mobile Application Development Lab	19MCA2453	SKIL DEVELOPMENT	AR20
	Seminar	19MCA4454	SKIL DEVELOPMENT	AR20
	Personality Development Course (Aptitude and Campus Recruitment Training)	19MCA5455	SKIL DEVELOPMENT	AR20
MCA	THEORY OF COMPUTATIONS	18MC3T1	EMPLOYABILITY	AR18
	COMPUTER NETWORKS	18MC3T2	EMPLOYABILITY	AR18
	SOFTWARE ENGINEERIN	18MC3T3	EMPLOYABILITY	AR18
	ADVANCED JAVA & WEB TECHNOLOGIES	18MC3T4	EMPLOYABILITY	AR18
	DESIGN AND ANALYSIS OF ALGORITHMS	18MC3T5	EMPLOYABILITY	AR18
	ADVANCED JAVA & WEB TECHNOLOGIES LAB	18MC3L1	SKIL DEVELOPMENT	AR18
	SHELL SCRIPTING LAB	18MC3L2	SKIL DEVELOPMENT	AR18
	COMPUTER NETWORKS LAB	18MC3L3	SKIL DEVELOPMENT	AR18
MCA	OBJECT ORIENTED ANALYSIS AND DESIGN	18MC4T1	EMPLOYABILITY	AR18
	COMPILER DESIGN	18MC4T2	EMPLOYABILITY	AR18
	DATA WAREHOUSING AND MINING	18MC4T3	EMPLOYABILITY	AR18
	ELECTIVE-1- MOBILE COMPUTING	18MC4T4A	EMPLOYABILITY	AR18
	HUMAN COMPUTER INTERACTION	18MC4T4B	EMPLOYABILITY	AR18
	CLOUD COMPUTING	18MC4T4C	EMPLOYABILITY	AR18
	ELECTIVE-2- SOFTWARE PROJECT MANAGEMENT	18MC4T5A	EMPLOYABILITY	AR18
	ARTIFICIAL INTELLIGENCE	18MC4T5B	EMPLOYABILITY	AR18
	EMBEDDED SYSTEMS	18MC4T5C	EMPLOYABILITY	AR18
	CLOUD COMPUTING LAB	18MC4L1	SKIL DEVELOPMENT	AR18
	DATA WAREHOUSING AND MINING LAB	18MC4L2	SKIL DEVELOPMENT	AR18

	Course	Code	Category	Regulation
	OBJECT ORIENTED ANALYSIS AND DESIGN LAB	18MC4L3	SKIL DEVELOPMENT	AR18
MCA	BIG DATA ANALYTICS	18MC5T1	EMPLOYABILITY	AR18
	CYBER SECURITY	18MC5T2	EMPLOYABILITY	AR18
	PYTHON PROGRAMMING	18MC5T3	EMPLOYABILITY	AR18
	ELECTIVE-3- SOFTWARE TESTING METHODOLOGIES	18MC5T4A	EMPLOYABILITY	AR18
	COMPUTER FORENSICS	18MC5T4B	EMPLOYABILITY	AR18
	E-COMMERCE	18MC5T4C	EMPLOYABILITY	AR18
	ELECTIVE-4- INTERNET OF THINGS	18MC5T5A	EMPLOYABILITY	AR18
	MULTIMEDIA APPLICATION DEVELOPMENT	18MC5T5B	EMPLOYABILITY	AR18
	NETWORK PROGRAMMING	18MC5T5C	EMPLOYABILITY	AR18
	BIG DATA ANALYTICS LAB	18MC5L1	SKIL DEVELOPMENT	AR18
	SOFTWARE TESTING LAB	18MC5L2	SKIL DEVELOPMENT	AR18
	PYTHON PROGRAMMING LAB	18MC5L3	SKIL DEVELOPMENT	AR18
MCA	SEMINAR ON PROJECT	18MC6S1	SKIL DEVELOPMENT	AR18
	DISSERTATION/ THESIS	18MC6P1	SKIL DEVELOPMENT	AR18

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

M.TECH

List of Employability/ Entrepreneurship/ Skill development courses offered in A.Y-2020-21

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
	Electrical Machine Modeling & Analysis	20PE1T1	Employability	AR20
	Analysis of Power Electronic Converters	20PE1T2	Employability	AR20
	Modern Control Theory	20PE1T3A	Employability	AR20
	Power Quality and Custom Power Devices	20PE1T3B	Employability	AR20
	Programmable Logic Controllers & Applications	20PE1T3C	Employability	AR20
	Artificial Intelligence Techniques	20PE1T4A	Employability	AR20
	Renewable Energy Technologies	20PE1T4B	Employability	AR20
	HVDC Transmission and Flexible AC Transmission Systems	20PE1T4C	Employability	AR20
	Research Methodology and IPR	20PE1T5	Employability	AR20
	Power Electronics Simulation Laboratory	20PE1L1	Skill development	AR20
	Power Converters Laboratory	20PE1L2	Skill development	AR20
	Switched Mode Power Conversion	20PE2T1	Employability	AR20
	Power Electronic Control of Electrical Drives	20PE2T2	Employability	AR20
	Control & Integration of Renewable Energy Systems	20PE2T3A	Employability	AR20
	Hybrid Electric Vehicles	20PE2T3B	Employability	AR20
M.TECH ECE	Digital Control Systems	20PE2T3C	Employability	AR20
	Advanced Digital Signal Processing	20PE2T4A	Employability	AR20
	Applications of Power Converters	20PE2T4B	Employability	AR20
	Microcontrollers	20PE2T4C	Employability	AR20
	Electric Drives Simulation Laboratory	20PE2L1	Employability	AR20
	Electric Drives Laboratory	20PE2L2	Skill development	AR20
	Mini Project with Seminar		Skill development	AR20
	Digital Signal Processing Controlled Drives	20PE3T1A	Employability	AR20
	Smart Grid Technologies	20PE3T1B	Employability	AR20
	Modelling & Simulation of Power Electronic Systems	20PE3T1C	Employability	AR20
	Industrial Safety	20PE3T2A	Employability	AR20
	Energy Audit, Conservation & Management	20PE3T2B	Employability	AR20
	Composite Materials	20PE3T2C	Employability	AR20
	Dissertation Phase - I		Skill development	AR20
	Dissertation Phase - II		Skill development	AR20

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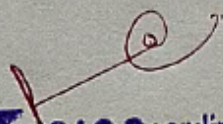
DEPARTMENT OF CIVIL ENGINEERING

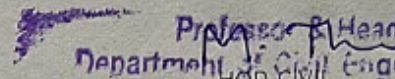### List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2020-21

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepr Skill development	Regulatic
B.Tech (CE)	ENGINEERING PHYSICS	20BS1T1	Skill development	AR20
	ORDINARY DIFFERENTIAL EQUATIONS AND CALCULUS	20BS1T2	Skill development	AR20
	ELECTRICAL CIRCUIT ANALYSIS	20ES1T3	Skill development	AR20
	C PROGRAMMING	20ES1T4	Skill development	AR20
	ENGINEERING GRAPHICS AND DESIGN	20ES1T5	Skill development	AR20
	ENGINEERING/APPLIED PHYSICS LAB	20BS1L1	Skill development	AR20
	C PROGRAMMING LAB	20ES1L2	Skill development	AR20
	ENGINEERING WORKSHOP & ITWS LAB	20ES1L3	Skill development	AR20
B.Tech (CE)	COMMUNICATIVE ENGLISH-I	20HS2T1	Employability	AR20
	LINEAR ALGEBRA & TRANSFORMATIONS	20BS2T2	Employability	AR20
	ENGINEERING CHEMISTRY	20BS2T3	Employability	AR20
	PYTHON PROGRAMMING	20ES2T4	Employability	AR20
	ENGINEERING MECHANICS	20ES2T5	Employability	AR20
	COMMUNICATIVE ENGLISH LAB	20HS2L1	Skill development	AR20
	ENGINEERING CHEMISTRY LAB	20BS2L2	Skill development	AR20
	PYTHON LAB	20ES 2L3	Skill development	AR20
	Environmental Studies	20MC2 T6	Skill development	AR20
	Probability & Stat	18CE3T1	Skill development	AR18
	Basic Electrical and	18CE3T2	Skill development	AR18

	Electronics En			
B.Tech (CE)	Strength of Materials -I	18CE3T3	Skill development	AR18
	Building Materials and Construct	18CE3T4	Skill development	AR18
	Surveying	18CE3T5	Skill development	AR18
	Fluid Mechanics	18CE3T6	Skill development	AR18
	Surveying Field work -I	18CE3L1	Skill development	AR18
	Strength of Materials Lab	18CE3L2	Skill development	AR18
	Managerial Economics and Real Estate	18CE3T7	Employability	AR18
B.Tech (CE)	Building Planning and D	18CE4T1	Skill development	AR18
	Strength of Materials -II	18CE4T2	Skill development	AR18
	Hydraulics and Hydraulic Machine	18CE4T3	Skill development	AR18
	Concrete Technology	18CE4T4	Skill development	AR18
	Structural Analysis - I	18CE4T5	Skill development	AR18
	Transportation Engineering - I	18CE4T6	Skill development	AR18
	FM & HHM Laboratory	18CE4L1	Skill development	AR18
	Surveying Field work - II	18CE4L2	Skill development	AR18
	Professional Ethics and Human Values	18CE4T7	Employability	AR18
B.Tech (CE)	Management Science & Financial Analysis	18CE5T1	Skill development	AR18
	Engineering Geology	18CE5T2	Skill development	AR18
	Structural Analysis - II	18CE5T3	Skill development	AR18
	Design and Drawing of Reinforced Concrete Structures	18CE5T4	Skill development	AR18
	Transportation Engineering - II	18CE5T5	Skill development	AR18
	Concrete Technology Lab	18CE5L1	Skill development	AR18
	Engineering Geology Laboratory	18CE5L2	Skill development	AR18
	Transportation Engineering Laboratory	18CE5L3	Skill development	AR18
	Personality Development	18CE5T6	Employability	AR18
B.Tech (CE)	Design and Drawing of Steel	18CE6T1	Skill development	AR18
	Geotechnical Engineering -I	18CE6T2	Skill development	AR18
	Environmental Engineering -I	18CE6T3	Skill development	AR18
	Water Resources Engineering	18CE6T4	Skill development	AR18
	Open Elective	18CE6T5	Skill development	AR18
	Geo-technical Engineering Lab	18CE6L1	Skill development	AR18
	Environmental Engineering Lab	18CE6L2	Skill development	AR18
	Computer Aided Engineering Lab	18CE6L3	Employability	AR18
	Internship & Summe	18CE6I1	Employability	AR18
B.Tech (CE)	Environmental Engineering -II	R16410T1	Skill development	R16
	Water Resource Engineering -II	R16410T2	Skill development	R16
	Geotechnical Engineering -	R16410T	Skill development	R16

	Remote Sensing and GIS Applications	18CE7T4	Employability	AR18
	Elective – I	18CE7T5	Employability	AR18
	Elective – II	18CE7T6	Employability	AR18
	CAD and GIS Lab	18CE7L1	Employability	AR18
	Irrigation Design and Drawing	18CE7L2	Skill development	AR18
	IPR & Patent	18CE7T7	Skill development	AR18
B.Tech (CE)	Estimation Specification and Contracts	18CE8T1	Skill development	AR18
	Construction Technology and Management	18CE8T2	Skill development	AR18
	Pre-Stressed Concrete	18CE8T3	Skill development	AR18
	Elective – III	18CE8T4	Skill development	AR18
	Project Work	18CE8P1	Skill development	AR18

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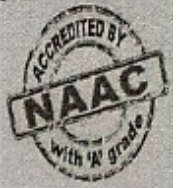
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DEPARTMENT OF ELECTRICAL AND ELECTRNICS ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered
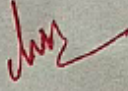## AY 2020-21

I YEAR I SEM				
Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.TECH EEE	Engineering Physics	20BS1T1	Employability	AR20
	Ordinary Differential Equations & Calculus	20BS1T2	Employability	AR20
	Electrical Circuit Analysis	20ES1T3	Employability	AR20
	C Programming	20ES1T4	Employability	AR20
	Engineering Graphics And Design	20ES1T5	Employability	AR20
	Engineering /Applied Physics Lab	20BS1L1	Skill development	AR20
	C Programming Lab	20ES1L2	Skill development	AR20
	Engineering Workshop & ITWS Lab	20ES1L3	Skill development	AR20
	Communicative English-I	20HS2T1	Employability	AR20
	Linear Algebra & Transformation	20BS2T2	Employability	AR20
	Engineering Chemistry	20BS2T3	Employability	AR20
	Python programming	20ES2T4	Employability	AR20
	Engineering Mechanics	20ES2T5	Employability	AR20
	Communicative English Lab	20HS2L1	Skill development	AR20
	Engineering Chemistry Lab	20BS2L2	Skill development	AR20
	Python Lab	20ES2L3	Skill development	AR20
	Environmental Studies	20MC2T6	Employability	AR20
	Electrical Circuit Analysis - II	18EE3T1	Employability	AR18
	Electrical Machines-I	18EE3T2	Employability	AR18
	Electronic Devices & Circuits	18EE3T3	Employability	AR18
	Electro Magnetic Fields	18EE3T4	Employability	AR18
	Thermal and Hydro Prime Movers	18EE3T5A	Employability	AR18
	Cloud Computing-I	18EE3T5B	Employability	AR18
	Cyber security-I	18EE3T5C	Employability	AR18
	Data Analytics-I	18EE3T5D	Employability	AR18
	Web & Mobile App development-I	18EE3T5E	Employability	AR18
	CAD/CAM	18EE3T5F	Employability	AR18
	Power Systems-I	18EE3T6	Skill development	AR18
	Thermal and Hydro	18EE3L1	Skill development	AR18

	Laboratory			
	Electrical Circuits Laboratory	18EE3L2	Skill development	AR18
	Electrical Measurements	18EE4T1	Employability	AR18
	Electrical Machines-II	18EE4T2	Employability	AR18
	Switching Theory and Logic Design	18EE4T3	Employability	AR18
	Control Systems	18EE4T4	Employability	AR18
	Managerial Economics & Financial Analysis	18EE4T5A	Employability	AR18
	Cloud Computing-II	18EE4T5B	Employability	AR18
	Cyber security-II	18EE4T5C	Employability	AR18
	Data Analytics-II	18EE4T5D	Employability	AR18
	Web & Mobile App development-II	18EE4T5E	Employability	AR18
	Power Systems -II	18EE4T6	Employability	AR18
	Electrical Machines -I Laboratory	18EE4L1	Skill development	AR18
	Electronic Devices & Circuits Lab	18EE4L2	Skill development	AR18
	Power Electronics	18EE5T1	Employability	AR18
	Power System Analysis	18EE5T2	Employability	AR18
	Signals and Systems	18EE5T3	Employability	AR18
	Pulse & Digital Circuits	18EE5T4	Employability	AR18
B.TECH EEE	Management Science	18EE5T5A	Employability	AR18
	Cloud Computing-III	18EE5T5B	Employability	AR18
	Cyber security-III	18EE5T5C	Employability	AR18
	Data Analytics-III	18EE5T5D	Employability	AR18
	Web & Mobile App development-III	18EE5T5E	Employability	AR18
	IPR & Patents	18EE5T6	Employability	AR18
	Electrical Machines-II Laboratory	18EE5L1	Skill development	AR18
	Control Systems & Simulation Lab	18EE5L2	Skill development	AR18
	Electrical Measurements Laboratory	18EE5L3	Skill development	AR18
	Power Electronic Controllers & Drives	18EE6T1	Employability	AR18
	Micro Processors and Micro controllers	18EE6T2	Employability	AR18
	Switchgear and Protection	18EE6T3	Employability	AR18
	Linear IC Applications	18EC6T4	Employability	AR18
	Cloud Computing-IV	18EE6T5A	Employability	AR18
	Cyber security- IV	18EE6T5B	Employability	AR18
	Data Analytics- IV	18EE6T5C	Employability	AR18
	Web & Mobile App development- IV	18EE6T5D	Employability	AR18
	Data Structures	18EE6T6	Employability	AR18
	Data Structures Laboratory	18EE6L1	Skill development	AR18
	Professional Ethics & Human Values	18EE6T7	Employability	AR18
	Power Electronics & Simulation Lab	18EE6L2	Skill development	AR18
	Utilization of Electrical Energy	R1641021	Employability	R16

	Linear IC Applications	R1641022	Employability	R16
	Power System Operation & Control	R1641023	Employability	R16
	Switchgear and Protection	R1641024	Employability	R16
	Electrical Machine Modeling and Analysis	R164102A	Employability	R16
	Advanced Control Systems	R164102B	Employability	R16
	Programmable Logic Controllers& Applications	R164102C	Employability	R16
	Instrumentation	R164102D	Employability	R16
	Optimization Techniques	R164102E	Employability	R16
	Electric Power Quality	R164102F	Employability	R16
	Special Electrical Machines	R164102G	Employability	R16
B.TECH EEE	Electrical Simulation Laboratory	R1641027	Skill development	R16
	Power Systems & Simulation Lab	R1641028	Skill development	R16
	Digital Control Systems	R1642021	Employability	R16
	Hvdc Transmission	R1642022	Employability	R16
	Electrical Distribution Systems	R1642023	Employability	R16
	High Voltage Engineering	R164202A	Employability	R16
	Flexible Alternating Current Transmission Systems	R164202B	Employability	R16
	Power System Reforms	R164202C	Employability	R16
	Seminar	R1642025	Skill development	R16
	Project	R1642026	Skill development	R16

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DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

AY 2020-21

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.Tech (ECE)	Engineering Physics	20BS1T1	Employability	AR 20
	Ordinary Differential Equations And Calculus	20BS1T2	Employability	AR 20
	Electrical Circuit Analysis	20ES1T3	Employability	AR 20
	C Programming	20ES1T4	Employability	AR 20
	Engineering Graphics And Design	20ES1T5	Employability	AR 20
	Engineering/Applied Physics Lab	20BS1L1	Employability	AR 20
	C Programming Lab	20ES1L2	Employability	AR 20
	Engineering Workshop & ITWS Lab	20ES1L3	Skill development	AR 20
	Environmental Studies	20MC1T6	Entrepreneurship	AR 20
	Communicative English-I	20HS2T1	Skill development	AR 20
	Linear Algebra And Transformations	20BS2T2	Employability	AR 20
	Engineering Chemistry	20BS2T3	Skill development	AR 20
	Python Programming	20ES2T4	Employability	AR 20
	Engineering Mechanics	20ES2T5	Employability	AR 20
	Communicative English Lab	20HS2L1	Employability	AR 20
	Engineering Chemistry Lab	20BS2L2	Employability	AR 20
	Python Lab	20ES2L3	Employability	AR 20
	Signals & Systems	18EC3T1	Employability	AR 18
	Electronic Devices and Circuits	18EC3T2	Employability	AR 18
	Probability Theory and Random Process	18EC3T3	Employability	AR 18
	Switching Theory and Logic Design	18EC3T4	Employability	AR 18
	Managerial Economics & Financial Analysis	18EC3T5A	Employability	AR 18
	Network Theory	18EC3T6	Employability	AR 18
	Electronics and Devices Circuits Lab	18EC3L1	Employability	AR 18
	Network Theory Lab	18EC3L2	Employability	AR 18
	Electromagnetic Theory and Transmission Lines	18EC4T1	Employability	AR 18

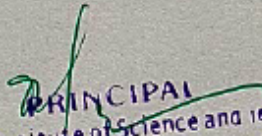| Subject	Code	Category	Regulation
Electronic Circuit Analysis	18EC4T2	Employability	AR 18
Analog & Digital Communication	18EC4T3	Employability	AR 18
Pulse and Digital Circuits	18EC4T4	Employability	AR 18
Management Science	18EC4T5A	Employability	AR 18
Pulse and Digital Circuits Lab	18EC4L1	Employability	AR 18
Analog Communication Lab	18EC4L2	Employability	AR 18
Electronic Circuits Analysis Lab	18EC4L3	Employability	AR 18
Personality development	18EC4T6	Employability	AR 18
Analog IC Applications	18EC5T1	Skill development	AR 18
Control Systems	18EC5T2	Employability	AR 18
Antenna and wave propagation	18EC5T3	Employability	AR 18
Digital Signal Processing	18EC5T4	Employability	AR 18
Biomedical Engineering	18EC5T5	Employability	AR 18
Digital Communication Lab	18EC5L1	Employability	AR 18
Analog IC Applications Lab	18EC5L2	Employability	AR 18
Digital Signal Processing Lab	18EC5L3	Employability	AR 18
Professional Ethics and Human Values	18EC5T6	Skill development	AR 18
Microwave Engineering	18EC6T1	Skill development	AR 18
Microprocessors and Microcontrollers	18EC6T2	Skill development	AR 18
Digital IC Applications	18EC6T3	Employability	AR 18
Application Oriented Internet of Things	18EC6T4	Employability	AR 18
OOPs Through JAVA	18EC6T5A	Employability	AR 18
IPR & Patents	18EC6T6	Skill development	AR 18
Microprocessors and Microcontrollers Lab	18EC6L1	Skill development	AR 18
Digital IC Application Lab	18EC6L2	Employability	AR 18
Computer Architecture and Organization	R1631041	Employability	R16
Linear I C Applications	R1631042	Employability	R16
Digital I C Applications	R1631043	Employability	R16
Digital Communications	R1631044	Employability	R16
Antenna and Wave Propagation	R1631045	Employability	R16
Pulse and Digital Circuits Lab	R1631049	Employability	R16
Linear I C Applications Lab	R1631041	Employability	R16
Digital I C Applications Lab	R1631042	Employability	R16
Professional Ethics & Human Values	R1631043	Skill development	R16
Micro Processors & Micro Controllers	R1632041	Entrepreneurship	R16
Micro Wave Engineering	R1632042	Employability	R16
VLSI Design	R1632043	Employability	R16
Digital Signal Processing	R1632044	Employability	R16
Bio-Medical Engineering	R163204D	Employability	R16
Radar Systems	R1641041	Employability	R16
Digital Image Processing	R1641042	Employability	R16
Computer Networks	R1641043	Employability	R16
Optical Communications	R1641044	Employability	R16
Electronic Switching Systems	R164104B	Employability	R16

Embedded Systems	R164104D	Employability	R16
Cellular Mobile Communications	R1642041	Employability	R16
Electronic Measurements and Instrumentation	R1642042	Employability	R16
Satellite Communications	R1642043	Employability	R16
Wireless sensors & Networks	R164204A	Employability	R16
Seminar	R1642045	Employability	R16
Project	R1642046	Employability	R16

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in
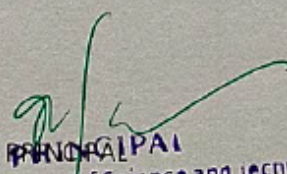
AY 2020-21

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.TECH CSE	Communicative English-I	20HS1T1	Employability	AR20
	Ordinary Differential Equations & Calculus	20BS1T2	Employability	AR20
	Engineering Chemistry	20BS1T3	Employability	AR20
	IT workshop	20CS1T4	Employability	AR20
	Python-I	20CS1T5	Employability	AR20
	Communicative English Lab	20HS1L1	Skill development	AR20
	Engineering Chemistry Lab	20BS1L2	Skill development	AR20
	Python lab-I	20CS1L3	Skill development	AR20
	Environmental Studies	20MC1T6	Employability	AR20
	Applied Physics	20BS2T1	Employability	AR20
	Linear Algebra & Transformation	20BS2T2	Employability	AR20
	Data Structures using C++	20CS2T3	Employability	AR20
	Python-II	20CS2T4	Employability	AR20
	Engineering Graphics & Design	20CS2T5	Employability	AR20
	Engineering/ Applied Physics Lab	20BS2L1	Skill development	AR20
	Data Structures and C++ lab	20CS2L2	Skill development	AR20
	Python Lab-II	20CS2L3	Skill development	AR20
	Unix and Shell Programming	18CS3T1	Employability	AR18
	Mathematical Foundation of Computer Science	18CS3T2	Employability	AR18
	Computer Organization	18CS3T3	Employability	AR18
	Java Programming	18CS3T4	Employability	AR18
	Digital Logic Design	18CS3T5A	Employability	AR18
	Data Analytics-1	18CS3T5B	Employability	AR18
	Cloud Computing-1	18CS3T5C	Employability	AR18
	Web and Mobile Development-1	18CS3T5D	Employability	AR18
	Cyber Security-1	18CS3T5E	Employability	AR18
	Data structures through c++	18CS3T6	Employability	AR18
	Data Structures through C++ Lab	18CS3L1	Skill development	AR18
	Java Programming Lab	18CS3L2		AR18
	Unix and Shell Programming Lab	18CS3L3		AR18
	Python Programming	18CS4T1	Employability	AR18
	Advanced Data Structures	18CS4T2	Employability	AR18
	Database Management Systems	18CS4T3	Employability	AR18

	Subject	Code	Category	Regulation
	Formal Languages and Automata Theory	18CS4T4	Employability	AR18
	Computer Graphics	18CS4T5A	Employability	AR18
	Data Analytics-2	18CS4T5B	Employability	AR18
	Cloud Computing-2	18CS4T5C	Employability	AR18
	Web and Mobile Development-2	18CS3T5D	Employability	AR18
	Cyber Security-2	18CS4T5E	Employability	AR18
	Operating Systems	18CS4T6	Employability	AR18
	Advanced Data Structures Lab	18CS4L1	Skill development	AR18
	Python Programming Lab	18CS4L2	Skill development	AR18
	Web Technologies	18CS5T1	Employability	AR18
	Statistics with R Programming	18CS5T2	Employability	AR18
	Software Engineering	18CS5T3	Employability	AR18
	Computer Networks	18CS5T4	Employability	AR18
	Compiler Design	18CS5T5A	Employability	AR18
	Data Analytics-3	18CS5T5B	Employability	AR18
	Cloud Computing-3	18CS5T5C	Employability	AR18
	Web and Mobile Development-3	18CS5T5D	Employability	AR18
	Cyber Security-3	18CS5T5E	Employability	AR18
	Statistics with R Programming Lab	18CS5L1	Employability	AR18
	Computer Networks Lab	18CS5L2	Skill development	AR18
	Web Technologies Lab	18CS5L3	Skill development	AR18
B.TECH CSE	Professional Ethics & Intellectual Property Rights	18CS5T6	Employability	AR18
	Principles of Programming Languages	18CS6T1	Employability	AR18
	Design and Analysis of Algorithms	18CS6T2	Employability	AR18
	Data Warehousing and Data Mining	18CS6T3	Employability	AR18
	Object Oriented Analysis and Design using UML	18CS6T4	Employability	AR18
	TCP/IP Protocols	18CS6T5A	Employability	AR18
	Data Analytics-4	18CS6T5B	Employability	AR18
	Cloud Computing-4	18CS6T5C	Employability	AR18
	Web and Mobile Development-4	18CS6T5D	Employability	AR18
	Cyber Security-4	18CS6T5E	Employability	AR18
	Object Oriented Analysis and Design using UML Lab	18CS6L1	Skill development	AR18
	Data Mining Lab	18CS6L2	Skill development	AR18
	Internship & Mini Project	18CS6I1	Skill development	AR18
	Cryptography and Network Security	R1641051	Employability	R16
	Software Architecture & Design Patterns	R1641052	Employability	R16
	Web Technologies	R1641053	Employability	R16
	Managerial Economics and Financial Analysis	R1641054	Employability	R16
	i. Big Data Analytics	R164105A	Employability	R16

	ii. Information Retrieval Systems iii. Mobile Computing			
	Cloud Computing	R164105D	Employability	R16
	Software Architecture & Design Patterns Lab	R1641057	Skill development	R16
	Web Technologies Lab	R1641058	Skill development	R16
	Distributed Systems	R1642051	Employability	R16
	Management Science	R1642052	Employability	R16
B.TECH CSE	Machine Learning	R1642053	Employability	R16
	i. Concurrent and Parallel Programming ii.Artificial Neural Networks iii.Operations Research	R164205A	Employability	R16
	Seminar	R1642055	Skill development	R16
	Project	R1642056	Skill development	R16

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DEPARTMENT OF MECHANICAL ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

AY 2020-21

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.TECH MECH	ENGINEERING PHYSICS	20BS1T1	Employability	AR20
	ORDINARY DIFFERENTIAL EQUATIONS AND CALCULUS	20BS1T2	Employability	AR20
	ELECTRICAL CIRCUIT ANALYSIS	20ES1T3	Employability	AR20
	C PROGRAMMING	20ES1T4	Employability	AR20
	ENGINEERING GRAPHICS AND DESIGN	20ES1T5	Employability	AR20
	ENGINEERING/APPLIED PHYSICS LAB	20BS1L1	Skill development	AR20
	C PROGRAMMING LAB	20ES1L2	Skill development	AR20
	ENGINEERING WORKSHOP & ITWS LAB	20ES1L3	Skill development	AR20
	ENVIRONMENTAL STUDIES	20MC1T6	Employability	AR20
	COMMUNICATIVE ENGLISH-I	20HS2T1	Employability	AR20
	LINEAR ALGEBRA & TRANSFORMATIONS	20BS2T2	Employability	AR20
	ENGINEERING CHEMISTRY	20BS2T3	Employability	AR20
	PYTHON PROGRAMMING	20ES2T4	Employability	AR20
	ENGINEERING MECHANICS	20ES2T5	Employability	AR20
	COMMUNICATIVE ENGLISH LAB	20HS2L1	Skill development	AR20
	ENGINEERING CHEMISTRY LAB	20BS2L2	Skill development	AR20
	PYTHON LAB	20ES2L3	Skill development	AR20
	Metallurgy & Materials Science	18ME3T1	Employability	AR18
	Engineering Drawing-II	18ME3T2	Employability	AR18

	Thermodynamics	18ME3T3	Employability	AR18
	Mechanics of Solids	18ME3T4	Employability	AR18
	Engineering Economics	18ME3T5A	Employability	AR18
	Data Analysis-I	18CS3T5B	Employability	AR18
	Cloud Computing-I	18CS3T5C	Employability	AR18
	Web and Mobile Development –I	18CS3T5D	Employability	AR18
	Cyber Security-I	18CS3T5E	Employability	AR18
	Industrial applications of CAD-1	18CE3T5F	Employability	AR18
	Electrical & Electronics Engineering Lab	18ME3L1	Skill development	AR18
B.TECH MECH	Mechanics of Solids & Metallurgy Lab	18ME3L2	Skill development	AR18
	Auto CAD-LAB	18ME3L3	Skill development	AR18
	Fluid Mechanics & Hydraulic Machines	18ME4T1	Employability	AR18
	Theory of Machines-I	18ME4T2	Employability	AR18
	Manufacturing Processes	18ME4T3	Employability	AR18
	Applied Thermodynamics	18ME4T4	Employability	AR18
	Machine Drawing	18ME4T5A	Employability	AR18
	Data Analytics-II	18CS4T5B	Employability	AR18
	Cloud Computing-II	18CS4T5C	Employability	AR18
	Web and Mobile Development –II	18CS4T5D	Employability	AR18
	Cyber Security-II	18CS4T5E	Employability	AR18
	Industrial applications of CAD-II	18CE4T5F	Employability	AR18
	Design of Machine Members -I	18ME4T6	Employability	AR18
	Manufacturing Processes Lab	18ME4L1	Skill development	AR18
	Fluid Mechanics & Hydraulic Machinery Lab	18ME4L2	Skill development	AR18
	I.C Engines & Gas Turbines	18ME5T1	Employability	AR18
	Theory of Machines-II	18ME5T2	Employability	AR18
	Manufacturing Technology	18ME5T3	Employability	AR18
	Design of Machine Members-II	18ME5T4	Employability	AR18
	Industrial Engineering and Management	18ME5T5A	Employability	AR18
	Data Analytics-III	18CS5T5B	Employability	AR18

	Course Name	Code	Category	Regulation
	Cloud Computing-III	18CS5T5C	Employability	AR18
	Web and Mobile Development –III	18CS5T5D	Employability	AR18
	Cyber Security-III	18CS5T5E	Employability	AR18
	Industrial applications of CAD-III	18CE5T5F	Employability	AR18
	IPR&P	Mandatory course	Skill development	AR18
	Theory of Machines Lab	18ME5L1	Skill development	AR18
	Manufacturing Technology Lab	18ME5L2	Skill development	AR18
	Thermal Engineering Lab	18ME5L3	Skill development	AR18
	Personality Development	18ME5L4	Skill development	AR18
	Instrumentation & Control Systems	18ME6T1	Employability	AR18
B.TECH MECH	Metrology	18ME6T2	Employability	AR18
	Operations Research	18ME6T3	Employability	AR18
	Refrigeration & Air-conditioning	18ME6T4	Employability	AR18
	Green Engineering Systems	18ME6T5A	Employability	AR18
	Data Analytics-IV	18CS6T5B	Employability	AR18
	Cloud Computing-IV	18CS6T5C	Employability	AR18
	Web and Mobile Development –IV	18CS6T5D	Employability	AR18
	Cyber Security-IV	18CS6T5E	Employability	AR18
	Industrial applications of CAD-IV	18CE6T5F	Employability	AR18
	Heat Transfer	18ME6T6	Employability	AR18
	Constitution of India	Mandatory course	Skill development	AR18
	Heat Transfer Lab	18ME6L1	Skill development	AR18
	Metrology & Instrumentation Lab	18ME6L2	Skill development	AR18
	Industrial Internship	18ME6L3	Skill development	AR18
	Finite Element Methods	18ME7T1	Employability	R16
	Micro Electro Mechanical Systems	18ME7T2	Employability	AR18
	CAD/CAM	18ME7T3	Employability	AR18
	Power Plant Engineering	18ME7T4	Employability	AR18
	Production Planning and control	18ME7T5	Employability	AR18
	Computational Fluid Dynamics	18ME7T6A	Employability	AR18

	Condition Monitoring	18ME7T6B	Employability	AR18
	Additive Manufacturing	18ME7T6C	Employability	AR18
	Project-1	18ME7P1	Employability	AR18
	Simulation Lab	18ME7L1	Skill development	AR18
	Unconventional Machining Processes	18ME8T1	Employability	AR18
	Automobile Engineering	18ME8T2	Employability	AR18
	Advanced Materials	18ME8T3A	Employability	AR18
B.TECH MECH	Design for Manufacture	18ME8T3B	Employability	AR18
	Gas Dynamics & Jet Propulsion	18ME8T3C	Employability	AR18
	Thermal Equipment Design	18ME8T4A	Employability	AR18
	Non Destructive Evaluation	18ME8T4B	Employability	AR18
	Quality and Reliability Engineering	18ME8T4C	Employability	AR18
	Project-2	18ME8P2	Skill development	AR18

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DEPARTMENT OF CIVIL ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2020-21

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulation
M.Tech (SE)	Theory of Elasticity	20SE1T1	EMPLOYABILITY	AR20
	Structural Dynamics	20SE1T2	EMPLOYABILITY	AR20
	Matrix Analysis of Structures	20SE1T3A	EMPLOYABILITY	AR20
	Analytical & Numerical Methods for Structural Engineering	20SE1T3B	EMPLOYABILITY	AR20
	Design of RCC Foundations	20SE1T3C	EMPLOYABILITY	AR20
	Bridge Engineering	20SE1T4A	SKIL DEVELOPMENT	AR20
	Repair and Rehabilitation of Structures	20SE1T4B	SKIL DEVELOPMENT	AR20
	Advanced Reinforced Concrete Design	20SE1T4C	EMPLOYABILITY	AR20
	Advanced Concrete Technology	20SE1T5	EMPLOYABILITY	AR20
	Advanced Concrete Technology Laboratory	20SE1L1	EMPLOYABILITY	AR20
	Advanced Structural Engineering Laboratory	20SE1L2	EMPLOYABILITY	AR20
	Audit Course – 1	20SE1A1	SKIL DEVELOPMENT	AR20
M.Tech (SE)	Finite Element Methods in Structural Engineering	20SE2T1	SKIL DEVELOPMENT	AR20
	Theory of Plates and Shells	20SE2T2	EMPLOYABILITY	AR20
	Stability of Structures	20SE2T3A	EMPLOYABILITY	AR20
	Advanced Steel Design	20SE2T3B	EMPLOYABILITY	AR20
	Analysis of Offshore Structures	20SE2T3C	EMPLOYABILITY	AR20
	Earthquake Resistant Design of Buildings	20SE2T4A	EMPLOYABILITY	AR20
	Precast and Prefabricated Structures	20SE2T4B	EMPLOYABILITY	AR20
	Earth Retaining Structures	20SE2T4C	EMPLOYABILITY	AR20
	Computer Aided Design Laboratory	20SE2L1	EMPLOYABILITY	AR20
	Structural Design laboratory	20SE2L2	SKIL DEVELOPMENT	AR20
	Mini Project With Seminar	20SE2MP1	SKIL DEVELOPMENT	AR20
	Audit Course -2	20SE2A2	SKIL DEVELOPMENT	AR20
M.Tech (SE)	Seminar	18SE3S1	SKIL DEVELOPMENT	AR18
	Thesis-Part-I	18SE3J1	SKIL DEVELOPMENT	AR18
	Research methodologies	18SE3R1	SKIL DEVELOPMENT	AR18
M.Tech (SE)	Project work & Thesis part-II	18SE4P1	SKIL DEVELOPMENT	AR18

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

M.TECH A.Y - 2020-21

List of Employability/ Entrepreneurship/ Skill development courses offered in

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
	Electrical Machine Modeling & Analysis	20PE1T1	Employability	AR20
	Analysis of Power Electronic Converters	20PE1T2	Employability	AR20
	Modern Control Theory	20PE1T3A	Employability	AR20
	Power Quality and Custom Power Devices	20PE1T3B	Employability	AR20
	Programmable Logic Controllers & Applications	20PE1T3C	Employability	AR20
	Artificial Intelligence Techniques	20PE1T4A	Employability	AR20
	Renewable Energy Technologies	20PE1T4B	Employability	AR20
	HVDC Transmission and Flexible AC Transmission Systems	20PE1T4C	Employability	AR20
	Research Methodology and IPR	20PE1T5	Employability	AR20
	Power Electronics Simulation Laboratory	20PE1L1	Skill development	AR20
	Power Converters Laboratory	20PE1L2	Skill development	AR20
	Switched Mode Power Conversion	20PE2T1	Employability	AR20
	Power Electronic Control of Electrical Drives	20PE2T2	Employability	AR20
	Control & Integration of Renewable Energy Systems	20PE2T3A	Employability	AR20
	Hybrid Electric Vehicles	20PE2T3B	Employability	AR20
	Digital Control Systems	20PE2T3C	Employability	AR20
	Advanced Digital Signal Processing	20PE2T4A	Employability	AR20
	Applications of Power Converters	20PE2T4B	Employability	AR20
	Microcontrollers	20PE2T4C	Employability	AR20
	Electric Drives Simulation Laboratory	20PE2L1	Employability	AR20
	Electric Drives Laboratory	20PE2L2	Skill development	AR20
	Mini Project with Seminar		Skill development	AR20
	Digital Signal Processing Controlled Drives	20PE3T1A	Employability	AR20
	Smart Grid Technologies	20PE3T1B	Employability	AR20
	Modelling & Simulation of Power Electronic Systems	20PE3T1C	Employability	AR20
	Industrial Safety	20PE3T2A	Employability	AR20
	Energy Audit, Conservation & Management	20PE3T2B	Employability	AR20
	Composite Materials	20PE3T2C	Employability	AR20
	Dissertation Phase - I		Skill development	AR20
	Dissertation Phase - II		Skill development	AR20

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in
A.Y: 2020-21

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulation
M.Tech (CSE)	Mathematical Foundations of Computer Science	20CP1T1	EMPLOYABILITY	AR20
	Advanced Data Structures & Algorithms	20CP1T2	EMPLOYABILITY	AR20
	Big Data Analytics	20CP1T3 A	EMPLOYABILITY	AR20
	Digital Image Processing	20CP1T3 B	EMPLOYABILITY	AR20
	Advanced Operating Systems	20CP13C	EMPLOYABILITY	AR20
	Advanced Computer Networks	20CP1T4A	EMPLOYABILITY	AR20
	Internet of Things	20CP1T4B	EMPLOYABILITY	AR20
	Object Oriented Software Engineering	20CP1T4C	EMPLOYABILITY	AR20
	Research Methodology and IPR	20CP1C1	EMPLOYABILITY	AR20
	Advanced Data Structures & Algorithms Lab	20CP1L1	SKIL DEVELOPMENT	AR20
	Advanced Computing Lab	20CP1L2	SKIL DEVELOPMENT	AR20
	Audit Course-1	20CP1A1	SKIL DEVELOPMENT	AR20
M.Tech (CSE)	Machine learning	20CP2T1	EMPLOYABILITY	AR20
	MEAN Stack Technologies	20CP2T2	EMPLOYABILITY	AR20
	Advanced Databases and Mining	20CP2T3A	EMPLOYABILITY	AR20
	Ad Hoc & Sensor Networks	20CP2T3B	EMPLOYABILITY	AR20
	Soft Computing	20CP2T3C	EMPLOYABILITY	AR20
	Cloud Computing	20CP2T4A	EMPLOYABILITY	AR20
	Principles of computer security	20CP2T4B	EMPLOYABILITY	AR20
	High Performance Computing	20CP2T4C	EMPLOYABILITY	AR20
	Machine Learning with python lab	20CP2L1	SKIL DEVELOPMENT	AR20

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2020-21

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulation
MCA	Computer Organization	19MCA2301	EMPLOYABILITY	AR20
	Database Management Systems	19MCA2302	EMPLOYABILITY	AR20
	Object Oriented Programming through Java	19MCA2303	EMPLOYABILITY	AR20
	Operating Systems	19MCA2304	EMPLOYABILITY	AR20
	Web Design and Development	19MCA2305	EMPLOYABILITY	AR20
	Database Management Systems Lab	19MCA2351	SKIL DEVELOPMENT	AR20
	Object Oriented Programming through Java Lab	19MCA2352	SKIL DEVELOPMENT	AR20
	Web Design and Development Lab	19MCA2353	SKIL DEVELOPMENT	AR20
	Personality Development Course (Logical Reasoning and English for Professionals)	19MCA5354	SKIL DEVELOPMENT	AR20
MCA	Statistics with R	19MCA2401	EMPLOYABILITY	AR20
	Computer Networks	19MCA2402	EMPLOYABILITY	AR20
	Design and Analysis of Algorithms	19MCA2403	EMPLOYABILITY	AR20
	Mobile Application Development	19MCA2404	EMPLOYABILITY	AR20
	Industrial Management	19MCA2405	EMPLOYABILITY	AR20
	Statistics with R Lab	19MCA2451	EMPLOYABILITY	AR20

	Course Name	Course Code	Category	Regulation
	Computer Networks Lab	19MCA2452	SKIL DEVELOPMENT	AR20
	Mobile Application Development Lab	19MCA2453	SKIL DEVELOPMENT	AR20
	Seminar	19MCA4454	SKIL DEVELOPMENT	AR20
	Personality Development Course (Aptitude and Campus Recruitment Training)	19MCA5455	SKIL DEVELOPMENT	AR20
MCA	THEORY OF COMPUTATIONS	18MC3T1	EMPLOYABILITY	AR18
	COMPUTER NETWORKS	18MC3T2	EMPLOYABILITY	AR18
	SOFTWARE ENGINEERIN	18MC3T3	EMPLOYABILITY	AR18
	ADVANCED JAVA & WEB TECHNOLOGIES	18MC3T4	EMPLOYABILITY	AR18
	DESIGN AND ANALYSIS OF ALGORITHMS	18MC3T5	EMPLOYABILITY	AR18
	ADVANCED JAVA & WEB TECHNOLOGIES LAB	18MC3L1	SKIL DEVELOPMENT	AR18
	SHELL SCRIPTING LAB	18MC3L2	SKIL DEVELOPMENT	AR18
	COMPUTER NETWORKS LAB	18MC3L3	SKIL DEVELOPMENT	AR18
MCA	OBJECT ORIENTED ANALYSIS AND DESIGN	18MC4T1	EMPLOYABILITY	AR18
	COMPILER DESIGN	18MC4T2	EMPLOYABILITY	AR18
	DATA WAREHOUSING AND MINING	18MC4T3	EMPLOYABILITY	AR18
	ELECTIVE-1- MOBILE COMPUTING	18MC4T4A	EMPLOYABILITY	AR18
	HUMAN COMPUTER INTERACTION	18MC4T4B	EMPLOYABILITY	AR18
	CLOUD COMPUTING	18MC4T4C	EMPLOYABILITY	AR18
	ELECTIVE-2- SOFTWARE PROJECT MANAGEMENT	18MC4T5A	EMPLOYABILITY	AR18
	ARTIFICIAL INTELLIGENCE	18MC4T5B	EMPLOYABILITY	AR18
	EMBEDDED SYSTEMS	18MC4T5C	EMPLOYABILITY	AR18
	CLOUD COMPUTING LAB	18MC4L1	SKIL DEVELOPMENT	AR18
	DATA WAREHOUSING AND MINING LAB	18MC4L2	SKIL DEVELOPMENT	AR18

	OBJECT ORIENTED ANALYSIS AND DESIGN LAB	18MC4L3	SKIL DEVELOPMENT	AR18
MCA	BIG DATA ANALYTICS	18MC5T1	EMPLOYABILITY	AR18
	CYBER SECURITY	18MC5T2	EMPLOYABILITY	AR18
	PYTHON PROGRAMMING	18MC5T3	EMPLOYABILITY	AR18
	ELECTIVE-3- SOFTWARE TESTING METHODOLOGIES	18MC5T4A	EMPLOYABILITY	AR18
	COMPUTER FORENSICS	18MC5T4B	EMPLOYABILITY	AR18
	E-COMMERCE	18MC5T4C	EMPLOYABILITY	AR18
	ELECTIVE-4- INTERNET OF THINGS	18MC5T5A	EMPLOYABILITY	AR18
	MULTIMEDIA APPLICATION DEVELOPMENT	18MC5T5B	EMPLOYABILITY	AR18
	NETWORK PROGRAMMING	18MC5T5C	EMPLOYABILITY	AR18
	BIG DATA ANALYTICS LAB	18MC5L1	SKIL DEVELOPMENT	AR18
	SOFTWARE TESTING LAB	18MC5L2	SKIL DEVELOPMENT	AR18
	PYTHON PROGRAMMING LAB	18MC5L3	SKIL DEVELOPMENT	AR18
MCA	SEMINAR ON PROJECT	18MC6S1	SKIL DEVELOPMENT	AR18
	DISSERTATION/ THESIS	18MC6P1	SKIL DEVELOPMENT	AR18

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

M.TECH

List of Employability/ Entrepreneurship/ Skill development courses offered in A.Y-2020-21

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
M.TECH ECE	Electrical Machine Modeling & Analysis	20PE1T1	Employability	AR20
	Analysis of Power Electronic Converters	20PE1T2	Employability	AR20
	Modern Control Theory	20PE1T3A	Employability	AR20
	Power Quality and Custom Power Devices	20PE1T3B	Employability	AR20
	Programmable Logic Controllers & Applications	20PE1T3C	Employability	AR20
	Artificial Intelligence Techniques	20PE1T4A	Employability	AR20
	Renewable Energy Technologies	20PE1T4B	Employability	AR20
	HVDC Transmission and Flexible AC Transmission Systems	20PE1T4C	Employability	AR20
	Research Methodology and IPR	20PE1T5	Employability	AR20
	Power Electronics Simulation Laboratory	20PE1L1	Skill development	AR20
	Power Converters Laboratory	20PE1L2	Skill development	AR20
	Switched Mode Power Conversion	20PE2T1	Employability	AR20
	Power Electronic Control of Electrical Drives	20PE2T2	Employability	AR20
	Control & Integration of Renewable Energy Systems	20PE2T3A	Employability	AR20
	Hybrid Electric Vehicles	20PE2T3B	Employability	AR20
	Digital Control Systems	20PE2T3C	Employability	AR20
	Advanced Digital Signal Processing	20PE2T4A	Employability	AR20
	Applications of Power Converters	20PE2T4B	Employability	AR20
	Microcontrollers	20PE2T4C	Employability	AR20
	Electric Drives Simulation Laboratory	20PE2L1	Employability	AR20
	Mini Project with Seminar	20PE2L2	Skill development	AR20
	Digital Signal Processing Controlled Drives	20PE3T1A	Skill development	AR20
	Smart Grid Technologies	20PE3T1B	Employability	AR20
	Modelling & Simulation of Power Electronic Systems	20PE3T1C	Employability	AR20
	Industrial Safety	20PE3T2A	Employability	AR20
	Energy Audit, Conservation & Management	20PE3T2B	Employability	AR20
	Composite Materials	20PE3T2C	Employability	AR20
	Dissertation Phase - I		Skill development	AR20
	Dissertation Phase - II		Skill development	AR20

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DEPARTMENT OF CIVIL ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2020-21

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepr Skill development	Regulati
B.Tech (CE)	ENGINEERING PHYSICS	20BS1T1	Skill development	AR20
	ORDINARY DIFFERENTIAL EQUATIONS AND CALCULUS	20BS1T2	Skill development	AR20
	ELECTRICAL CIRCUIT ANALYSIS	20ES1T3	Skill development	AR20
	C PROGRAMMING	20ES1T4	Skill development	AR20
	ENGINEERING GRAPHICS AND DESIGN	20ES1T5	Skill development	AR20
	ENGINEERING/APPLIED PHYSICS LAB	20BS1L1	Skill development	AR20
	C PROGRAMMING LAB	20ES1L2	Skill development	AR20
	ENGINEERING WORKSHOP & ITWS LAB	20ES1L3	Skill development	AR20
B.Tech (CE)	COMMUNICATIVE ENGLISH-I	20HS2T1	Employability	AR20
	LINEAR ALGEBRA & TRANSFORMATIONS	20BS2T2	Employability	AR20
	ENGINEERING CHEMISTRY	20BS2T3	Employability	AR20
	PYTHON PROGRAMMING	20ES2T4	Employability	AR20
	ENGINEERING MECHANICS	20ES2T5	Employability	AR20
	COMMUNICATIVE ENGLISH LAB	20HS2L1	Skill development	AR20
	ENGINEERING CHEMISTRY LAB	20BS2L2	Skill development	AR20
	PYTHON LAB	20ES2L3	Skill development	AR20
	Environmental Studies	20MC2T6	Skill development	AR20
	Probability & Stat	18CE3T1	Skill development	AR18
	Basic Electrical and	18CE3T2	Skill development	AR18

	Electronics En			
B.Tech (CE)	Strength of Materials -I	18CE3T3	Skill development	AR18
	Building Materials and Construct	18CE3T4	Skill development	AR18
	Surveying	18CE3T5	Skill development	AR18
	Fluid Mechanics	18CE3T6	Skill development	AR18
	Surveying Field work -I	18CE3L1	Skill development	AR18
	Strength of Materials Lab	18CE3L2	Skill development	AR18
	Managerial Economics and Real Estate	18CE3T7	Employability	AR18
B.Tech (CE)	Building Planning and D	18CE4T1	Skill development	AR18
	Strength of Materials -II	18CE4T2	Skill development	AR18
	Hydraulics and Hydraulic Machine	18CE4T3	Skill development	AR18
	Concrete Technology	18CE4T4	Skill development	AR18
	Structural Analysis - I	18CE4T5	Skill development	AR18
	Transportation Engineering - I	18CE4T6	Skill development	AR18
	FM & HHM Laboratory	18CE4L1	Skill development	AR18
	Surveying Field work - II	18CE4L2	Skill development	AR18
	Professional Ethics and Human Values	18CE4T7	Employability	AR18
B.Tech (CE)	Management Science & Financial Analysis	18CE5T1	Skill development	AR18
	Engineering Geology	18CE5T2	Skill development	AR18
	Structural Analysis - II	18CE5T3	Skill development	AR18
	Design and Drawing of Reinforced Concrete Structures	18CE5T4	Skill development	AR18
	Transportation Engineering - II	18CE5T5	Skill development	AR18
	Concrete Technology Lab	18CE5L1	Skill development	AR18
	Engineering Geology Laboratory	18CE5L2	Skill development	AR18
	Transportation Engineering Laboratory	18CE5L3	Skill development	AR18
	Personality Development	18CE5T6	Employability	AR18
B.Tech (CE)	Design and Drawing of Steel	18CE6T1	Skill development	AR18
	Geotechnical Engineering -I	18CE6T2	Skill development	AR18
	Environmental Engineering -I	18CE6T3	Skill development	AR18
	Water Resources Engineering	18CE6T4	Skill development	AR18
	Open Elective	18CE6T5	Skill development	AR18
	Geo-technical Engineering Lab	18CE6L1	Skill development	AR18
	Environmental Engineering Lab	18CE6L2	Skill development	AR18
	Computer Aided Engineering Lab	18CE6L3	Employability	AR18
	Internship & Summe	18CE6I1	Employability	AR18
B.Tech (CE)	Environmental Engineering -II	R16410T1	Skill development	R16
	Water Resource Engineering -II	R16410T2	Skill development	R16
	Geotechnical Engineering -	R16410T	Skill development	R16

	Remote Sensing and GIS Applications	18CE7T4	Employability	AR18
	Elective – I	18CE7T5	Employability	AR18
	Elective – II	18CE7T6	Employability	AR18
	CAD and GIS Lab	18CE7L1	Employability	AR18
	Irrigation Design and Drawing	18CE7L2	Skill development	AR18
	IPR & Patent	18CE7T7	Skill development	AR18
B.Tech (CE)	Estimation Specification and Contracts	18CE8T1	Skill development	AR18
	Construction Technology and Management	18CE8T2	Skill development	AR18
	Pre-Stressed Concrete	18CE8T3	Skill development	AR18
	Elective – III	18CE8T4	Skill development	AR18
	Project Work	18CE8P1	Skill development	AR18

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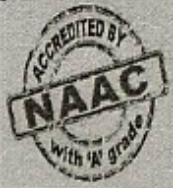
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DEPARTMENT OF ELECTRICAL AND ELECTRNICS ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered
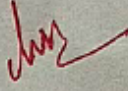## AY 2020-21

I YEAR I SEM				
Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.TECH EEE	Engineering Physics	20BS1T1	Employability	AR20
	Ordinary Differential Equations & Calculus	20BS1T2	Employability	AR20
	Electrical Circuit Analysis	20ES1T3	Employability	AR20
	C Programming	20ES1T4	Employability	AR20
	Engineering Graphics And Design	20ES1T5	Employability	AR20
	Engineering /Applied Physics Lab	20BS1L1	Skill development	AR20
	C Programming Lab	20ES1L2	Skill development	AR20
	Engineering Workshop & ITWS Lab	20ES1L3	Skill development	AR20
	Communicative English-I	20HS2T1	Employability	AR20
	Linear Algebra & Transformation	20BS2T2	Employability	AR20
	Engineering Chemistry	20BS2T3	Employability	AR20
	Python programming	20ES2T4	Employability	AR20
	Engineering Mechanics	20ES2T5	Employability	AR20
	Communicative English Lab	20HS2L1	Skill development	AR20
	Engineering Chemistry Lab	20BS2L2	Skill development	AR20
	Python Lab	20ES2L3	Skill development	AR20
	Environmental Studies	20MC2T6	Employability	AR20
	Electrical Circuit Analysis - II	18EE3T1	Employability	AR18
	Electrical Machines-I	18EE3T2	Employability	AR18
	Electronic Devices & Circuits	18EE3T3	Employability	AR18
	Electro Magnetic Fields	18EE3T4	Employability	AR18
	Thermal and Hydro Prime Movers	18EE3T5A	Employability	AR18
	Cloud Computing-I	18EE3T5B	Employability	AR18
	Cyber security-I	18EE3T5C	Employability	AR18
	Data Analytics-I	18EE3T5D	Employability	AR18
	Web & Mobile App development-I	18EE3T5E	Employability	AR18
	CAD/CAM	18EE3T5F	Employability	AR18
	Power Systems-I	18EE3T6	Skill development	AR18
	Thermal and Hydro	18EE3L1	Skill development	AR18

	Laboratory			
	Electrical Circuits Laboratory	18EE3L2	Skill development	AR18
	Electrical Measurements	18EE4T1	Employability	AR18
	Electrical Machines-II	18EE4T2	Employability	AR18
	Switching Theory and Logic Design	18EE4T3	Employability	AR18
	Control Systems	18EE4T4	Employability	AR18
	Managerial Economics & Financial Analysis	18EE4T5A	Employability	AR18
	Cloud Computing-II	18EE4T5B	Employability	AR18
	Cyber security-II	18EE4T5C	Employability	AR18
	Data Analytics-II	18EE4T5D	Employability	AR18
	Web & Mobile App development-II	18EE4T5E	Employability	AR18
	Power Systems -II	18EE4T6	Employability	AR18
	Electrical Machines -I Laboratory	18EE4L1	Skill development	AR18
	Electronic Devices & Circuits Lab	18EE4L2	Skill development	AR18
	Power Electronics	18EE5T1	Employability	AR18
	Power System Analysis	18EE5T2	Employability	AR18
	Signals and Systems	18EE5T3	Employability	AR18
	Pulse & Digital Circuits	18EE5T4	Employability	AR18
B.TECH EEE	Management Science	18EE5T5A	Employability	AR18
	Cloud Computing-III	18EE5T5B	Employability	AR18
	Cyber security-III	18EE5T5C	Employability	AR18
	Data Analytics-III	18EE5T5D	Employability	AR18
	Web & Mobile App development-III	18EE5T5E	Employability	AR18
	IPR & Patents	18EE5T6	Employability	AR18
	Electrical Machines-II Laboratory	18EE5L1	Skill development	AR18
	Control Systems & Simulation Lab	18EE5L2	Skill development	AR18
	Electrical Measurements Laboratory	18EE5L3	Skill development	AR18
	Power Electronic Controllers & Drives	18EE6T1	Employability	AR18
	Micro Processors and Micro controllers	18EE6T2	Employability	AR18
	Switchgear and Protection	18EE6T3	Employability	AR18
	Linear IC Applications	18EC6T4	Employability	AR18
	Cloud Computing-IV	18EE6T5A	Employability	AR18
	Cyber security- IV	18EE6T5B	Employability	AR18
	Data Analytics- IV	18EE6T5C	Employability	AR18
	Web & Mobile App development- IV	18EE6T5D	Employability	AR18
	Data Structures	18EE6T6	Employability	AR18
	Data Structures Laboratory	18EE6L1	Skill development	AR18
	Professional Ethics & Human Values	18EE6T7	Employability	AR18
	Power Electronics & Simulation Lab	18EE6L2	Skill development	AR18
	Utilization of Electrical Energy	R1641021	Employability	R16

	Linear IC Applications	R1641022	Employability	R16
	Power System Operation & Control	R1641023	Employability	R16
	Switchgear and Protection	R1641024	Employability	R16
	Electrical Machine Modeling and Analysis	R164102A	Employability	R16
	Advanced Control Systems	R164102B	Employability	R16
	Programmable Logic Controllers& Applications	R164102C	Employability	R16
	Instrumentation	R164102D	Employability	R16
	Optimization Techniques	R164102E	Employability	R16
	Electric Power Quality	R164102F	Employability	R16
	Special Electrical Machines	R164102G	Employability	R16
B.TECH EEE	Electrical Simulation Laboratory	R1641027	Skill development	R16
	Power Systems & Simulation Lab	R1641028	Skill development	R16
	Digital Control Systems	R1642021	Employability	R16
	Hvdc Transmission	R1642022	Employability	R16
	Electrical Distribution Systems	R1642023	Employability	R16
	High Voltage Engineering	R164202A	Employability	R16
	Flexible Alternating Current Transmission Systems	R164202B	Employability	R16
	Power System Reforms	R164202C	Employability	R16
	Seminar	R1642025	Skill development	R16
	Project	R1642026	Skill development	R16

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DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

AY 2020-21

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.Tech (ECE)	Engineering Physics	20BS1T1	Employability	AR 20
	Ordinary Differential Equations And Calculus	20BS1T2	Employability	AR 20
	Electrical Circuit Analysis	20ES1T3	Employability	AR 20
	C Programming	20ES1T4	Employability	AR 20
	Engineering Graphics And Design	20ES1T5	Employability	AR 20
	Engineering/Applied Physics Lab	20BS1L1	Employability	AR 20
	C Programming Lab	20ES1L2	Employability	AR 20
	Engineering Workshop & ITWS Lab	20ES1L3	Skill development	AR 20
	Environmental Studies	20MC1T6	Entrepreneurship	AR 20
	Communicative English-I	20HS2T1	Skill development	AR 20
	Linear Algebra And Transformations	20BS2T2	Employability	AR 20
	Engineering Chemistry	20BS2T3	Skill development	AR 20
	Python Programming	20ES2T4	Employability	AR 20
	Engineering Mechanics	20ES2T5	Employability	AR 20
	Communicative English Lab	20HS2L1	Employability	AR 20
	Engineering Chemistry Lab	20BS2L2	Employability	AR 20
	Python Lab	20ES2L3	Employability	AR 20
	Signals & Systems	18EC3T1	Employability	AR 18
	Electronic Devices and Circuits	18EC3T2	Employability	AR 18
	Probability Theory and Random Process	18EC3T3	Employability	AR 18
	Switching Theory and Logic Design	18EC3T4	Employability	AR 18
	Managerial Economics & Financial Analysis	18EC3T5A	Employability	AR 18
	Network Theory	18EC3T6	Employability	AR 18
	Electronics and Devices Circuits Lab	18EC3L1	Employability	AR 18
	Network Theory Lab	18EC3L2	Employability	AR 18
	Electromagnetic Theory and Transmission Lines	18EC4T1	Employability	AR 18

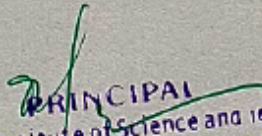| Subject	Code	Category	Regulation
Electronic Circuit Analysis	18EC4T2	Employability	AR 18
Analog & Digital Communication	18EC4T3	Employability	AR 18
Pulse and Digital Circuits	18EC4T4	Employability	AR 18
Management Science	18EC4T5A	Employability	AR 18
Pulse and Digital Circuits Lab	18EC4L1	Employability	AR 18
Analog Communication Lab	18EC4L2	Employability	AR 18
Electronic Circuits Analysis Lab	18EC4L3	Employability	AR 18
Personality development	18EC4T6	Employability	AR 18
Analog IC Applications	18EC5T1	Skill development	AR 18
Control Systems	18EC5T2	Employability	AR 18
Antenna and wave propagation	18EC5T3	Employability	AR 18
Digital Signal Processing	18EC5T4	Employability	AR 18
Biomedical Engineering	18EC5T5	Employability	AR 18
Digital Communication Lab	18EC5L1	Employability	AR 18
Analog IC Applications Lab	18EC5L2	Employability	AR 18
Digital Signal Processing Lab	18EC5L3	Employability	AR 18
Professional Ethics and Human Values	18EC5T6	Skill development	AR 18
Microwave Engineering	18EC6T1	Skill development	AR 18
Microprocessors and Microcontrollers	18EC6T2	Skill development	AR 18
Digital IC Applications	18EC6T3	Employability	AR 18
Application Oriented Internet of Things	18EC6T4	Employability	AR 18
OOPs Through JAVA	18EC6T5A	Employability	AR 18
IPR & Patents	18EC6T6	Skill development	AR 18
Microprocessors and Microcontrollers Lab	18EC6L1	Skill development	AR 18
Digital IC Application Lab	18EC6L2	Employability	AR 18
Computer Architecture and Organization	R1631041	Employability	R16
Linear I C Applications	R1631042	Employability	R16
Digital I C Applications	R1631043	Employability	R16
Digital Communications	R1631044	Employability	R16
Antenna and Wave Propagation	R1631045	Employability	R16
Pulse and Digital Circuits Lab	R1631049	Employability	R16
Linear I C Applications Lab	R1631041	Employability	R16
Digital I C Applications Lab	R1631042	Employability	R16
Professional Ethics & Human Values	R1631043	Skill development	R16
Micro Processors & Micro Controllers	R1632041	Entrepreneurship	R16
Micro Wave Engineering	R1632042	Employability	R16
VLSI Design	R1632043	Employability	R16
Digital Signal Processing	R1632044	Employability	R16
Bio-Medical Engineering	R163204D	Employability	R16
Radar Systems	R1641041	Employability	R16
Digital Image Processing	R1641042	Employability	R16
Computer Networks	R1641043	Employability	R16
Optical Communications	R1641044	Employability	R16
Electronic Switching Systems	R164104B	Employability	R16

	Embedded Systems	R164104D	Employability	R16
	Cellular Mobile Communications	R1642041	Employability	R16
	Electronic Measurements and Instrumentation	R1642042	Employability	R16
	Satellite Communications	R1642043	Employability	R16
	Wireless sensors & Networks	R164204A	Employability	R16
	Seminar	R1642045	Employability	R16
	Project	R1642046	Employability	R16

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in
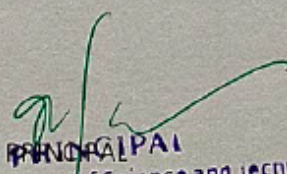
AY 2020-21

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
B.TECH CSE	Communicative English-I	20HS1T1	Employability	AR20
	Ordinary Differential Equations & Calculus	20BS1T2	Employability	AR20
	Engineering Chemistry	20BS1T3	Employability	AR20
	IT workshop	20CS1T4	Employability	AR20
	Python-I	20CS1T5	Employability	AR20
	Communicative English Lab	20HS1L1	Skill development	AR20
	Engineering Chemistry Lab	20BS1L2	Skill development	AR20
	Python lab-I	20CS1L3	Skill development	AR20
	Environmental Studies	20MC1T6	Employability	AR20
	Applied Physics	20BS2T1	Employability	AR20
	Linear Algebra & Transformation	20BS2T2	Employability	AR20
	Data Structures using C++	20CS2T3	Employability	AR20
	Python-II	20CS2T4	Employability	AR20
	Engineering Graphics & Design	20CS2T5	Employability	AR20
	Engineering/ Applied Physics Lab	20BS2L1	Skill development	AR20
	Data Structures and C++ lab	20CS2L2	Skill development	AR20
	Python Lab-II	20CS2L3	Skill development	AR20
	Unix and Shell Programming	18CS3T1	Employability	AR18
	Mathematical Foundation of Computer Science	18CS3T2	Employability	AR18
	Computer Organization	18CS3T3	Employability	AR18
	Java Programming	18CS3T4	Employability	AR18
	Digital Logic Design	18CS3T5A	Employability	AR18
	Data Analytics-1	18CS3T5B	Employability	AR18
	Cloud Computing-1	18CS3T5C	Employability	AR18
	Web and Mobile Development-1	18CS3T5D	Employability	AR18
	Cyber Security-1	18CS3T5E	Employability	AR18
	Data structures through c++	18CS3T6	Employability	AR18
	Data Structures through C++ Lab	18CS3L1	Skill development	AR18
	Java Programming Lab	18CS3L2		AR18
	Unix and Shell Programming Lab	18CS3L3		AR18
	Python Programming	18CS4T1	Employability	AR18
	Advanced Data Structures	18CS4T2	Employability	AR18
	Database Management Systems	18CS4T3	Employability	AR18

	Subject	Code	Category	Regulation
	Formal Languages and Automata Theory	18CS4T4	Employability	AR18
	Computer Graphics	18CS4T5A	Employability	AR18
	Data Analytics-2	18CS4T5B	Employability	AR18
	Cloud Computing-2	18CS4T5C	Employability	AR18
	Web and Mobile Development-2	18CS3T5D	Employability	AR18
	Cyber Security-2	18CS4T5E	Employability	AR18
	Operating Systems	18CS4T6	Employability	AR18
	Advanced Data Structures Lab	18CS4L1	Skill development	AR18
	Python Programming Lab	18CS4L2	Skill development	AR18
	Web Technologies	18CS5T1	Employability	AR18
	Statistics with R Programming	18CS5T2	Employability	AR18
	Software Engineering	18CS5T3	Employability	AR18
	Computer Networks	18CS5T4	Employability	AR18
	Compiler Design	18CS5T5A	Employability	AR18
	Data Analytics-3	18CS5T5B	Employability	AR18
	Cloud Computing-3	18CS5T5C	Employability	AR18
	Web and Mobile Development-3	18CS5T5D	Employability	AR18
	Cyber Security-3	18CS5T5E	Employability	AR18
	Statistics with R Programming Lab	18CS5L1	Employability	AR18
	Computer Networks Lab	18CS5L2	Skill development	AR18
	Web Technologies Lab	18CS5L3	Skill development	AR18
B.TECH CSE	Professional Ethics & Intellectual Property Rights	18CS5T6	Employability	AR18
	Principles of Programming Languages	18CS6T1	Employability	AR18
	Design and Analysis of Algorithms	18CS6T2	Employability	AR18
	Data Warehousing and Data Mining	18CS6T3	Employability	AR18
	Object Oriented Analysis and Design using UML	18CS6T4	Employability	AR18
	TCP/IP Protocols	18CS6T5A	Employability	AR18
	Data Analytics-4	18CS6T5B	Employability	AR18
	Cloud Computing-4	18CS6T5C	Employability	AR18
	Web and Mobile Development-4	18CS6T5D	Employability	AR18
	Cyber Security-4	18CS6T5E	Employability	AR18
	Object Oriented Analysis and Design using UML Lab	18CS6L1	Skill development	AR18
	Data Mining Lab	18CS6L2	Skill development	AR18
	Internship & Mini Project	18CS6I1	Skill development	AR18
	Cryptography and Network Security	R1641051	Employability	R16
	Software Architecture & Design Patterns	R1641052	Employability	R16
	Web Technologies	R1641053	Employability	R16
	Managerial Economics and Financial Analysis	R1641054	Employability	R16
	i. Big Data Analytics	R164105A	Employability	R16

	ii. Information Retrieval Systems iii. Mobile Computing			
	Cloud Computing	R164105D	Employability	R16
	Software Architecture & Design Patterns Lab	R1641057	Skill development	R16
	Web Technologies Lab	R1641058	Skill development	R16
	Distributed Systems	R1642051	Employability	R16
	Management Science	R1642052	Employability	R16
B.TECH CSE	Machine Learning	R1642053	Employability	R16
	i. Concurrent and Parallel Programming ii.Artificial Neural Networks iii.Operations Research	R164205A	Employability	R16
	Seminar	R1642055	Skill development	R16
	Project	R1642056	Skill development	R16

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DEPARTMENT OF MECHANICAL ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

AY 2020-21

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
	ENGINEERING PHYSICS	20BS1T1	Employability	AR20
	ORDINARY DIFFERENTIAL EQUATIONS AND CALCULUS	20BS1T2	Employability	AR20
	ELECTRICAL CIRCUIT ANALYSIS	20ES1T3	Employability	AR20
	C PROGRAMMING	20ES1T4	Employability	AR20
	ENGINEERING GRAPHICS AND DESIGN	20ES1T5	Employability	AR20
	ENGINEERING/APPLIED PHYSICS LAB	20BS1L1	Skill development	AR20
	C PROGRAMMING LAB	20ES1L2	Skill development	AR20
	ENGINEERING WORKSHOP & ITWS LAB	20ES1L3	Skill development	AR20
	ENVIRONMENTAL STUDIES	20MC1T6	Employability	AR20
	COMMUNICATIVE ENGLISH-I	20HS2T1	Employability	AR20
	LINEAR ALGEBRA & TRANSFORMATIONS	20BS2T2	Employability	AR20
B.TECH MECH	ENGINEERING CHEMISTRY	20BS2T3	Employability	AR20
	PYTHON PROGRAMMING	20ES2T4	Employability	AR20
	ENGINEERING MECHANICS	20ES2T5	Employability	AR20
	COMMUNICATIVE ENGLISH LAB	20HS2L1	Skill development	AR20
	ENGINEERING CHEMISTRY LAB	20BS2L2	Skill development	AR20
	PYTHON LAB	20ES2L3	Skill development	AR20
	Metallurgy & Materials Science	18ME3T1	Employability	AR18
	Engineering Drawing-II	18ME3T2	Employability	AR18

	Thermodynamics	18ME3T3	Employability	AR18
	Mechanics of Solids	18ME3T4	Employability	AR18
	Engineering Economics	18ME3T5A	Employability	AR18
	Data Analysis-I	18CS3T5B	Employability	AR18
	Cloud Computing-I	18CS3T5C	Employability	AR18
	Web and Mobile Development –I	18CS3T5D	Employability	AR18
	Cyber Security-I	18CS3T5E	Employability	AR18
	Industrial applications of CAD-1	18CE3T5F	Employability	AR18
	Electrical & Electronics Engineering Lab	18ME3L1	Skill development	AR18
B.TECH MECH	Mechanics of Solids & Metallurgy Lab	18ME3L2	Skill development	AR18
	Auto CAD-LAB	18ME3L3	Skill development	AR18
	Fluid Mechanics & Hydraulic Machines	18ME4T1	Employability	AR18
	Theory of Machines-I	18ME4T2	Employability	AR18
	Manufacturing Processes	18ME4T3	Employability	AR18
	Applied Thermodynamics	18ME4T4	Employability	AR18
	Machine Drawing	18ME4T5A	Employability	AR18
	Data Analytics-II	18CS4T5B	Employability	AR18
	Cloud Computing-II	18CS4T5C	Employability	AR18
	Web and Mobile Development –II	18CS4T5D	Employability	AR18
	Cyber Security-II	18CS4T5E	Employability	AR18
	Industrial applications of CAD-II	18CE4T5F	Employability	AR18
	Design of Machine Members -I	18ME4T6	Employability	AR18
	Manufacturing Processes Lab	18ME4L1	Skill development	AR18
	Fluid Mechanics & Hydraulic Machinery Lab	18ME4L2	Skill development	AR18
	I.C Engines & Gas Turbines	18ME5T1	Employability	AR18
	Theory of Machines-II	18ME5T2	Employability	AR18
	Manufacturing Technology	18ME5T3	Employability	AR18
	Design of Machine Members-II	18ME5T4	Employability	AR18
	Industrial Engineering and Management	18ME5T5A	Employability	AR18
	Data Analytics-III	18CS5T5B	Employability	AR18

	Course Name	Code	Category	Regulation
	Cloud Computing-III	18CS5T5C	Employability	AR18
	Web and Mobile Development –III	18CS5T5D	Employability	AR18
	Cyber Security-III	18CS5T5E	Employability	AR18
	Industrial applications of CAD-III	18CE5T5F	Employability	AR18
	IPR&P	Mandatory course	Skill development	AR18
	Theory of Machines Lab	18ME5L1	Skill development	AR18
	Manufacturing Technology Lab	18ME5L2	Skill development	AR18
	Thermal Engineering Lab	18ME5L3	Skill development	AR18
	Personality Development	18ME5L4	Skill development	AR18
	Instrumentation & Control Systems	18ME6T1	Employability	AR18
B.TECH MECH	Metrology	18ME6T2	Employability	AR18
	Operations Research	18ME6T3	Employability	AR18
	Refrigeration & Air-conditioning	18ME6T4	Employability	AR18
	Green Engineering Systems	18ME6T5A	Employability	AR18
	Data Analytics-IV	18CS6T5B	Employability	AR18
	Cloud Computing-IV	18CS6T5C	Employability	AR18
	Web and Mobile Development –IV	18CS6T5D	Employability	AR18
	Cyber Security-IV	18CS6T5E	Employability	AR18
	Industrial applications of CAD-IV	18CE6T5F	Employability	AR18
	Heat Transfer	18ME6T6	Employability	AR18
	Constitution of India	Mandatory course	Skill development	AR18
	Heat Transfer Lab	18ME6L1	Skill development	AR18
	Metrology & Instrumentation Lab	18ME6L2	Skill development	AR18
	Industrial Internship	18ME6L3	Skill development	AR18
	Finite Element Methods	18ME7T1	Employability	R16
	Micro Electro Mechanical Systems	18ME7T2	Employability	AR18
	CAD/CAM	18ME7T3	Employability	AR18
	Power Plant Engineering	18ME7T4	Employability	AR18
	Production Planning and control	18ME7T5	Employability	AR18
	Computational Fluid Dynamics	18ME7T6A	Employability	AR18

	Condition Monitoring	18ME7T6B	Employability	AR18
	Additive Manufacturing	18ME7T6C	Employability	AR18
	Project-1	18ME7P1	Employability	AR18
	Simulation Lab	18ME7L1	Skill development	AR18
	Unconventional Machining Processes	18ME8T1	Employability	AR18
	Automobile Engineering	18ME8T2	Employability	AR18
	Advanced Materials	18ME8T3A	Employability	AR18
B.TECH MECH	Design for Manufacture	18ME8T3B	Employability	AR18
	Gas Dynamics & Jet Propulsion	18ME8T3C	Employability	AR18
	Thermal Equipment Design	18ME8T4A	Employability	AR18
	Non Destructive Evaluation	18ME8T4B	Employability	AR18
	Quality and Reliability Engineering	18ME8T4C	Employability	AR18
	Project-2	18ME8P2	Skill development	AR18

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DEPARTMENT OF CIVIL ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2020-21

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulation
M.Tech (SE)	Theory of Elasticity	20SE1T1	EMPLOYABILITY	AR20
	Structural Dynamics	20SE1T2	EMPLOYABILITY	AR20
	Matrix Analysis of Structures	20SE1T3A	EMPLOYABILITY	AR20
	Analytical & Numerical Methods for Structural Engineering	20SE1T3B	EMPLOYABILITY	AR20
	Design of RCC Foundations	20SE1T3C	EMPLOYABILITY	AR20
	Bridge Engineering	20SE1T4A	SKIL DEVELOPMENT	AR20
	Repair and Rehabilitation of Structures	20SE1T4B	SKIL DEVELOPMENT	AR20
	Advanced Reinforced Concrete Design	20SE1T4C	EMPLOYABILITY	AR20
	Advanced Concrete Technology	20SE1T5	EMPLOYABILITY	AR20
	Advanced Concrete Technology Laboratory	20SE1L1	EMPLOYABILITY	AR20
	Advanced Structural Engineering Laboratory	20SE1L2	EMPLOYABILITY	AR20
	Audit Course –1	20SE1A1	SKIL DEVELOPMENT	AR20
M.Tech (SE)	Finite Element Methods in Structural Engineering	20SE2T1	SKIL DEVELOPMENT	AR20
	Theory of Plates and Shells	20SE2T2	EMPLOYABILITY	AR20
	Stability of Structures	20SE2T3A	EMPLOYABILITY	AR20
	Advanced Steel Design	20SE2T3B	EMPLOYABILITY	AR20
	Analysis of Offshore Structures	20SE2T3C	EMPLOYABILITY	AR20
	Earthquake Resistant Design of Buildings	20SE2T4A	EMPLOYABILITY	AR20
	Precast and Prefabricated Structures	20SE2T4B	EMPLOYABILITY	AR20
	Earth Retaining Structures	20SE2T4C	EMPLOYABILITY	AR20
	Computer Aided Design Laboratory	20SE2L1	EMPLOYABILITY	AR20
	Structural Design laboratory	20SE2L2	SKIL DEVELOPMENT	AR20
	Mini Project With Seminar	20SE2MP1	SKIL DEVELOPMENT	AR20
	Audit Course -2	20SE2A2	SKIL DEVELOPMENT	AR20
M.Tech (SE)	Seminar	18SE3S1	SKIL DEVELOPMENT	AR18
	Thesis-Part-I	18SE3J1	SKIL DEVELOPMENT	AR18
	Research methodologies	18SE3R1	SKIL DEVELOPMENT	AR18
M.Tech (SE)	Project work & Thesis part-II	18SE4P1	SKIL DEVELOPMENT	AR18

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

M.TECH A.Y - 2020-21

List of Employability/ Entrepreneurship/ Skill development courses offered in

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
	Electrical Machine Modeling & Analysis	20PE1T1	Employability	AR20
	Analysis of Power Electronic Converters	20PE1T2	Employability	AR20
	Modern Control Theory	20PE1T3A	Employability	AR20
	Power Quality and Custom Power Devices	20PE1T3B	Employability	AR20
	Programmable Logic Controllers & Applications	20PE1T3C	Employability	AR20
	Artificial Intelligence Techniques	20PE1T4A	Employability	AR20
	Renewable Energy Technologies	20PE1T4B	Employability	AR20
	HVDC Transmission and Flexible AC Transmission Systems	20PE1T4C	Employability	AR20
	Research Methodology and IPR	20PE1T5	Employability	AR20
	Power Electronics Simulation Laboratory	20PE1L1	Skill development	AR20
	Power Converters Laboratory	20PE1L2	Skill development	AR20
	Switched Mode Power Conversion	20PE2T1	Employability	AR20
	Power Electronic Control of Electrical Drives	20PE2T2	Employability	AR20
	Control & Integration of Renewable Energy Systems	20PE2T3A	Employability	AR20
	Hybrid Electric Vehicles	20PE2T3B	Employability	AR20
	Digital Control Systems	20PE2T3C	Employability	AR20
	Advanced Digital Signal Processing	20PE2T4A	Employability	AR20
	Applications of Power Converters	20PE2T4B	Employability	AR20
	Microcontrollers	20PE2T4C	Employability	AR20
	Electric Drives Simulation Laboratory	20PE2L1	Employability	AR20
	Electric Drives Laboratory	20PE2L2	Skill development	AR20
	Mini Project with Seminar		Skill development	AR20
	Digital Signal Processing Controlled Drives	20PE3T1A	Employability	AR20
	Smart Grid Technologies	20PE3T1B	Employability	AR20
	Modelling & Simulation of Power Electronic Systems	20PE3T1C	Employability	AR20
	Industrial Safety	20PE3T2A	Employability	AR20
	Energy Audit, Conservation & Management	20PE3T2B	Employability	AR20
	Composite Materials	20PE3T2C	Employability	AR20
	Dissertation Phase - I		Skill development	AR20
	Dissertation Phase - II		Skill development	AR20

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

List of Employability/ Entrepreneurship/ Skill development courses offered in A.Y: 2020-21

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulation
M.Tech (CSE)	Mathematical Foundations of Computer Science	20CP1T1	EMPLOYABILITY	AR20
	Advanced Data Structures & Algorithms	20CP1T2	EMPLOYABILITY	AR20
	Big Data Analytics	20CP1T3 A	EMPLOYABILITY	AR20
	Digital Image Processing	20CP1T3 B	EMPLOYABILITY	AR20
	Advanced Operating Systems	20CP13C	EMPLOYABILITY	AR20
	Advanced Computer Networks	20CP1T4A	EMPLOYABILITY	AR20
	Internet of Things	20CP1T4B	EMPLOYABILITY	AR20
	Object Oriented Software Engineering	20CP1T4C	EMPLOYABILITY	AR20
	Research Methodology and IPR	20CP1C1	EMPLOYABILITY	AR20
	Advanced Data Structures & Algorithms Lab	20CP1L1	SKIL DEVELOPMENT	AR20
	Advanced Computing Lab	20CP1L2	SKIL DEVELOPMENT	AR20
	Audit Course-1	20CP1A1	SKIL DEVELOPMENT	AR20
M.Tech (CSE)	Machine learning	20CP2T1	EMPLOYABILITY	AR20
	MEAN Stack Technologies	20CP2T2	EMPLOYABILITY	AR20
	Advanced Databases and Mining	20CP2T3A	EMPLOYABILITY	AR20
	Ad Hoc & Sensor Networks	20CP2T3B	EMPLOYABILITY	AR20
	Soft Computing	20CP2T3C	EMPLOYABILITY	AR20
	Cloud Computing	20CP2T4A	EMPLOYABILITY	AR20
	Principles of computer security	20CP2T4B	EMPLOYABILITY	AR20
	High Performance Computing	20CP2T4C	EMPLOYABILITY	AR20
	Machine Learning with python lab	20CP2L1	SKIL DEVELOPMENT	AR20

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

List of Employability/ Entrepreneurship/ Skill development courses offered in

A.Y: 2020-21

Program Name	Name of the course	Course code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulation
MCA	Computer Organization	19MCA2301	EMPLOYABILITY	AR20
	Database Management Systems	19MCA2302	EMPLOYABILITY	AR20
	Object Oriented Programming through Java	19MCA2303	EMPLOYABILITY	AR20
	Operating Systems	19MCA2304	EMPLOYABILITY	AR20
	Web Design and Development	19MCA2305	EMPLOYABILITY	AR20
	Database Management Systems Lab	19MCA2351	SKIL DEVELOPMENT	AR20
	Object Oriented Programming through Java Lab	19MCA2352	SKIL DEVELOPMENT	AR20
	Web Design and Development Lab	19MCA2353	SKIL DEVELOPMENT	AR20
	Personality Development Course (Logical Reasoning and English for Professionals)	19MCA5354	SKIL DEVELOPMENT	AR20
MCA	Statistics with R	19MCA2401	EMPLOYABILITY	AR20
	Computer Networks	19MCA2402	EMPLOYABILITY	AR20
	Design and Analysis of Algorithms	19MCA2403	EMPLOYABILITY	AR20
	Mobile Application Development	19MCA2404	EMPLOYABILITY	AR20
	Industrial Management	19MCA2405	EMPLOYABILITY	AR20
	Statistics with R Lab	19MCA2451	EMPLOYABILITY	AR20

	Computer Networks Lab	19MCA2452	SKIL DEVELOPMENT	AR20
	Mobile Application Development Lab	19MCA2453	SKIL DEVELOPMENT	AR20
	Seminar	19MCA4454	SKIL DEVELOPMENT	AR20
	Personality Development Course (Aptitude and Campus Recruitment Training)	19MCA5455	SKIL DEVELOPMENT	AR20
MCA	THEORY OF COMPUTATIONS	18MC3T1	EMPLOYABILITY	AR18
	COMPUTER NETWORKS	18MC3T2	EMPLOYABILITY	AR18
	SOFTWARE ENGINEERIN	18MC3T3	EMPLOYABILITY	AR18
	ADVANCED JAVA & WEB TECHNOLOGIES	18MC3T4	EMPLOYABILITY	AR18
	DESIGN AND ANALYSIS OF ALGORITHMS	18MC3T5	EMPLOYABILITY	AR18
	ADVANCED JAVA & WEB TECHNOLOGIES LAB	18MC3L1	SKIL DEVELOPMENT	AR18
	SHELL SCRIPTING LAB	18MC3L2	SKIL DEVELOPMENT	AR18
	COMPUTER NETWORKS LAB	18MC3L3	SKIL DEVELOPMENT	AR18
MCA	OBJECT ORIENTED ANALYSIS AND DESIGN	18MC4T1	EMPLOYABILITY	AR18
	COMPILER DESIGN	18MC4T2	EMPLOYABILITY	AR18
	DATA WAREHOUSING AND MINING	18MC4T3	EMPLOYABILITY	AR18
	ELECTIVE-1- MOBILE COMPUTING	18MC4T4A	EMPLOYABILITY	AR18
	HUMAN COMPUTER INTERACTION	18MC4T4B	EMPLOYABILITY	AR18
	CLOUD COMPUTING	18MC4T4C	EMPLOYABILITY	AR18
	ELECTIVE-2- SOFTWARE PROJECT MANAGEMENT	18MC4T5A	EMPLOYABILITY	AR18
	ARTIFICIAL INTELLIGENCE	18MC4T5B	EMPLOYABILITY	AR18
	EMBEDDED SYSTEMS	18MC4T5C	EMPLOYABILITY	AR18
	CLOUD COMPUTING LAB	18MC4L1	SKIL DEVELOPMENT	AR18
	DATA WAREHOUSING AND MINING LAB	18MC4L2	SKIL DEVELOPMENT	AR18

	OBJECT ORIENTED ANALYSIS AND DESIGN LAB	18MC4L3	SKIL DEVELOPMENT	AR18
MCA	BIG DATA ANALYTICS	18MC5T1	EMPLOYABILITY	AR18
	CYBER SECURITY	18MC5T2	EMPLOYABILITY	AR18
	PYTHON PROGRAMMING	18MC5T3	EMPLOYABILITY	AR18
	ELECTIVE-3- SOFTWARE TESTING METHODOLOGIES	18MC5T4A	EMPLOYABILITY	AR18
	COMPUTER FORENSICS	18MC5T4B	EMPLOYABILITY	AR18
	E-COMMERCE	18MC5T4C	EMPLOYABILITY	AR18
	ELECTIVE-4- INTERNET OF THINGS	18MC5T5A	EMPLOYABILITY	AR18
	MULTIMEDIA APPLICATION DEVELOPMENT	18MC5T5B	EMPLOYABILITY	AR18
	NETWORK PROGRAMMING	18MC5T5C	EMPLOYABILITY	AR18
	BIG DATA ANALYTICS LAB	18MC5L1	SKIL DEVELOPMENT	AR18
	SOFTWARE TESTING LAB	18MC5L2	SKIL DEVELOPMENT	AR18
	PYTHON PROGRAMMING LAB	18MC5L3	SKIL DEVELOPMENT	AR18
MCA	SEMINAR ON PROJECT	18MC6S1	SKIL DEVELOPMENT	AR18
	DISSERTATION/ THESIS	18MC6P1	SKIL DEVELOPMENT	AR18

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
M.TECH

List of Employability/ Entrepreneurship/ Skill development courses offered in A.Y-2020-21

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
	Electrical Machine Modeling & Analysis	20PE1T1	Employability	AR20
	Analysis of Power Electronic Converters	20PE1T2	Employability	AR20
	Modern Control Theory	20PE1T3A	Employability	AR20
	Power Quality and Custom Power Devices	20PE1T3B	Employability	AR20
	Programmable Logic Controllers & Applications	20PE1T3C	Employability	AR20
	Artificial Intelligence Techniques	20PE1T4A	Employability	AR20
	Renewable Energy Technologies	20PE1T4B	Employability	AR20
	HVDC Transmission and Flexible AC Transmission Systems	20PE1T4C	Employability	AR20
	Research Methodology and IPR	20PE1T5	Employability	AR20
	Power Electronics Simulation Laboratory	20PE1L1	Skill development	AR20
	Power Converters Laboratory	20PE1L2	Skill development	AR20
	Switched Mode Power Conversion	20PE2T1	Employability	AR20
	Power Electronic Control of Electrical Drives	20PE2T2	Employability	AR20
	Control & Integration of Renewable Energy Systems	20PE2T3A	Employability	AR20
	Hybrid Electric Vehicles	20PE2T3B	Employability	AR20
M.TECH ECE	Digital Control Systems	20PE2T3C	Employability	AR20
	Advanced Digital Signal Processing	20PE2T4A	Employability	AR20
	Applications of Power Converters	20PE2T4B	Employability	AR20
	Microcontrollers	20PE2T4C	Employability	AR20
	Electric Drives Simulation Laboratory	20PE2L1	Employability	AR20
	Electric Drives Laboratory	20PE2L2	Skill development	AR20
	Mini Project with Seminar		Skill development	AR20
	Digital Signal Processing Controlled Drives	20PE3T1A	Employability	AR20
	Smart Grid Technologies	20PE3T1B	Employability	AR20
	Modelling & Simulation of Power Electronic Systems	20PE3T1C	Employability	AR20
	Industrial Safety	20PE3T2A	Employability	AR20
	Energy Audit, Conservation & Management	20PE3T2B	Employability	AR20
	Composite Materials	20PE3T2C	Employability	AR20
	Dissertation Phase - I		Skill development	AR20
	Dissertation Phase - II		Skill development	AR20

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MASTER OF BUSINESS ADMINISTRATION
List of Employability/ Entrepreneurship/ Skill development courses offered in
A.Y: 2022-23

S.No	Course Code	Name of the course	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulation
1.	20AJMB101	Management and Organizational Behavior	Skill development	AR-20
2.	20AJMB102	Managerial Economics	Skill development	AR-20
3.	20AJMB103	Accounting for Managers	Skill development	AR-20
4.	20AJMB104	Quantitative Analysis for Business Decisions	Skill development	AR-20
5.	20AJMB105	Legal and Business Environment	Employability	AR-20
6.	20AJMB106	BusinessCommunication andSoft skills	Skill development	AR-20
7.	20AJMB107	Cross Cultural ManagementRural Innovation projects	Skill development	AR-20
8.	20AJMB108	Business Communication and Soft skills Lab	Skill development	AR-20
9.	20AJMB109	Information Technology – Lab1(Spreadsheetand Tally)	Skill development	AR-20
10.	20AJMB201	Financial Management	Skill development	AR-20
11.	20AJMB202	Human Resource Management	Skills / Entrepreneurship	AR-20
12.	20AJMB203	Marketing Management	Skills / Employability	AR-20
13.	20AJMB204	Operations Management	Skill development	AR-20
14.	20AJMB205	Business Research Methods	Skill development	AR-20
15.	20AJMB206	Project Management Technology Management Lean Management Database Management System	Skill development	AR-20
16.	20AJMB207	IT-lab 2(Programming R)	Skill development	AR-20
17.	20AJMB301	Strategic Management	Employability	AR-20
18.	20AJMB302	Operations Research	Skill development	AR-20
19.	20AJMB3E1	Leadership and Change Management	Skill development	AR-20

20.	20AJMB3E2	Performance Evaluation and Compensation Management	Employability	AR-20
21.	20AJMB3E3	Human Capital Management	Employability	AR-20
22.	20AJMB3E4	Manpower Planning, Recruitment, and Selection	Employability	AR-20
23.	20AJMB3E1	Investment Analysis and Portfolio Management	Skill development	AR-20
24.	20AJMB3E2	Managing Banks and Financial Institutions	Entrepreneurship	AR-20
25.	20AJMB3E3	Financial Markets and Services	Entrepreneurship	AR-20
26.	20AJMB3E4	Taxation	Entrepreneurship	AR-20
27.	20AJMB3E1	Consumer Behavior	Skills / Entrepreneurship	AR-20
28.	20AJMB3E2	Retail Management	Skills / Entrepreneurship	AR-20
29.	20AJMB3E3	Customer Relationship Management	Skills / Entrepreneurship	AR-20
30.	20AJMB3E4	Strategic Marketing Management	Skills / Entrepreneurship	AR-20
31.	20AJMB303	Industrial Project based on Summer Internship	Skill development	AR-20
32.	20AJMB401	Supply Chain Management and Analytics	Skill development	AR-20
33.	20AJMB402	Innovation and Entrepreneurship	Entrepreneurship	AR-20
34.	20AJMB4E1	Labor Welfare and employment laws	Employability	AR-20
35.	20AJMB4E2	International HRM	Employability	AR-20
36.	20AJMB4E3	Employee Relations and Engagement	Employability	AR-20
37.	20AJMB4E4	Human Resources Development	Employability	AR-20
38.	20AJMB4E1	Financial Derivatives	Entrepreneurship	AR-20
39.	20AJMB4E2	Global Financial Management	Skill development	AR-20
40.	20AJMB4E3	Financial Risk Management	Skill development	AR-20
41.	20AJMB4E4	Strategic Financial Management	Skill development	AR-20
42.	20AJMB4E1	Services Marketing	Skills / Entrepreneurship	AR-20
43.	20AJMB4E2	Promotional and Distribution Management	Skills / Entrepreneurship	AR-20
44.	20AJMB4E3	Green Marketing	Skills / Entrepreneurship	AR-20
45.	20AJMB4E4	Advertising and Brand Management	Skills / Entrepreneurship	AR-20

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List of Employability/ Entrepreneurship/ Skill development courses offered in
A.Y: 2021-22

S.No	Course Code	Name of the course	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulation
1	20AJMB101	Management and Organizational Behavior	Skill development	AR-20
2	20AJMB102	Managerial Economics	Skill development	AR-20
3	20AJMB103	Accounting for Managers	Skill development	AR-20
4	20AJMB104	Quantitative Analysis for Business Decisions	Skill development	AR-20
5	20AJMB105	Legal and Business Environment	Employability	AR-20
6	20AJMB106	Business Communication andSoft skills	Skill development	AR-20
7	20AJMB107	Cross Cultural ManagementRural Innovation projects	Skill development	AR-20
8	20AJMB108	Business Communication and Soft skills Lab	Skill development	AR-20
9	20AJMB109	Information Technology – Lab1(Spreadsheetand Tally)	Skill development	AR-20
10	20AJMB201	Financial Management	Skill development	AR-20
11	20AJMB202	Human Resource Management	Skills / Entrepreneurship	AR-20
12	20AJMB203	Marketing Management	Skills / Employability	AR-20
13	20AJMB204	Operations Management	Skill development	AR-20
14	20AJMB205	Business Research Methods	Skill development	AR-20
15	20AJMB206 Open Elective	Project Management Technology Management Lean Management Database Management System	Skill development	AR-20
16	20AJMB207	IT-lab 2(Programming R)	Skill development	AR-20
17	18AJMB2101	Strategic Management	Employability	AR-18
18	18AJMB2102	Legal Aspects of Business	Skill development	AR-18
19	18AJMB2103	Business Ethics & Corporate Governance	Skill development	AR-18

20	18AJMB21E1	Leadership Management	Skill development	AR-18
21	18AJMB21E2	Compensation and Reward Management	Employability	AR-18
22	18AJMB21E3	Performance Management	Employability	AR-18
23	18AJMB21E4	Strategic Human Resource Management	Skills / Employability	AR-18
24	18AJMB21E1	Security Analysis & Portfolio Management	Skill development	AR-18
25	18AJMB21E2	Banking and Insurance Management	Skill development	AR-18
26	18AJMB21E3	Advance Management Accounting	Skill development	AR-18
27	18AJMB21E4	Strategic Financial Management	Skill development	AR-18
28	18AJMB21E1	Consumer Behavior	Skills / Entrepreneurship	AR-18
29	18AJMB21E2	Retail Management	Skills / Entrepreneurship	AR-18
30	18AJMB21E3	Customer Relationship Management	Skills / Entrepreneurship	AR-18
31	18AJMB21E4	Strategic Human Resource Management	Skills / Entrepreneurship	AR-18
32	18AJMB2201	Logistic and Supply Chain Management	Skill development	AR-18
33	18AJMB2202	Entrepreneurship Development	Entrepreneurship	AR-18
34	18AJMB22E1	Organizational Development & Change	Skill development	AR-18
35	18AJMB22E2	Management	Skill development	AR-18
36	18AJMB22E3	Global HRM	Skill development	AR-18
37	18AJMB22E4	Labor Welfare & Legislation	Skill development	AR-18
38	18AJMB22E1	Financial Markets and Services	Employability	AR-18
39	18AJMB22E2	Global Financial Management	Employability	AR-18
40	18AJMB22E3	Risk Management	Employability	AR-18
41	18AJMB22E4	Tax Management	Employability	AR-18
42	18AJMB22E1	Services Marketing	Skills / Entrepreneurship	AR-18
43	18AJMB22E2	Promotional Distribution Management	Skills / Entrepreneurship	AR-18
44	18AJMB22E3	Global Marketing Management	Skills / Entrepreneurship	AR-18
45	18AJMB22E4	Supply Chain Management	Skills / Entrepreneurship	AR-18

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2	20AJMB102	Managerial Economics	Skill development	AR-20
3	20AJMB103	Accounting for Managers	Skill development	AR-20
4	20AJMB104	Quantitative Analysis for Business Decisions	Skill development	AR-20
5	20AJMB105	Legal and Business Environment	Employability	AR-20
6	20AJMB106	Business Communication andSoft skills	Skill development	AR-20
7	20AJMB107	Cross Cultural ManagementRural Innovation projects	Skill development	AR-20
8	20AJMB108	Business Communication and Soft skills Lab	Skill development	AR-20
9	20AJMB109	Information Technology – Lab1(Spreadsheetand Tally)	Skill development	AR-20
10	20AJMB201	Financial Management	Skill development	AR-20
11	20AJMB202	Human Resource Management	Skills / Entrepreneurship	AR-20
12	20AJMB203	Marketing Management	Skills / Employability	AR-20
13	20AJMB204	Operations Management	Skill development	AR-20
14	20AJMB205	Business Research Methods	Skill development	AR-20
15	20AJMB206	Project Management Technology Management Lean Management Database Management System	Skill development	AR-20
16	20AJMB207	IT-lab 2(Programming R)	Skill development	AR-20
17	18AJMB2101	Strategic Management	Employability	AR-18
18	18AJMB2102	Legal Aspects of Business	Skill development	AR-18
19	18AJMB2103	Business Ethics & Corporate Governance	Skill development	AR-18

20	18AJMB21E1	Leadership Management	Skill development	AR-18
21	18AJMB21E2	Compensation and Reward Management	Employability	AR-18
22	18AJMB21E3	Performance Management	Employability	AR-18
23	18AJMB21E4	Strategic Human Resource Management	Skills / Employability	AR-18
24	18AJMB21E1	Security Analysis & Portfolio Management	Skill development	AR-18
25	18AJMB21E2	Banking and Insurance Management	Skill development	AR-18
26	18AJMB21E3	Advance Management Accounting	Skill development	AR-18
27	18AJMB21E4	Strategic Financial Management	Skill development	AR-18
28	18AJMB21E1	Consumer Behavior	Skills / Entrepreneurship	AR-18
29	18AJMB21E2	Retail Management	Skills / Entrepreneurship	AR-18
30	18AJMB21E3	Customer Relationship Management	Skills / Entrepreneurship	AR-18
31	18AJMB21E4	Strategic Human Resource Management	Skills / Entrepreneurship	AR-18
32	18AJMB2201	Logistic and Supply Chain Management	Skill development	AR-18
33	18AJMB2202	Entrepreneurship Development	Entrepreneurship	AR-18
34	18AJMB22E1	Organizational Development & Change	Skill development	AR-18
35	18AJMB22E2	Management	Skill development	AR-18
36	18AJMB22E3	Global HRM	Skill development	AR-18
37	18AJMB22E4	Labor Welfare & Legislation	Skill development	AR-18
38	18AJMB22E1	Financial Markets and Services	Employability	AR-18
39	18AJMB22E2	Global Financial Management	Employability	AR-18
40	18AJMB22E3	Risk Management	Employability	AR-18
41	18AJMB22E4	Tax Management	Employability	AR-18
42	18AJMB22E1	Services Marketing	Skills / Entrepreneurship	AR-18
43	18AJMB22E2	Promotional Distribution Management	Skills / Entrepreneurship	AR-18
44	18AJMB22E3	Global Marketing Management	Skills / Entrepreneurship	AR-18
45	18AJMB22E4	Supply Chain Management	Skills / Entrepreneurship	AR-18

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A.Y: 2019-20

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1.	18AJMB1101	Principles of Management	Skill development	AR-18
2.	18AJMB1102	Managerial Economics	Skill development	AR-18
3.	18AJMB1103	Accounting for Managers	Skill development	AR-18
4.	18AJMB1104	Managerial Communication & Soft skills	Skill development	AR-18
5.	18AJMB1105	Business Environment	Skill development	AR-18
6.	18AJMB1106	Quantitative Analysis for Business Decision	Skill development	AR-18
7.	18AJMB1107	IT – LAB	Skill development	AR-18
8.	18AJMB1201	Financial Management	Skill development	AR-18
9.	18AJMB1202	Human Resource Management	Skills / Employability	AR-18
10.	18AJMB1203	Marketing Management	Skills / Employability	AR-18
11.	18AJMB1204	Production and Operations Management	Skill development	AR-18
12.	18AJMB1205	Business Research Methods	Skill development	AR-18
13.	18AJMB1206	Organizational Behavior	Skill development	AR-18
14.	18AJMB1207	Mini Project *	Skill development	AR-18
15.		Seminar on Mini Project	Skill development	AR-18
16.	18AJMB2101	Strategic Management	Employability	AR-18
17.	18AJMB2102	Legal Aspects of Business	Skill development	AR-18
18.	18AJMB2103	Business Ethics & Corporate Governance	Skill development	AR-18
19.	18AJMB21E1	Leadership Management	Skill development	AR-18
20.	18AJMB21E2	Compensation and Reward Management	Employability	AR-18
21.	18AJMB21E3	Performance Management	Employability	AR-18
22.	18AJMB21E4	Strategic Human Resource Management	Skills / Employability	AR-18
23.	18AJMB21E1	Security Analysis &	Skill development	AR-18

		Portfolio Management		
24.	18AJMB21E2	Banking and Insurance Management	Skill development	AR-18
25.	18AJMB21E3	Advance Management Accounting	Skill development	AR-18
26.	18AJMB21E4	Strategic Financial Management	Skill development	AR-18
27.	18AJMB21E1	Consumer Behavior	Skills / Entrepreneurship	AR-18
28.	18AJMB21E2	Retail Management	Skills / Entrepreneurship	AR-18
29.	18AJMB21E3	Customer Relationship Management	Skills / Entrepreneurship	AR-18
30.	18AJMB21E4	Strategic Human Resource Management	Skills / Entrepreneurship	AR-18
31.	18AJMB2201	Logistic and Supply Chain Management	Skill development	AR-18
32.	18AJMB2202	Entrepreneurship Development	Entrepreneurship	AR-18
33.	18AJMB22E1	Organizational Development & Change	Skill development	AR-18
34.	18AJMB22E2	Management	Skill development	AR-18
35.	18AJMB22E3	Global HRM	Skill development	AR-18
36.	18AJMB22E4	Labor Welfare & Legislation	Skill development	AR-18
37.	18AJMB22E1	Financial Markets and Services	Employability	AR-18
38.	18AJMB22E2	Global Financial Management	Employability	AR-18
39.	18AJMB22E3	Risk Management	Employability	AR-18
40.	18AJMB22E4	Tax Management	Employability	AR-18
41.	18AJMB22E1	Services Marketing	Skills / Entrepreneurship	AR-18
42.	18AJMB22E2	Promotional Distribution Management	Skills / Entrepreneurship	AR-18
43.	18AJMB22E3	Global Marketing Management	Skills / Entrepreneurship	AR-18
44.	18AJMB22E4	Supply Chain Management	Skills / Entrepreneurship	AR-18

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1.	18AJMB1101	Principles of Management	Skill development	AR-18
2.	18AJMB1102	Managerial Economics	Skill development	AR-18
3.	18AJMB1103	Accounting for Managers	Skill development	AR-18
4.	18AJMB1104	Managerial Communication & Soft skills	Skill development	AR-18
5.	18AJMB1105	Business Environment	Skill development	AR-18
6.	18AJMB1106	Quantitative Analysis for Business Decision	Skill development	AR-18
7.	18AJMB1107	IT – LAB	Skill development	AR-18
8.	18AJMB1201	Financial Management	Skill development	AR-18
9.	18AJMB1202	Human Resource Management	Skills / Employability	AR-18
10.	18AJMB1203	Marketing Management	Skills / Employability	AR-18
11.	18AJMB1204	Production and Operations Management	Skill development	AR-18
12.	18AJMB1205	Business Research Methods	Skill development	AR-18
13.	18AJMB1206	Organizational Behavior	Skill development	AR-18
14.	18AJMB1207	Mini Project *	Skill development	AR-18
15.		Seminar on Mini Project	Skill development	AR-18
16.	18AJMB2101	Strategic Management	Employability	AR-18
17.	18AJMB2102	Legal Aspects of Business	Skill development	AR-18
18.	18AJMB2103	Business Ethics & Corporate Governance	Skill development	AR-18
19.	18AJMB21E1	Leadership Management	Skill development	AR-18
20.	18AJMB21E2	Compensation and Reward Management	Employability	AR-18
21.	18AJMB21E3	Performance Management	Employability	AR-18
22.	18AJMB21E4	Strategic Human Resource Management	Skills / Employability	AR-18

23.	18AJMB21E1	Security Analysis & Portfolio Management	Skill development	AR-18
24.	18AJMB21E2	Banking and Insurance Management	Skill development	AR-18
25.	18AJMB21E3	Advance Management Accounting	Skill development	AR-18
26.	18AJMB21E4	Strategic Financial Management	Skill development	AR-18
27.	18AJMB21E1	Consumer Behavior	Skills / Entrepreneurship	AR-18
28.	18AJMB21E2	Retail Management	Skills / Entrepreneurship	AR-18
29.	18AJMB21E3	Customer Relationship Management	Skills / Entrepreneurship	AR-18
30.	18AJMB21E4	Strategic Human Resource Management	Skills / Entrepreneurship	AR-18
31.	18AJMB2201	Logistic and Supply Chain Management	Skill development	AR-18
32.	18AJMB2202	Entrepreneurship Development	Entrepreneurship	AR-18
33.	18AJMB22E1	Organizational Development & Change	Skill development	AR-18
34.	18AJMB22E2	Management	Skill development	AR-18
35.	18AJMB22E3	Global HRM	Skill development	AR-18
36.	18AJMB22E4	Labor Welfare & Legislation	Skill development	AR-18
37.	18AJMB22E1	Financial Markets and Services	Employability	AR-18
38.	18AJMB22E2	Global Financial Management	Employability	AR-18
39.	18AJMB22E3	Risk Management	Employability	AR-18
40.	18AJMB22E4	Tax Management	Employability	AR-18
41.	18AJMB22E1	Services Marketing	Skills / Entrepreneurship	AR-18
42.	18AJMB22E2	Promotional Distribution Management	Skills / Entrepreneurship	AR-18
43.	18AJMB22E3	Global Marketing Management	Skills / Entrepreneurship	AR-18
44.	18AJMB22E4	Supply Chain Management	Skills / Entrepreneurship	AR-18

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HEALTH CARE AND HOSPITAL MANAGEMENT
List of Employability/ Entrepreneurship/ Skill development courses offered in A.Y: 2022-23

S.No	Course Code	Name of the course	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulation
1.	22MH1T1	Basic biological sciences	Skill development	AR-22
2.	22MH1T2	Organizational Behaviour	Skill development	AR-22
3.	22MH1T3	Human resource management	Skill development	AR-22
4.	22MH1T4	Purchasing management and inventory control	Skill development	AR-22
5.	22MH1T5	Hospital and patient relation management	Entrepreneurship	AR-22
6.	22MH1T6	Medical insurance	Employability	AR-22
7.	22MH1T8	Communications skills and business correspondence	Skill development	AR-22
8.	22MH2T1	Marketing Management	Skill / Entrepreneurship	AR-22
9.	22MH2T2	Strategic Management for Hospitals	Employability	AR-22
10.	22MH2T3	Biostatistics And Operation research	Skill development	AR-22
11.	22MH2T4	Hospital Architecture Planning design & maintenance	Employability	AR-22
12.	22MH2T5	Clinical services	Employability	AR-22
13.	22MH2T6	Hospital support services	Employability	AR-22
14.	22MH2T7	Epidemiology public health systems	Employability	AR-22
15.	22MH2T8	Research methodology	Employability	AR-22
16.	22MH2T9	Practical-Hospital Internship 30 days of field visit report	Skill development	AR-22
17.	22MH3TI	Hospital information systems	Employability	AR-22
18.	22MH3T2	Health care Low and Ethics	Skill development	AR-22
19.	22MH3T3	Networking	Skill development	AR-22
20.	22MH3T4	Quality Management & Hospital Accreditation systems	Skill development	AR-22

21.	22MH3T5	Management of super speciality system	Employability	AR-22
22.	22MH3T6	Housekeeping management and dictary system	Employability	AR-22
23.	22MH3T7	Medical Records management	Employability	AR-22
24.	22MH3T8	Hospital front office managememt	Employability	AR-22
25.	22MH3T9	Summer project work	Skill development	AR-22
26.	22MH3T10	Seminar(Emerging trend in management-case study analysis and seminar)	Skill development	AR-22
27.	22MH4T1	Project work	Skill development	AR-22

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