1.1.2 List of Employability/ Entrepreneurship/ Skill development courses offered

Academic Year	Employability Courses	Skill development course	Entrepreneurship	Total Courses
2022-23	194	361	11	566
2021-22	260	307	11	583
2020-21	231	304	21	556
2019-20	196	239	23	458
2018-19	150	252	18	420

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-Civil	Engineering Economics, Estimation & Costing	1801701	Skill development	R18UG
	Design of Reinforced Concrete Structures – 2	1801702	Employability	R18UG
	Design of Steel Structures	1801703	Employability	R18UG
	Water Resources Engineering – 2	1801704	Skill development	R18UG
	Sanitary Engineering & Solid Waste Management	1801705	Skill development	R18UG
	Advanced Structural Analysis by Matrix Methods	1801706	Skill development	R18UG
	0	1801707	Employability	R18UG
	Soil Dynamics & Machine Foundation	1801708	Skill development	R18UG
	Intelligent Transportation Systems	1801709	Skill development	R18UG
	Construction Project Planning & Systems	1801710	Employability	R18UG
	Environmental Impact Assessment	1801711	Skill development	R18UG
	Integrated Watershed Management	1801712	Skill development	R18UG
	Water Supply Engineering	18OE105	Skill development	R18UG
	Construction Practice and Management	18OE106	Skill development	R18UG
	Project – 1	1801715	Activitie	R18UG
	Organisational Behaviour	1899801	Skill development	R18UG
	Repairs & Rehabilitation of Structures	1801802	Employability	R18UG
	Bridge Engineering	1801803	Employability	R18UG

Finite Element Methods	1801804	Skill development	R18UG
Environmental Geo-Technology	1801805	Skill development	R18UG
Urban Transportation Planning	1801806	Skill development	R18UG
Design and Drawing of Irrigation Structures	1801807	Skill development	R18UG
Disaster Preparedness	18OE107	Skill development	R18UG
Rehabilitation of Structures	18OE108	Skill development	R18UG
Project – 2	1801809	Activitie	R18UG
Linear Algebra and Calculus	2021101	Skill development	R20UG
Engineering Physics	20EP102	Skill development	R20UG
Communicative English	2024103	Skill development	R20UG
Basic Electrical & Electronics Engineering	2014104	Skill development	R20UG
Engineering Drawing	2003105	Skill development	R20UG
Engineering Drawing Lab	2003106	Skill development	R20UG
Engineering Physics Lab	20EP107	Skill development	R20UG
Communicative English Lab	2024108	Skill development	R20UG
Basic Electrical & Electronics Engineering Lab	2014109	Skill development	R20UG
Differential Equations and Vector Calculus	2021201	Skill development	R20UG
Engineering Chemistry	20EC202	Skill development	R20UG
C-Programming & Data Structures	2005203	Skill development	R20UG
Strength of Materials	2001204	Skill development	R20UG
Engineering Workshop	20EW205	Skill development	R20UG
IT Workshop	2005206	Skill development	R20UG
Engineering Chemistry Lab	20EC207	Skill development	R20UG
C-Programming & Data Structures Lab	2005208	Skill development	R20UG

Strength of Materials Lab	2001209	Skill development	R20UG
Environmental Science	20MC210	Skill development	R20UG
Probability, Statistics & Numerical Methods	2021302	Skill development	R20UG
Geology and Building materials	2001302	Skill development	R20UG
Advanced Strength of materials	2001303	Skill development	R20UG
Fluid Mechanics	2001304	Skill development	R20UG
Geomatics	2001305	Skill development	R20UG
Fluid Mechanics Laboratory	2001306	Skill development	R20UG
Geomatics Lab	2001307	Employability	R20UG
Civil Engineering Workshop (Skill oriented)	20013S1	Employability	R20UG
Universal Human values and Ethics	20993M1	Skill development	R20UG
Business Economics and Accounting for Engineers	2025401	Skill development	R20UG
Hydraulics & Hydraulic Machinery	2001402	Skill development	R20UG
Soil Mechanics	2001403	Skill development	R20UG
Structural Analysis	2001404	Skill development	R20UG
Transportation Engineering	2001405	Skill development	R20UG
Building Planning and Drawing (AutoCAD)	2001406	Entrepreneurship	R20UG
Soil Mechanics Laboratory	2001407	Employability	R20UG
Transportation Engineering Laboratory	2001408	Employability	R20UG
Advanced Civil Engineering Workshop (Skill oriented-2)	20014S2	Employability	R20UG
Hydrology & Irrigation	2001501	Skill development	R20UG
Foundation Engineering	2001502	Skill development	R20UG
Concrete Technology	2001503	Skill development	R20UG

Optimization Techniques in Civil Engineering	2001504	Skill development	R20UG
Advanced Structural Analysis	2001505	Skill development	R20UG
Remote Sensing & GIS	2001506	Skill development	R20UG
Disaster Management	20OE101	Skill development	R20UG
Basics of Civil Engineering	20OE102	Skill development	R20UG
Building Materials	20OE103	Skill development	R20UG
Management Organizational behaviour	2099510	Skill development	R20UG
Concrete Technology Lab	2001507	Employability	R20UG
Structural Analysis and Design Lab (Staad Pro)	2001508	Entrepreneurship	R20UG
SketchUp-3D modelling	20015S3	Entrepreneurship	R20UG
Community Service Project	2001509	Activites	R20UG
Environmental Engineering	2001601	Skill development	R20UG
Water Resources Engineering	2001602	Skill development	R20UG
Design of Reinforced Concrete Structures	2001603	Employability	R20UG
Pre-stressed Concrete	2001604	Employability	R20UG
Bridge Engineering	2001605	Employability	R20UG
Traffic Engineering	2001606	Employability	R20UG
Human Resource Development	2006601	Skill development	R20UG
Digital Marketing	2006602	Skill development	R20UG
Project Management	2006603	Skill development	R20UG
Constitution of India	20993M3	Skill development	R20UG
Environmental Engineering Lab	2001607	Employability	R20UG
Computer Aided Design and Drafting Lab	2001608	Entrepreneurship	R20UG
Advanced Concrete Technology Lab	2001609	Employability	R20UG

	Advanced English communication skills lab	20016S4	Skill development	R20UG
M.Tech(GTE)	Advanced Soil Mechanics	2212101	Employability	R22PG
	Advanced Foundation Engineering	2212102	Employability	R22PG
	Soil Structure Interaction	2212103	Skill development	R22PG
	Ground Improvement Techniques	2212104	Skill development	R22PG
	Geoenvironmental Engineering	2212105	Skill development	R22PG
	Critical Soil Mechanics	2212106	Skill development	R22PG
	FEM in Geotechnical Engineering	2212107	Employability	R22PG
	Pavement Analysis and Design	2212108	Employability	R22PG
	Soil Mechanics – 1 Lab	2212109	Skill development	R22PG
	Soil Mechanics – 2 Lab	2212110	Skill development	R22PG
	Research Methodology & IPR	2212111	Skill development	R22PG
	Experimental Geomechanics	2212201	Skill development	R22PG
	Earth Retaining Structures	2212202	Employability	R22PG
	Dynamics of Soil and Foundations	2212203	Skill development	R22PG
	Foundations on Expansive Soils	2212204	Employability	R22PG
	Offshore Geotechnical Engineering	2212205	Skill development	R22PG
	Design of Under Ground Excavations	2212206	Employability	R22PG
	Design with Geosynthetics	2212207	Skill development	R22PG
	Geotechnical Earthquake Engineering	2212208	Employability	R22PG
	Subsoil Exploration Lab	2212209	Employability	R22PG
	Geotechnical Engineering Modeling Lab	2212210	Skill development	R22PG
	Technical Seminar	2212211	Skill development	R22PG
	English for Research Paper Writing	2270A01	Skill development	R22PG
	Disaster Management	2270A02	Skill development	R22PG
	Sanskrit for Technical Knowledge	2270A03	Skill development	R22PG
	Value Education	2270A04	Skill development	R22PG

	Constitution of India	2270A05	Skill development	R22PG
	Pedagogy Studies	2270A06	Skill development	R22PG
	Stress Management by Yoga	2270A07	Skill development	R22PG
	Personality Development through Life Enlightenment Skills	2270A08	Skill development	R22PG
	Stability Analysis of Slopes	1851301	Employability	R18PG
	Foundation on Weak Rocks	1851302	Skill development	R18PG
	Geo-Technical Earthquake Engineering	1851303	Skill development	R18PG
	Dissertation Stage – 1	1851310	Skill development	R18PG
	Business Analytics	1871304	Skill development	R18PG
	Industrial Safety	1871305	Skill development	R18PG
	Operations Research	1871306	Skill development	R18PG
	Cost Management of Engineering Projects	1871307	Skill development	R18PG
	Composite Materials	1871308	Skill development	R18PG
	Waste to Energy	1871309	Skill development	R18PG
	Dissertation Final Stage	1851401	Skill development	R18PG
	Linear Algebra and Calculus	2021101	Skill development	R20UG
	Applied Physics	20AP102	Skill development	R20UG
	Communicative English	2024103	Skill development	R20UG
	C-Programming & Data Structures	2005103	Employability	R20UG
	Engineering Drawing	2003105	Skill development	R20UG
B.Tech-EEE	Engineering Drawing Lab	2003106	Skill development	R20UG
	Applied Physics Lab	20AP107	Skill development	R20UG
	Communicative English Lab	2024108	Skill development	R20UG
	C-Programming & Data Structures Lab	2005108	Skill development	R20UG
	Differential Equations & Vector Calculus	2021201	Skill development	R20UG

Chemistry	2023202	Skill development	R20UG
Electrical Circuits Analysis-I	2002203	Skill development	R20UG
Electronic Devices & Circuits	2004204	Skill development	R20UG
Engineering Workshop	20EW205	Skill development	R20UG
IT Workshop	2005206	Skill development	R20UG
Chemistry Lab	2023207	Skill development	R20UG
Electrical Circuits Analysis-I Lab	2002208	Skill development	R20UG
Electronic Devices & Circuits Lab	2004209	Skill development	R20UG
Environmental Science	20MC210	Skill development	R20UG
Switching Theory & Logic Design	2002301	Skill development	R20UG
Electromagnetic Field Theory	2002302	Skill development	R20UG
Electrical Circuit Analysis - II	2002303	Skill development	R20UG
Electrical Measurements & Measuring Instruments	2002304	Skill development	R20UG
DC Machines & Transformers	2002305	Skill development	R20UG
Electrical Circuit Analysis - II Lab	2002306	Skill development	R20UG
Electrical Measurements & Measuring Instruments Lab	2002307	Skill development	R20UG
DC Machines & Transformers Lab	2002308	Skill development	R20UG
Skill Oriented Course	2002309	Skill development	R20UG
Universal Human Values	20MC310	Skill development	R20UG
Special Functions and Complex Analysis	2021401	Skill development	R20UG
Fundamentals of Management for Engineer	2025402	Skill development	R20UG
Induction Motors & Synchronous Machines	2002403	Skill development	R20UG
Linear Control Systems	2002404	Skill development	R20UG
Power Systems - I	2002405	Skill development	R20UG

Induction Motors & Synchronous Machines Lab	2002406	Skill development	R20UG
Control Systems Lab	2002407	Skill development	R20UG
Python Programming Lab	2005408	Skill development	R20UG
Skill Oriented Course	2002409	Skill development	R20UG
Linear Digital IC Applications	2002501	Skill development	R20UG
Power System - II	2002502	Skill development	R20UG
Power Electronics	2002503	Skill development	R20UG
Modern Control Theory	20OE201	Skill development	R20UG
Programming Fundamentals for Numerical Computations	20OE202	Skill development	R20UG
Internet of Things	2002504	Skill development	R20UG
Modern Control Theory	2002505	Skill development	R20UG
Energy Conversion Systems	2002506	Skill development	R20UG
Power Systems - I Lab	2002507	Skill development	R20UG
Internet of Things Lab	2002508	Skill development	R20UG
Soft Skill Oriented Course	2025509	Skill development	R20UG
Community Service Project	2002510	Skill development	R20UG
Constitution of India	20MC512	Skill development	R20UG
Microprocessor & Microcontrollers	2002601	Skill development	R20UG
Fundamentals of Electric Drives	2002602	Skill development	R20UG
Switchgear & Protection	2002603	Skill development	R20UG
Energy Conversion Systems	20OE203	Skill development	R20UG
Smart Grid	20OE204	Skill development	R20UG
Power System Operation & Control	2002604	Skill development	R20UG
HVDC Transmission	2002605	Skill development	R20UG
Signals & Systems	2002606	Skill development	R20UG
Power Electronics Lab	2002607	Skill development	R20UG

Power System- II Lab	2002608	Skill development	R20UG
Advanced Programming Lab	2004609	Skill development	R20UG
Skill Advanced Course	2002610	Skill development	R20UG
Management Organizational Behavior	20MC612	Skill development	R20UG
Project Management	1825701	Employability	R18UG
Utilization of Electrical Power	1802702	Skill development	R18UG
Flexible AC Transmission System	1802703	Skill development	R18UG
Power Quality	1802704	Skill development	R18UG
Digital Control Systems	1802705	Skill development	R18UG
Digital Signal Processing	1802706	Skill development	R18UG
Smart Grid	1802707	Skill development	R18UG
Energy Conversion Systems	18OE203	Skill development	R18UG
Internet of Things	18OE204	Employability	R18UG
Intelligent Control Techniques	18OE205	Skill development	R18UG
Electrical System Estimation & Costing	18OE206	Entrepreneurship	R18UG
LabView Programming	1802708	Entrepreneurship	R18UG
Power Systems -II Lab	1802709	Skill development	R18UG
Effective Technical Communication Skills Lab	1824710	Skill development	R18UG
Project Stage - I	1802711	Skill development	R18UG
Universal Human Values	18997M3	Skill development	R18UG
Electrical Distribution Systems	1802801	Skill development	R18UG
Power System Reliability	1802802	Skill development	R18UG
Industrial Automation & Control	1802803	Skill development	R18UG
SCADA & its Application	1802804	Skill development	R18UG
Distributed Generation & Micro Grid	1802805	Skill development	R18UG
Basics of Power Electronics	18OE207	Skill development	R18UG
System Reliability Concepts	18OE208	Skill development	R18UG

	Technical Seminar	1802806	Skill development	R18UG
	Project Stage - II	1802807	Skill development	R18UG
B.Tech-ME	Linear Algebra and Calculus	2021101	Skill Development	R20UG
	Chemistry	2023102	Skill Development	R20UG
	C-Programming & Data Structures	2005103	Employability	R20UG
	Basic Electrical & Electronics Engineering	2014104	Employability	R20UG
	Engineering Workshop	20EW105	Employability	R20UG
	IT Workshop	2005106	Employability	R20UG
	Chemistry Lab	2023107	Skill Development	R20UG
	C-Programming & Data Structures Lab	2005108	Skill development	R20UG
	Basic Electrical & Electronics Engineering Lab	2014109	Employability	R20UG
	Differential Equations and Vector calculus	2021201	Skill Development	R20UG
	Applied Physics	20AP202	Skill Development	R20UG
	Communicative English	2024203	Skill Development	R20UG
	Material Science	2005204	Employability	R20UG
	Engineering Drawing	2003205	Skill Development	R20UG
	Engineering Drawing Lab	2003206	Skill Development	R20UG
	Applied Physics Lab	20AP207	Skill Development	R20UG
	Communicative English Lab	2024208	Skill Development	R20UG
	Material Science Lab	2005209	Employability	R20UG
	Universal Human Values	20MC211	Skill Development	R20UG
	Fundamentals of Statistics and Dynamics.	2003301	Skill Development	R20UG
	Fluid Mechanics &Hydraulic Machinery	2003302	Skill Development	R20UG
	Manufacturing processes	2003303	Employability	R20UG

Engineering Thermodynamics	2003304	Employability	R20UG
Mechanics of Materials	2003305	Employability	R20UG
Fluid Mechanics &Hydraulic Machinery Lab	2003306	Skill Development	R20UG
Manufacturing Technology Lab	2003307	Employability	R20UG
Mechanics of Materials Lab	2003308	Employability	R20UG
Skill Oriented Course – ICATIA	2003309	Employability	R20UG
Environmental Science	20993M1	Employability	R20UG
Business Economics and Accounting for Engineering	2025401	Employability	R20UG
Numerical Methods And Probability	2021401	Skill Development	R20UG
Applied Thermodynamics	2003402	Employability	R20UG
Kinematics Of Machinery	2003403	Employability	R20UG
Machine Tools	2003404	Employability	R20UG
Applied Thermodynamics Lab	2003406	Skill Development	R20UG
Machine Tools Lab	2003407	Skill Development	R20UG
Computer Aided Machine Drawing	2003408	Skill Development	R20UG
CNC Programming and Simulation	2003409	Skill Development	R20UG
Universal Human Values	20MC410	Skill Development	R20UG
Heat Transfer	2003501	Employability	R20UG
Design of Machine Members	2003502	Employability	R20UG
Metrology and Measurements	2003503	Employability	R20UG
Alternative Fuels and Emission Control in Auto motives	2003504	Employability	R20UG
Automation & Robotics	2003505	Skill Development	R20UG
Tool Design	2003506	Skill Development	R20UG
Power Plant Engineering	2003507	Employability	R20UG
Non Destructive Testing (NDT)	2003508	Skill Development	R20UG

Introduction to Hybrid and Electric Vehicles	20OE301	Employability	R20UG
Rapid Prototyping	20OE302	Employability	R20UG
Design for Manufacturing and Assembly	20OE303	Employability	R20UG
Energy systems engineering	20OE304	Employability	R20UG
Smart Materials	20OE305	Employability	R20UG
Metrology and Measurements Laboratory	2003514	Skill Development	R20UG
Heat Transfer Laboratory	2003515	Skill Development	R20UG
Data Science For Beginers	2003516	Employability	R20UG
CONSTITUTION OF INDIA	20MC509	Employability	R20UG
Socially Relevant Project	2003517	Skill Development	R20UG
ANSYS (Skill oriented course– III)	2003516	Skill Development	R20UG
Operations Research	2003601	Employability	R20UG
Finite Element Methods (FEM)	2003602	Employability	R20UG
Introduction to CADCAM	2003603	Employability	R20UG
Dynamics of machinery	2003604	Employability	R20UG
Solar and Wind Energy Systems	2003605	Employability	R20UG
Computational Fluid Dynamics (CFD)	2003606	Skill Development	R20UG
Six Sigma and Lean manufacturing	2003607	Skill Development	R20UG
Energy Auditing	2003608	Skill Development	R20UG
Automotive Electronics, Sensors & Drives	20OE306	Skill Development	R20UG
Robotics and Applications in Manufacturing	20OE307	Skill Development	R20UG
Sensors in Intelligent Manufacturing	20OE308	Skill Development	R20UG
Non-Conventional sources of energy	20OE309	Skill Development	R20UG
Supply Chain Management	20OE310	Skill Development	R20UG

Computer Aided Machining Laboratory	2003609	Skill Development	R20UG
Computer Aided Drafting Laboratory	2003610	Skill Development	R20UG
SOLID WORKS	2003611	Skill Development	R20UG
Soft skills lab (Skill Oriented Course)	20246S4	Skill Development	R20UG
Management Organization Behavior	20MC612	Employability	R20UG
CAD/CAM	1803701	Employability	R18UG
Finite Element Methods (FEM)	1803702	Skill development	R18UG
Quality Engineering Management	1803703	Skill development	R18UG
Production And Operations Management	1803704	Skill development	R18UG
Rapid Prototyping	1803705	Skill development	R18UG
Mechatronics	1803706	Skill development	R18UG
Flexible Manufacturing Systems	1803707	Employability	R18UG
Computer Graphics	1803708	Employability	R18UG
Industrial Safety	1803709	Employability	R18UG
Industrial Safety & Management	18OE303	Employability	R18UG
Smart Materials	18OE304	Employability	R18UG
Quantitative Analysis For Business decisions	18OE305	Employability	R18UG
Entrepreneurship	18OE306	Entrepreneurship	R18UG
Metrology Lab	1803714	Employability	R18UG
Instrumentation And Control Systems Lab	1803715	Employability	R18UG
Minor Project	1803716	Employability	R18UG
Introduction To ANSYS	1803717	Employability	R18UG
Refrigeration And Air Conditioning	1803801	Employability	R18UG
Modern Manufacturing Methods	1803802	Employability	R18UG
Composite And Nano Materials	1803803	Employability	R18UG
Introduction To Expert Systems	1803804	Employability	R18UG

	Computer Aided Process Planning	1803805	Employability	R18UG
	Reliability In Engineering	1803806	Employability	R18UG
	Total Quality Management	1803807	Employability	R18UG
	Introduction To IC Engines	1803808	Employability	R18UG
	Major Project	1803813	Skill development	R18UG
	Seminar-II	1803814	Skill development	R18UG
	Advanced Thermodynamics and Fluid Mechanics	2299101	Employability	R22PG
	Introduction to Renewable Energy systems	2299102	Employability	R22PG
	Hydrogen and Fuel Cell Technologies	2299103	Employability	R22PG
	Wind Energy Technology	2299104	Employability	R22PG
	Process Modeling and Simulation in Renewable Energy Systems	2299105	Employability	R22PG
	Energy Storage Technology	2299106	Employability	R22PG
	Energy Conservation by Waste Heat Recovery	2299107	Employability	R22PG
M.Tech (RE)	Developing Energy Efficiency and Renewable Energy Projects	2299108	Employability	R22PG
	Fuels lab	2299109	Skill development	R22PG
	Solar lab	2299110	Skill development	R22PG
	Research Methodology & IPR	2299111	Employability	R22PG
	Constitution of India	2270A05	Skill development	R22PG
	Energy Audit and Management	2299201	Employability	R22PG
	Computational Fluid Dynamics	2299202	Employability	R22PG
	Energy Storage Technology	2299203	Employability	R22PG
	Energy Conservation by Waste Heat Recovery	2299204	Employability	R22PG
	Developing Energy Efficiency and Renewable Energy Projects	2299205	Employability	R22PG

	Hydrogen and Fuel Cell Technologies	2299206	Employability	R22PG
	Solar Energy Technology	2299207	Employability	R22PG
	Process Modeling and Simulation in Renewable Energy Systems	2299208	Employability	R22PG
	Wind energy lab	2299209	Skill development	R22PG
	Control systems and simulation lab	2299210	Skill development	R22PG
	Technical Seminar	2299211	Skill development	R22PG
	English for Research Paper Writing	2270A06	Skill development	R22PG
	Fuels and Combustion Technology	1899301	Employability	R18PG
	Environmental Engineering and Pollution Control	1899302	Employability	R18PG
	Economics and Financing of Renewable Energy Systems	1899303	Employability	R18PG
	Renewable Energy Grid Integration	1899304	Employability	R18PG
	Electric Vehicle Technology	1899305	Employability	R18PG
M.Tech RE	Power Electronic for Renewable Energy Systems	1899306	Employability	R18PG
	Advanced IC Engines	1899307	Employability	R18PG
	Biomass Characterization and Management	1899308	Employability	R18PG
	Dissertation Phase-I	1899309	Skill development	R18PG
	Dissertation Phase-II	1899401	Skill development	R18PG
	Digital Signal Processing(DSP)	2004601	Employability	R20UG
B.Tech-ECE	Microwave Engineering	2004602	Skill development	R20UG
	Control Systems	2004603	Skill development	R20UG
	CMOS VLSI Design	2004604	Employability	R20UG
	Information Theory & Coding	2004605	Skill development	R20UG

Sensors and Actuators	2004606	Skill development	R20UG
DSP Lab	2004607	Employability	R20UG
Microwave & Optical Communication Lab	2004608	Skill development	R20UG
VLSI Design Laboratory	2004609	Employability	R20UG
Advanced English Communication lab	20SC610	Skill development	R20UG
Constitution of India	20MC509	Skill development	R20UG
Embedded systems and IoT	2004501	Employability	R20UG
Communication Systems	2004502	Employability	R20UG
Antennas and Wave Propagation	2004503	Skill development	R20UG
Electronic Measurements and Instrumentation	2004504	Employability	R20UG
Computer Architecture and Organization	2004505	Skill development	R20UG
Optical Communication	2004506	Skill development	R20UG
Communication Systems Lab	2004507	Employability	R20UG
Embedded systems and IoT lab	2004508	Employability	R20UG
Introduction to Machine learning using Python	20SC509	Employability	R20UG
Management Organizational behavior	20MC510	Entrepreneurship	R20UG
Community Service Project	2004510	Skill development	R20UG
Business Economics and Accounting for	2025401	Entrepreneurship	R20UG
Probability Theory & Stochastic Processes	2021403	Skill development	R20UG
Microprocessors and Microcontrollers	2004403	Employability	R20UG
Electro Magnetic Waves and Transmission Lines	2004404	Skill development	R20UG
Linear and Digital IC Applications	2004405	Employability	R20UG
Linear and Digital IC Applications Lab	2004406	Employability	R20UG

Microprocessors and Microcontrollers Lab	2004407	Employability	R20UG
LabView Programming Lab	2004408	Employability	R20UG
PCB Design	20SC409	Employability	R20UG
Special Functions and Complex Analysis	2021301	Skill development	R20UG
Signals and Systems	2004301	Employability	R20UG
Digital System Design	2004302	Employability	R20UG
Analog Circuits	2004303	Skill development	R20UG
Network Theory	2004304	Skill development	R20UG
Simulation Lab	2004305	Employability	R20UG
Digital System Design Lab	2004306	Employability	R20UG
Analog Circuits Lab	2004307	Employability	R20UG
Python Programming (Skilled Course - I)	20SC308	Employability	R20UG
Universal Human Values	20MC309	Skill development	R20UG
Differential Equations and Vector Calculus	2021201	Skill development	R20UG
Chemistry	2023202	Skill development	R20UG
C-Programming & Data Structures	2005203	Employability	R20UG
Electronic Devices & Circuits	2004204	Employability	R20UG
Engineering Workshop	20EW205	Skill development	R20UG
IT Workshop	2005206	Employability	R20UG
Chemistry Lab	2023207	Employability	R20UG
C-Programming & Data Structures Lab	2005208	Employability	R20UG
Electronic Devices & Circuits Lab	2004209	Employability	R20UG
Environmental Science	20MC210	Skill development	R20UG
Linear Algebra and Calculus	2021101	Skill development	R20UG
Applied Physics	20AP102	Employability	R20UG

Communicative English	2024103	Skill development	R20UG
Fundamentals of Electrical Engineering	2002104	Skill development	R20UG
Engineering Drawing	2003105	Skill development	R20UG
Engineering Drawing Lab	2003106	Skill development	R20UG
Applied Physics Lab	20AP107	Employability	R20UG
Communicative English Lab	2024108	Skill development	R20UG
Fundamentals of Electrical Engineering Lab	2002109	Employability	R20UG
Wireless Communication	1824801	Skill development	R18UG
SoC Architecture	1804802	Skill development	R18UG
Speech Processing	1804803	Employability	R18UG
Low Power VLSI	1804804	Employability	R18UG
RF System Design	1804805	Employability	R18UG
Internet Of Things	1804701	Employability	R18UG
Electronic Measurements & Instrumentation	1804702	Employability	R18UG
Information Theory & Coding	1804703	Employability	R18UG
Real Time Operating Systems	1804704	Employability	R18UG
Scientific Computing	1804705	Skill development	R18UG
CMOS Design	1804706	Employability	R18UG
Electromagnetic Interference & Compatibility	1804707	Skill development	R18UG
Radar and Satellite Communication	1804708	Skill development	R18UG
Computer System Architecture	1804709	Skill development	R18UG
Digital Image & Video processing	1804710	Employability	R18UG
Digital IC Design	1804711	Employability	R18UG
Cognitive Radio	1804712	Employability	R18UG
IOT Lab	1804713	Employability	R18UG

	Project Stage-I	1804714	Skill development	R18UG
	Human Values and Professional Ethics	1824715	Skill development	R18UG
M.Tech ES & VLSI	Analog and Digital CMOS VLSI Design	2284201	Employability	R22PG
	Embedded and Real Time Operating Systems	2284202	Employability	R22PG
	Memory Architectures	2284203	Skill development	R22PG
	Advanced Computer Architecture	2284204	Skill development	R22PG
	SoC Design	2284205	Employability	R22PG
	Low Power VLSI Design	2284206	Employability	R22PG
	Communication Buses and Interfaces	2284207	Skill development	R22PG
	Network Security and Cryptography	2284208	Employability	R22PG
	Physical design automation	2284209	Employability	R22PG
	Nano Electronics	2284210	Skill development	R22PG
	Analog and Digital CMOS VLSI Design LAB	2284211	Employability	R22PG
	Real Time Operating Systems Lab	2284212	Employability	R22PG
	Technical Seminar	2284213	Skill development	R22PG
	Audit Course – II	2270Axx	Skill development	R22PG
	Dissertation Phase -I	1854310	Skill development	R18PG
	Dissertation Phase II	1854401	Skill development	R18PG
B.Tech-CSE				
	Linear Algebra and Calculus	2021101	Skill Development	R20UG
	Chemistry	2023102	Skill Development	R20UG
	C-Programming & Data Structure	2005103	Employability	R20UG
	Basic Electrical & Electronics Engineering	2014104	Skill Development	R20UG
	Engineering Workshop	20EW105	Skill Development	R20UG
	IT Workshop	2005106	Skill Development	R20UG

Chemistry Lab	2023107	Skill Development	R20UG
C-Programming & Data Structures Lab	2005108	Skill development	R20UG
Basic Electrical & Electronics Engineering Lab	2014109	Skill Development	R20UG
Differential Equations & Vector Calculus	2021201	Skill Development	R20UG
Applied Physics	20AP202	Skill Development	R20UG
Communicative English	2024203	Skill Development	R20UG
Python Programming	2005204	Employability	R20UG
Engineering Drawing	2003205	Skill Development	R20UG
Engineering Drawing Lab	2003206	Skill Development	R20UG
Applied Physics Lab	20AP207	Skill Development	R20UG
Communicative English Lab	2024208	Skill Development	R20UG
Python Programming Lab	2005209	Employability	R20UG
Environmental Science	20MC210	Skill Development	R20UG
Business Economics and Accounting for Engineers	2024301	Skill Development	R20UG
Advanced Data Structures	2005302	Employability	R20UG
Formal Languages & Automata Theory	2005303	Skill Development	R20UG
Object Oriented Programming through JAVA	2005304	Employability	R20UG
Data Base Management Systems	2005305	Employability	R20UG
Advanced Data Structures Lab	2005306	Employability	R20UG
JAVA Lab	2005307	Employability	R20UG
Data Base Management Systems Lab	2005308	Employability	R20UG
Exploring Data Analysis with R/ NASSCOM Courses	2005309	Employability	R20UG
Principles of Operating Systems	2005401	Employability	R20UG

Computer Organization	2005402	Employability	R20UG
Microprocessors & Microcontrollers	2004403	Employability	R20UG
Digital Logic Circuits & Design	2005404	Employability	R20UG
Probability Theory & Statistical Methods	2021405	Skill Development	R20UG
Microprocessors & Microcontrollers Lab	2014406	Employability	R20UG
Principles of Operating Systems Lab	2005407	Employability	R20UG
Digital Logic Design Lab	2005408	Employability	R20UG
Advanced Python Programming/ NASSCOM Courses	2005409	Entrepreneurship	R20UG
Universal Human Values	2024410	Skill Development	R20UG
Software Engineering	2005501	Skill Development	R20UG
Design and Analysis of Algorithms	2005502	Skill Development	R20UG
Computer Networks	2005503	Skill Development	R20UG
Data Structures	20OE501	Skill Development	R20UG
Database Management Systems	20OE502	Skill Development	R20UG
Web Technologies	2005504	Enterpreneurship	R20UG
Multimedia Systems	2005505	Employability	R20UG
Distributed Systems	2005506	Skill Development	R20UG
DAA Lab	2005507	Skill Development	R20UG
Professional Elective Course -I Lab	2005508	Skill Development	R20UG
Advanced English & Communication Lab/Professional Communication Lab	20245SC	Skill Development	R20UG
Community Service Project	2005510	Skill Development	R20UG
Constitution of India	20MC509	Skill Development	R20UG
Internet of Things	2005601	Skill Development	R20UG
Data Mining	2005602	Skill Development	R20UG
Cryptography & Network Security	2005603	Skill Development	R20UG

Java Programming	20OE503	Employability	R20UG
Web Designing	20OE504	Skill Development	R20UG
Artificial Intelligence	2005604	Skill Development	R20UG
Software Testing	2005605	Skill Development	R20UG
Adhoc & Sensor Networks	2005606	Skill Development	R20UG
IOT Lab	2005607	Skill Development	R20UG
Data Mining Lab	2005608	Skill Development	R20UG
Network Security Lab	2005609	Employability	R20UG
Mobile Application Development/ NASSCOM Courses	2005610	Employability	R20UG
Management Organizational Behavior	20MC612	Skill Development	R20UG
Machine Learning	1805701	Employability	R18UG
Big Data Technologies	1805702	Employability	R18UG
Computer Graphics	1805703	Skill Development	R18UG
Design Patterns	1805704	Skill Development	R18UG
Cloud Computing	1805705	Employability	R18UG
Python Programming	18OE503	Skill Development	R18UG
Computer Networks	18OE504	Skill Development	R18UG
Web Technologies	18OE505	Skill Development	R18UG
Operating Systems	18OE506	Skill Development	R18UG
Big Data Technologies Lab	1805710	Employability	R18UG
Machine Learning Lab	1805711	Employability	R18UG
Technical Seminar	1805712	Skill Development	R18UG
Project-I	1805713	Skill Development	R18UG
Cyber Security	1805801	Skill Development	R18UG
Object Oriented Analysis & Design	1805802	Skill Development	R18UG
Deep Learning	1805803	Employability	R18UG
Software Engineering	18OE507	Skill Development	R18UG

	Cloud Computing	18OE508	Employability	R18UG
	Project-II	1805806	Skill Development	R18UG
	Machine Learning	2298101	Skill Development	R22PG
	Artificial Intelligence	2298102	Employability	R22PG
	Big Data Analytics	2298103	Skill Development	R22PG
	Information retrieval	2298104	Skill Development	R22PG
	Natural Language Processing	2298105	Skill Development	R22PG
	Data Visualization Techniques	2298106	Skill Development	R22PG
	Distributed Systems	2298107	Employability	R22PG
	Medical Image Processing	2298108	Skill Development	R22PG
	AI & ML Lab	2298109	Skill Development	R22PG
	Advanced Python Programming Lab	2298110	Employability	R22PG
	Research Methodology & IPR	2284103	Skill Development	R22PG
	Audit Course – I	2270AXX	Skill Development	R22PG
M.Tech AIDS	Data Science	2298201	Skill Development	R22PG
	Deep Learning	2298202	Skill Development	R22PG
	Block Chain Technology	2298203	Skill Development	R22PG
	Exploratory Data Analysis using R	2298204	Skill Development	R22PG
	Video Analytics	2298205	Skill Development	R22PG
	Text Mining & Time Series Data Analysis	2298206	Skill Development	R22PG
	Social Media Analysis	2298207	Skill Development	R22PG
	Artificial Intelligence in Cyber Security	2298208	Employability	R22PG
	Deep Learning Lab	2298209	Skill Development	R22PG
	Program Elective Course Lab	2298210	Skill Development	R22PG
	Technical seminar	2298211	Skill Development	R22PG
	Audit Course – II	2270AXX	Skill Development	R22PG
	Genetic Algorithms	1898301	Skill Development	R18PG

	Machine Learning Models and Storage management	1898302	Skill Development	R18PG
	Scalable Systems for Data Science	1898303	Skill Development	R18PG
	Open Elective	18983XX	Skill Development	R18PG
	Dissertion-1	1898310	Skill Development	R18PG
	Dissertion-2	1898401	Skill Development	R18PG

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-CE	Human Values and Professional Ethics	18995M1	Skill development	R18UG
	Solid Mechanics – 2	1801501	Skill development	R18UG
	Hydraulic Machinery	1801502	Skill development	R18UG
	Structural Analysis – 1	1801503	Skill development	R18UG
	Geotechnical Engineering	1801504	Skill development	R18UG
	Environmental Engineering	1801505	Skill development	R18UG
	Transportation Engineering	1801506	Skill development	R18UG
	Pre-Stressed Concrete	1801508	Employability	R18UG
	Ground Improvement Techniques	1801509	Skill development	R18UG
	RS & GIS	1801510	Skill development	R18UG
	Highway Construction and Management	1801511	Employability	R18UG
	Railway Engineering	1801512	Skill development	R18UG
	Surface Hydrology	1801513	Skill development	R18UG
	Geotechnical Engineering Lab	1801514	Employability	R18UG
	Transportation Engineering Lab	1801515	Employability	R18UG

	Environmental Engineering Lab	1801516	Employability	R18UG
	Socially Relevant Project	1801517	Activites	R18UG
	Basic Electronics and Sensor Technology	1814601	Skill development	R18UG
	Concrete Technology	1801602	Skill development	R18UG
	Structural Analysis – 2	1801603	Skill development	R18UG
	Design of Reinforced Concrete Structures – 1	1801604	Employability	R18UG
	Foundation Engineering	1801605	Skill development	R18UG
	Advanced Concrete Structures	1801607	Employability	R18UG
	Design of Structural Systems (Tall Buildings)	1801608	Employability	R18UG
	Airport Planning and Design	1801609	Employability	R18UG
	Port and Harbour Engineering	1801610	Skill development	R18UG
	Environmental Laws and Policy	1801611	Skill development	R18UG
	Urban Hydrology and Hydraulics	1801612	Skill development	R18UG
	Basic Electronics and Sensor Technology Lab	1814613	Employability	R18UG
	Concrete Technology Lab	1801614	Employability	R18UG
	Foundation Engineering Lab	1801615	Employability	R18UG
	Internship	1801616	Activites	R18UG
	Engineering Economics, Estimation & Costing	1801701	Skill development	R18UG
	Design of Reinforced Concrete Structures – 2	1801702	Employability	R18UG
	Design of Steel Structures	1801703	Employability	R18UG
	Water Resources Engineering – 2	1801704	Skill development	R18UG

Sanitary Engineering & Solid Waste Management	1801705	Skill development	R18UG
Advanced Structural Analysis by Matrix Methods	1801706	Skill development	R18UG
Advanced Foundation Engineering	1801707	Employability	R18UG
Soil Dynamics & Machine Foundation	1801708	Skill development	R18UG
Intelligent Transportation Systems	1801709	Skill development	R18UG
Construction Project Planning & Systems	1801710	Employability	R18UG
Environmental Impact Assessment	1801711	Skill development	R18UG
Integrated Watershed Management	1801712	Skill development	R18UG
Water Supply Engineering	18OE105	Skill development	R18UG
Construction Practice and Management	18OE106	Skill development	R18UG
Project – 1	1801715	Activitie	R18UG
Organisational Behaviour	1899801	Skill development	R18UG
Repairs & Rehabilitation of Structures	1801802	Employability	R18UG
Bridge Engineering	1801803	Employability	R18UG
Finite Element Methods	1801804	Skill development	R18UG
Environmental Geo-Technology	1801805	Skill development	R18UG
Urban Transportation Planning	1801806	Skill development	R18UG
Design and Drawing of Irrigation Structures	1801807	Skill development	R18UG
Disaster Preparedness	18OE107	Skill development	R18UG
Rehabilitation of Structures	18OE108	Skill development	R18UG
Project – 2	1801809	Activitie	R18UG
Linear Algebra and Calculus	2021101	Skill development	R20UG
Engineering Physics	20EP102	Skill development	R20UG
Communicative English	2024103	Skill development	R20UG

	Basic Electrical & Electronics Engineering	2014104	Skill development	R20UG
	Engineering Drawing	2003105	Skill development	R20UG
	Engineering Drawing Lab	2003106	Skill development	R20UG
	Engineering Physics Lab	20EP107	Skill development	R20UG
	Communicative English Lab	2024108	Skill development	R20UG
	Basic Electrical & Electronics Engineering Lab	2014109	Skill development	R20UG
	Differential Equations and Vector Calculus	2021201	Skill development	R20UG
	Engineering Chemistry	20EC202	Skill development	R20UG
	C-Programming & Data Structures	2005203	Skill development	R20UG
	Strength of Materials	2001204	Skill development	R20UG
	Engineering Workshop	20EW205	Skill development	R20UG
	IT Workshop	2005206	Skill development	R20UG
	Engineering Chemistry Lab	20EC207	Skill development	R20UG
	C-Programming & Data Structures Lab	2005208	Skill development	R20UG
	Strength of Materials Lab	2001209	Skill development	R20UG
	Environmental Science	20MC210	Skill development	R20UG
	Probability, Statistics & Numerical Methods	2021302	Skill development	R20UG
	Geology and Building materials	2001302	Skill development	R20UG
	Advanced Strength of materials	2001303	Skill development	R20UG
	Fluid Mechanics	2001304	Skill development	R20UG
	Geomatics	2001305	Skill development	R20UG
	Fluid Mechanics Laboratory	2001306	Skill development	R20UG
	Geomatics Lab	2001307	Employability	R20UG

	Civil Engineering Workshop (Skill oriented)	20013S1	Employability	R20UG
	Universal Human values and Ethics	20993M1	Skill development	R20UG
	Business Economics and Accounting for Engineers	2025401	Skill development	R20UG
	Hydraulics & Hydraulic Machinery	2001402	Skill development	R20UG
	Soil Mechanics	2001403	Skill development	R20UG
	Structural Analysis	2001404	Skill development	R20UG
	Transportation Engineering	2001405	Skill development	R20UG
	Building Planning and Drawing (AutoCAD)	2001406	Entrepreneurship	R20UG
	Soil Mechanics Laboratory	2001407	Employability	R20UG
	Transportation Engineering Laboratory	2001408	Employability	R20UG
	Advanced Civil Engineering Workshop (Skill oriented-2)	20014S2	Employability	R20UG
M.Tech GTE	Advanced Soil Mechanics	1851101	Skill development	R18PG
	Advanced Foundation Engineering	1851102	Employability	R18PG
	Soil Structure Interaction	1851103	Employability	R18PG
	Ground Improvement Techniques	1851104	Skill development	R18PG
	Pavement Analysis and Design	1851105	Employability	R18PG
	FEM in Geo-Mechanics	1851106	Employability	R18PG
	Environmental Geo-Technology	1851107	Skill development	R18PG
	Critical Soil Mechanics	1851108	Skill development	R18PG
	Research Methodology & IPR	1851109	Skill development	R18PG
	Soil Mechanics – 1 Laboratory	1851110	Skill development	R18PG
	Soil Mechanics – 2 Laboratory	1851111	Skill development	R18PG
	Dynamics of Soil and Foundations	1851201	Employability	R18PG

Subsurface Investigations and Instrumentation	1851202	Entrepreneurship	R18PG
Offshore Geo-Technical Engineering	1851203	Employability	R18PG
Computational Geo-Mechanics	1851204	Employability	R18PG
Engineering Rock Mechanics	1851205	Skill development	R18PG
Earth Retaining Structures	1851206	Employability	R18PG
Design of Underground Excavations	1851207	Employability	R18PG
Physical and Constitutive Modeling on Geo-Mechanics	1851208	Skill development	R18PG
Mini-Project	1851209	Skill development	R18PG
Sub Soil Exploration Laboratory	1851210	Entrepreneurship	R18PG
Geo-Technical Engineering Modeling Laboratory	1851211	Skill development	R18PG
English for Research Paper Writing	1870A01	Skill development	R18PG
Disaster Management	1870A02	Skill development	R18PG
Sanskrit for Technical Knowledge	1870A03	Skill development	R18PG
Value Education	1870A04	Skill development	R18PG
Constitution of India	1870A05	Skill development	R18PG
Pedagogy Studies	1870A06	Skill development	R18PG
Stress Management by Yoga	1870A07	Skill development	R18PG
Personality Development through Life Enlightenment Skills	1870A08	Skill development	R18PG
Stability Analysis of Slopes	1851301	Employability	R18PG
Foundation on Weak Rocks	1851302	Skill development	R18PG
Geo-Technical Earthquake Engineering	1851303	Skill development	R18PG
Dissertation Stage – 1	1851310	Skill development	R18PG
Business Analytics	1871304	Skill development	R18PG
Industrial Safety	1871305	Skill development	R18PG

	Operations Research	1871306	Skill development	R18PG
	Cost Management of Engineering Projects	1871307	Skill development	R18PG
	Composite Materials	1871308	Skill development	R18PG
	Waste to Energy	1871309	Skill development	R18PG
	Dissertation Final Stage	1851401	Skill development	R18PG
				R20UG
	Linear Algebra and Calculus	2021101	Skill development	R20UG
	Applied Physics	20AP102	Skill development	R20UG
	Communicative English	2024103	Skill development	R20UG
	C-Programming & Data Structures	2005103	Employability	R20UG
	Engineering Drawing	2003105	Skill development	R20UG
	Engineering Drawing Lab	2003106	Skill development	R20UG
	Applied Physics Lab	20AP107	Skill development	R20UG
	Communicative English Lab	2024108	Skill development	R20UG
	C-Programming & Data Structures Lab	2005108	Skill development	R20UG
B.Tech-EEE	Differential Equations & Vector Calculus	2021201	Skill development	R20UG
	Chemistry	2023202	Skill development	R20UG
	Electrical Circuits Analysis-I	2002203	Skill development	R20UG
	Electronic Devices & Circuits	2004204	Skill development	R20UG
	Engineering Workshop	20EW205	Skill development	R20UG
	IT Workshop	2005206	Skill development	R20UG
	Chemistry Lab	2023207	Skill development	R20UG
	Electrical Circuits Analysis-I Lab	2002208	Skill development	R20UG
	Electronic Devices & Circuits Lab	2004209	Skill development	R20UG
	Environmental Science	20MC210	Skill development	R20UG
	Switching Theory & Logic Design	2002301	Skill development	R20UG

Electromagnetic Field Theory	2002302	Skill development	R20UG
Electrical Circuit Analysis - II	2002303	Skill development	R20UG
Electrical Measurements & Measuring Instruments	2002304	Skill development	R20UG
DC Machines & Transformers	2002305	Skill development	R20UG
Electrical Circuit Analysis - II Lab	2002306	Skill development	R20UG
Electrical Measurements & Measuring Instruments Lab	2002307	Skill development	R20UG
DC Machines & Transformers Lab	2002308	Skill development	R20UG
Skill Oriented Course	2002309	Skill development	R20UG
Universal Human Values	20MC310	Skill development	R20UG
Special Functions and Complex Analysis	2021401	Skill development	R20UG
Fundamentals of Management for Engineer	2025402	Skill development	R20UG
Induction Motors & Synchronous Machines	2002403	Skill development	R20UG
Linear Control Systems	2002404	Skill development	R20UG
Power Systems - I	2002405	Skill development	R20UG
Induction Motors & Synchronous Machines Lab	2002406	Skill development	R20UG
Control Systems Lab	2002407	Skill development	R20UG
Python Programming Lab	2005408	Skill development	R20UG
Skill Oriented Course	2002409	Skill development	R20UG
Microprocessors & Microcontrollers	1804501	Skill development	R18UG
Linear Digital IC Applications	1814502	Skill development	R18UG
Power Electronics	1802503	Skill development	R18UG
Power System Operation & Control	1802504	Skill development	R18UG

Course	Code	Category	Regulation
Energy Auditing & Demand Side Management	1802505	Entrepreneurship	R18UG
Electrical Machine Design	1802506	Skill development	R18UG
Advanced Control Systems	1802507	Skill development	R18UG
Instrumentation	1802508	Skill development	R18UG
Energy Conversion Systems	1802509	Skill development	R18UG
Electrical Machines - II Lab	1802510	Skill development	R18UG
Control Systems & Simulation Lab	1802511	Skill development	R18UG
Advanced English Communication Lab	1824512	Skill development	R18UG
Socially Relevant Projects	1802513	Skill development	R18UG
Management Science	1824601	Skill development	R18UG
Power Semiconductor Drives	1802602	Skill development	R18UG
Switchgear & Protection	1802603	Skill development	R18UG
Power System Deregulation	1802604	Skill development	R18UG
High Voltage DC Transmission	1802605	Skill development	R18UG
PLC & its Applications	1802606	Skill development	R18UG
Signals & Systems	1802607	Skill development	R18UG
Electric & Hybrid Vehicles	1802608	Skill development	R18UG
Fundamentals of Control Systems	18OE201	Skill development	R18UG
MATLAB Programming	18OE202	Skill development	R18UG
Power Electronics & Simulation Lab	1802612	Skill development	R18UG
Power Systems - I Lab	1802613	Skill development	R18UG
Internet of Things Lab	1802614	Skill development	R18UG
Internship	1802615	Skill development	R18UG
Constitution of India	18996M2	Skill development	R18UG
Project Management	1825701	Employability	R18UG
Utilization of Electrical Power	1802702	Skill development	R18UG

	Course	Code	Category	Regulation
	Flexible AC Transmission System	1802703	Skill development	R18UG
	Power Quality	1802704	Skill development	R18UG
	Digital Control Systems	1802705	Skill development	R18UG
	Digital Signal Processing	1802706	Skill development	R18UG
	Smart Grid	1802707	Skill development	R18UG
	Energy Conversion Systems	18OE203	Skill development	R18UG
	Internet of Things	18OE204	Employability	R18UG
	Intelligent Control Techniques	18OE205	Skill development	R18UG
	Electrical System Estimation & Costing	18OE206	Entrepreneurship	R18UG
	LabView Programming	1802708	Entrepreneurship	R18UG
	Power Systems -II Lab	1802709	Skill development	R18UG
	Effective Technical Communication Skills Lab	1824710	Skill development	R18UG
	Project Stage - I	1802711	Skill development	R18UG
	Universal Human Values	18997M3	Skill development	R18UG
	Electrical Distribution Systems	1802801	Skill development	R18UG
	Power System Reliability	1802802	Skill development	R18UG
	Industrial Automation & Control	1802803	Skill development	R18UG
	SCADA & its Application	1802804	Skill development	R18UG
	Distributed Generation & Micro Grid	1802805	Skill development	R18UG
	Basics of Power Electronics	18OE207	Skill development	R18UG
	System Reliability Concepts	18OE208	Skill development	R18UG
	Technical Seminar	1802806	Skill development	R18UG
	Project Stage - II	1802807	Skill development	R18UG
B.Tech-ME	Linear Algebra and Calculus	2021101	Skill Development	R20UG
	Chemistry	2023102	Skill Development	R20UG
	C-Programming & Data Structures	2005103	Employability	R20UG

Basic Electrical & Electronics Engineering	2014104	Employability	R20UG
Engineering Workshop	20EW105	Employability	R20UG
IT Workshop	2005106	Employability	R20UG
Chemistry Lab	2023107	Skill Development	R20UG
C-Programming & Data Structures Lab	2005108	Skill development	R20UG
Basic Electrical & Electronics Engineering Lab	2014109	Employability	R20UG
Differential Equations and Vector calculus	2021201	Skill Development	R20UG
Applied Physics	20AP202	Skill Development	R20UG
Communicative English	2024203	Skill Development	R20UG
Material Science	2005204	Employability	R20UG
Engineering Drawing	2003205	Skill Development	R20UG
Engineering Drawing Lab	2003206	Skill Development	R20UG
Applied Physics Lab	20AP207	Skill Development	R20UG
Communicative English Lab	2024208	Skill Development	R20UG
Material Science Lab	2005209	Employability	R20UG
Universal Human Values	20MC211	Skill Development	R20UG
Fundamentals of Statistics and Dynamics.	2003301	Skill Development	R20UG
Fluid Mechanics &Hydraulic Machinery	2003302	Skill Development	R20UG
Manufacturing processes	2003303	Employability	R20UG
Engineering Thermodynamics	2003304	Employability	R20UG
Mechanics of Materials	2003305	Employability	R20UG
Fluid Mechanics &Hydraulic Machinery Lab	2003306	Skill Development	R20UG
Manufacturing Technology Lab	2003307	Employability	R20UG

Mechanics of Materials Lab	2003308	Employability	R20UG
Skill Oriented Course – ICATIA	2003309	Employability	R20UG
Environmental Science	20993M1	Employability	R20UG
Business Economics and Accounting for Engineering	2025401	Employability	R20UG
Numerical Methods And Probability	2021401	Skill Development	R20UG
Applied Thermodynamics	2003402	Employability	R20UG
Kinematics Of Machinery	2003403	Employability	R20UG
Machine Tools	2003404	Employability	R20UG
Applied Thermodynamics Lab	2003406	Skill Development	R20UG
Machine Tools Lab	2003407	Skill Development	R20UG
Computer Aided Machine Drawing	2003408	Skill Development	R20UG
CNC Programming and Simulation	2003409	Skill Development	R20UG
Universal Human Values	20MC410	Skill Development	R20UG
Heat Transfer	1803501	Employability	R18UG
DME -I	1803502	Employability	R18UG
Metrology	1803503	Employability	R18UG
Dyanamics of Machinery	1803504	Employability	R18UG
Managerial Economics	1803505	Employability	R18UG
Automobile Engineering	1803506	Employability	R18UG
Mechanical Behavior of metals	1803507	Skill development	R18UG
Renewable enable Energy technologies	1803508	Skill development	R18UG
Supply Chain Management	1803509	Skill development	R18UG
Manufacturing Methods in Precision Engineering	1803510	Skill development	R18UG
Design of Manufacturing	1803511	Employability	R18UG
Additive Manufacturing	1803512	Employability	R18UG

Machanical Engg Lab) Thermal Engineering)	1803513	Employability	R18UG
Mechanical Engg Lab II (CAD CAM Lab)	1803514	Employability	R18UG
Socially relevant project	1803515	Employability	R18UG
Machine Tools	1803601	Employability	R18UG
DME-II	1803602	Employability	R18UG
Operations Research	1803603	Employability	R18UG
Power Plant Engineering	1803604	Employability	R18UG
Gas turbines and jet propulsion systems(PEC-II)	1803605	Employability	R18UG
Computer aided porcess planning(PEC-II)	1803606	Skill development	R18UG
Concurrent Engineering(PEC-II)	1803607	Skill development	R18UG
Introduction to Artifical Intelligence & Expert systems (PEC-II)	1803608	Skill development	R18UG
Virtual Reality systems(PEC-II)	1803609	Skill development	R18UG
Autotronics (PEC-II)	1803610	Skill development	R18UG
Energy systems engineering (OEC-I)	1803611	Employability	R18UG
Robotics and application in manufacturing (OEC-I)	1803612	Employability	R18UG
Machine Tools Lab	1803613	Employability	R18UG
Heat Transfer Lab	1803614	Employability	R18UG
Intership	1803615	Employability	R18UG
Organizational Behavior	1825616	Employability	R18UG
Professional Ethics and soft skills	1824617	Employability	R18UG
Introduction to Artifical Intelligence & Expert systems (PEC-II)	1803608	Employability	R18UG

Virtual Reality systems(PEC-II)	1803609	Employability	R18UG
Autotronics (PEC-II)	1803610	Employability	R18UG
Energy systems engineering (OEC-I)	1803611	Skill development	R18UG
Robotics and application in manufacturing (OEC-I)	1803612	Skill development	R18UG
Machine Tools Lab	1803613	Skill development	R18UG
Heat Transfer Lab	1803614	Skill development	R18UG
Internship	1803615	Skill development	R18UG
Organizational Behavior	1825616	Skill development	R18UG
Professional Ethics and soft skills	1824617	Skill development	R18UG
CAD/CAM	1803701	Employability	R18UG
Finite Element Methods (FEM)	1803702	Skill development	R18UG
Quality Engineering Management	1803703	Skill development	R18UG
Production And Operations Management	1803704	Skill development	R18UG
Rapid Prototyping	1803705	Skill development	R18UG
Mechatronics	1803706	Skill development	R18UG
Flexible Manufacturing Systems	1803707	Employability	R18UG
Computer Graphics	1803708	Employability	R18UG
Industrial Safety	1803709	Employability	R18UG
Industrial Safety & Management	18OE303	Employability	R18UG
Smart Materials	18OE304	Employability	R18UG
Quantitative Analysis For Business decisions	18OE305	Employability	R18UG
Entrepreneurship	18OE306	Entrepreneurship	R18UG
Metrology Lab	1803714	Employability	R18UG
Instrumentation And Control Systems Lab	1803715	Employability	R18UG

	Minor Project	1803716	Employability	R18UG
	Introduction To ANSYS	1803717	Employability	R18UG
	Refrigeration And Air Conditioning	1803801	Employability	R18UG
	Modern Manufacturing Methods	1803802	Employability	R18UG
	Composite And Nano Materials	1803803	Employability	R18UG
	Introduction To Expert Systems	1803804	Employability	R18UG
	Computer Aided Process Planning	1803805	Employability	R18UG
	Reliability In Engineering	1803806	Employability	R18UG
	Total Quality Management	1803807	Employability	R18UG
	Introduction To IC Engines	1803808	Employability	R18UG
	Major Project	1803813	Skill development	R18UG
	Seminar-II	1803814	Skill development	R18UG
	Advanced Mathematics	1825101	Employability	R18PG
M.Tech RE	Advanced Thermodynamics and Fluid Mechanics	1899102	Employability	R18PG
	Introduction to Renewable Energy systems	1899103	Employability	R18PG
	Measurement and Control For Energy Systems	1899104	Employability	R18PG
	Solar Energy Technologies	1899105	Employability	R18PG
	Power Generation, Distribution and Transmission	1899106	Employability	R18PG
	Bio-Energy and Biofuels	1899107	Employability	R18PG
	Advanced Power Plant Engineering	1899108	Employability	R18PG
	Solar Refrigeration and Air Conditioning	1899109	Employability	R18PG
	Research Methodology & IPR	1899110	Employability	R18PG
	Seminar/Industrial Visit	1899111	Employability	R18PG

	Constitution of India	1870A05	Skill development	R18PG
	Energy Audit and Management	1899201	Skill development	R18PG
	Computational Fluid Dynamics	1899202	Employability	R18PG
	Hydrogen and Fuel Cell Technologies	1899203	Employability	R18PG
	Wind Energy Technology	1899204	Employability	R18PG
	Process Modeling and Simulation in Renewable Energy Systems	1899205	Employability	R18PG
	Energy Storage Technology	1899206	Employability	R18PG
	Energy Conservation by Waste Heat Recovery	1899207	Employability	R18PG
	Developing Energy Efficiency and Renewable Energy Projects	1899208	Employability	R18PG
	Mini-project	1899209	Skill development	R18PG
	Energy Laboratory	1899210	Skill development	R18PG
	English for Research paper writing	1870A01	Skill development	R18PG
	Fuels and Combustion Technology	1899301	Employability	R18PG
	Environmental Engineering and Pollution Control	1899302	Employability	R18PG
	Economics and Financing of Renewable Energy Systems	1899303	Employability	R18PG
M.Tech CAD/CAM	Renewable Energy Grid Integration	1899304	Employability	R18PG
	Electric Vehicle Technology	1899305	Employability	R18PG
	Power Electronic for Renewable Energy Systems	1899306	Employability	R18PG
	Advanced IC Engines	1899307	Employability	R18PG
	Biomass Characterization and Management	1899308	Employability	R18PG
	Dissertation Phase-I	1899309	Skill development	R18PG

	Dissertation Phase-II	1899401	Skill development	R18PG
	Business Economics and Accounting for	2025401	Entrepreneurship	R20UG
	Probability Theory & Stochastic Processes	2021403	Skill development	R20UG
	Microprocessors and Microcontrollers	2004403	Employability	R20UG
	Electro Magnetic Waves and Transmission Lines	2004404	Skill development	R20UG
	Linear and Digital IC Applications	2004405	Employability	R20UG
	Linear and Digital IC Applications Lab	2004406	Employability	R20UG
	Microprocessors and Microcontrollers Lab	2004407	Employability	R20UG
	LabView Programming Lab	2004408	Employability	R20UG
	PCB Design	20SC409	Employability	R20UG
B.Tech-ECE	Special Functions and Complex Analysis	2021301	Skill development	R20UG
	Signals and Systems	2004301	Employability	R20UG
	Digital System Design	2004302	Employability	R20UG
	Analog Circuits	2004303	Skill development	R20UG
	Network Theory	2004304	Skill development	R20UG
	Simulation Lab	2004305	Employability	R20UG
	Digital System Design Lab	2004306	Employability	R20UG
	Analog Circuits Lab	2004307	Employability	R20UG
	Python Programming (Skilled Course - I)	20SC308	Employability	R20UG
	Universal Human Values	20MC309	Skill development	R20UG
	Linear Algebra and Calculus	2021101	Skill development	R20UG
	Applied Physics	20AP102	Employability	R20UG

Communicative English	2024103	Skill development	R20UG
Fundamentals of Electrical Engineering	2002104	Skill development	R20UG
Engineering Drawing	2003105	Skill development	R20UG
Engineering Drawing Lab	2003106	Skill development	R20UG
Applied Physics Lab	20AP107	Employability	R20UG
Communicative English Lab	2024108	Skill development	R20UG
Fundamentals of Electrical Engineering Lab	2002109	Employability	R20UG
Differential Equations and Vector Calculus	2021201	Skill development	R20UG
Chemistry	2023202	Skill development	R20UG
C-Programming & Data Structures	2005203	Employability	R20UG
Electronic Devices & Circuits	2004204	Employability	R20UG
Engineering Workshop	20EW205	Skill development	R20UG
IT Workshop	2005206	Employability	R20UG
Chemistry Lab	2023207	Employability	R20UG
C-Programming & Data Structures Lab	2005208	Employability	R20UG
Electronic Devices & Circuits Lab	2004209	Employability	R20UG
Environmental Science	20MC210	Skill development	R20UG
Antennas and wave Propagation	1804501	Employability	R18UG
Digital Signal Processing	1804502	Employability	R18UG
Computer Organization	1804503	Skill development	R18UG
Analog Communication	1804504	Employability	R18UG
Digital IC Applications	1804505	Employability	R18UG
Microprocessors & Microcontrollers	1804506	Employability	R18UG
Microprocessors & Microcontrollers Lab	1804507	Employability	R18UG
Analog and Digital ICs Lab	1804508	Employability	R18UG

Socially Relevant Project	1804509	Skill development	R18UG
Embedded Systems	1804601	Employability	R18UG
Digital Communication	1804602	Employability	R18UG
Microwave Engineering	1804603	Employability	R18UG
Fiber-Optic Communication	1804604	Employability	R18UG
Data structures and Algorithms	1804605	Employability	R18UG
Digital Signal Processors & Architectures	1804606	Employability	R18UG
Analog IC Design	1804607	Employability	R18UG
Introduction to MEMS	1804608	Employability	R18UG
Analog and digital communication Lab	1804609	Skill development	R18UG
Digital Signal Processing Lab	1804610	Employability	R18UG
Micro Wave &Optical Communication Lab	1804611	Employability	R18UG
Organizational Behaviour	1899612	Entrepreneurship	R18UG
Internship	1804613	Employability	R18UG
Internet Of Things	1804701	Employability	R18UG
Electronic Measurements & Instrumentation	1804702	Employability	R18UG
Information Theory & Coding	1804703	Employability	R18UG
Real Time Operating Systems	1804704	Employability	R18UG
Scientific Computing	1804705	Skill development	R18UG
CMOS Design	1804706	Employability	R18UG
Electromagnetic Interference & Compatibility	1804707	Skill development	R18UG
Radar and Satellite Communication	1804708	Skill development	R18UG
Computer System Architecture	1804709	Skill development	R18UG
Digital Image & Video processing	1804710	Employability	R18UG

	Digital IC Design	1804711	Employability	R18UG
	Cognitive Radio	1804712	Employability	R18UG
	IOT Lab	1804713	Employability	R18UG
	Project Stage-I	1804714	Skill development	R18UG
	Human Values and Professional Ethics	1824715	Skill development	R18UG
	Wireless Communication	1824801	Skill development	R18UG
	SoC Architecture	1804802	Skill development	R18UG
	Speech Processing	1804803	Employability	R18UG
	Low Power VLSI	1804804	Employability	R18UG
	RF System Design	1804805	Employability	R18UG
	RTL Simulation and Synthesis with PLDs	1884101	Employability	R18PG
	Microcontrollers and Programmable Digital Signal	1884102	Employability	R18PG
	Processors	1884104	Skill development	R18PG
	Research methodology and IPR	1884105	Skill development	R18PG
	VLSI signal processing	1884106	Employability	R18PG
	Design for testability	1884107	Employability	R18PG
M.Tech ES&VLSI	Programming Languages for Embedded Systems.	1884108	Employability	R18PG
	Micro-Electro Mechanical Systems.	1884109	Employability	R18PG
	CAD of Digital System	1884110	Employability	R18PG
	CPLD, FPGA Architectures and Applications.	1884111	Employability	R18PG
	RTL Simulation and Synthesis with PLDs Lab	1884112	Employability	R18PG
	Microcontrollers and Programmable Digital Signal Processors Lab	1884113	Employability	R18PG

	C-Programming & Data Structures	1884201	Employability	R18PG
	Real Time Operating Systems	1884202	Employability	R18PG
	Memory Architectures	1884203	Skill development	R18PG
	Advanced Computer Architecture	1884204	Skill development	R18PG
	SOC Design	1884205	Employability	R18PG
	Low power VLSI Design	1884206	Employability	R18PG
	Communication Buses and Interfaces	1884207	Skill development	R18PG
	Network Security and Cryptography	1884208	Employability	R18PG
	Physical design automation	1884209	Skill development	R18PG
	Nano electronics	1884210	Employability	R18PG
	Analog and Digital CMOS VLSI Design Lab	1884211	Employability	R18PG
	Real Time Operating Systems Lab	1884212	Employability	R18PG
M.Tech DECS	Dissertation Phase -I	1854310	Skill development	R18PG
	Dissertation Phase II	1854401	Skill development	R18PG
	Linear Algebra and Calculus	2021101	Skill Development	R20UG
	Chemistry	2023102	Skill Development	R20UG
	C-Programming & Data Structures	2005103	Employability	R20UG
	Basic Electrical & Electronics Engineering	2014104	Skill Development	R20UG
B.Tech-CSE	Engineering Workshop	20EW105	Skill Development	R20UG
	IT Workshop	2005106	Skill Development	R20UG
	Chemistry Lab	2023107	Skill Development	R20UG
	C-Programming & Data Structures Lab	2005108	Skill development	R20UG
	Basic Electrical & Electronics Engineering Lab	2014109	Skill Development	R20UG

Course	Code	Category	Regulation
Differential Equations and Vector Calculus	2021201	Skill Development	R20UG
Applied Physics	20AP202	Skill Development	R20UG
Communicative English	2024203	Skill Development	R20UG
Python Programming	2005204	Employability	R20UG
Engineering Drawing	2003205	Skill Development	R20UG
Engineering Drawing Lab	2003206	Skill Development	R20UG
Applied Physics Lab	20AP207	Skill Development	R20UG
Communicative English Lab	2024208	Skill Development	R20UG
Python Programming Lab	2005209	Employability	R20UG
Environmental Science	20MC210	Skill Development	R20UG
Business Economics and Accounting for Engineers	2024301	Skill Development	R20UG
Advanced Data Structures	2005302	Employability	R20UG
Formal Languages and Automata Theory	2005303	Skill Development	R20UG
Object Oriented Programming through JAVA	2005304	Employability	R20UG
Database Management Systems	2005305	Employability	R20UG
Advanced Data Structures Lab	2005306	Employability	R20UG
Java Lab	2005307	Employability	R20UG
Database Management Systems Lab	2005308	Employability	R20UG
Exploring Data Analysis with R	2005309	Employability	R20UG
Microprocessors & Microcontrollers	2004401	Employability	R20UG
Computer Organization	2005402	Employability	R20UG
Principles of Operating Systems	2005403	Employability	R20UG
Digital Logic Circuits & Design	2005404	Employability	R20UG

Probability Theory And Statistical Methods	2021405	Skill Development	R20UG
Microprocessors & Microcontrollers Lab	2004406	Employability	R20UG
Principles of Operating Systems Lab	2005407	Employability	R20UG
Digital Logic Design Lab	2005408	Employability	R20UG
Advanced Python Programming	2005409	Entrepreneurship	R20UG
Universal Human Values	2024410	Skill Development	R20UG
Web Technologies	1805501	Entrepreneurship	R18UG
Data Base Management Systems	1805502	Employability	R18UG
Computer Networks	1805503	Employability	R18UG
Software Engineering	1805504	Employability	R18UG
Human Computer Interaction(PE-I)	1805505	Employability	R18UG
Multimedia Systems(PE-I)	1805506	Entrepreneurship	R18UG
Distributed Systems(PE-I)	1805507	Employability	R18UG
Compiler Design	1805508	Employability	R18UG
Constitution of India	1825509	Skill Development	R18UG
Databases Lab	1805510	Employability	R18UG
Web Technologies Lab	1805511	Entrepreneurship	R18UG
Advanced English and Communications Skills lab	1824512	Skill Development	R18UG
Socially Relevant Project	1805513	Skill Development	R18UG
Internet of Things	1805601	Employability	R18UG
Data Mining	1805602	Employability	R18UG
Artificial Intelligence(PE-II)	1805603	Employability	R18UG
Software Testing(PE-II)	1805604	Employability	R18UG
Mobile Adhoc Networks(PE-II)	1805605	Employability	R18UG
Data Structures(OE-I)	18OE501	Employability	R18UG

	Database Management Systems	18OE502	Employability	R18UG
	Management Science	1825609	Skill Development	R18UG
	Mobile Application Development	1805608	Entrepreneurship	R18UG
	Internet of Things Lab	1805609	Employability	R18UG
	Mobile Application Development Lab	1805610	Entrepreneurship	R18UG
	Internship	1805611	Skill Development	R18UG
	Machine Learning	1805701	Employability	R18UG
	Big Data Technologies	1805702	Employability	R18UG
	Computer Graphics(PE-III)	1805703	Employability	R18UG
	Design Patterns(PE-III)	1805704	Employability	R18UG
	Cloud Computing(PE-III)	1805705	Employability	R18UG
	Python Programming(OE-II)	18OE503	Skill Development	R18UG
	Computer Networks(OE-II)	18OE504	Employability	R18UG
	Web Technologies(OE-III)	18OE505	Skill Development	R18UG
	Operating Systems(OE-III)	18OE506	Employability	R18UG
	Big Data Technologies Lab	1805710	Employability	R18UG
	Machine Learning Lab	1805711	Employability	R18UG
	Technical Seminar	1805712	Skill Development	R18UG
	Project-I	1805713	Skill Development	R18UG
	Cyber Security(PE-IV)	1805801	Entrepreneurship	R18UG
	Object Oriented Analysis & Design(PE-IV)	1805802	Employability	R18UG
	Deep Learning(PE-IV)	1805803	Employability	R18UG
	Software Engineering(OE-IV)	18OE507	Employability	R18UG
	Cloud Computing(OE-IV)	18OE508	Employability	R18UG
	Project-II	1805806	Skill Development	R18UG
M.Tech AIDS	Machine Learning(PC-1)	1898101	Employability	R18PG
	Artificial Intelligence(PC-2)	1898102	Employability	R18PG

	Big data Analytics(PE-1)	1898103	Employability	R18PG
	Information Retrieval(PE-1)	1898104	Employability	R18PG
	Privacy Preserving Data Publishing(PE-1)	1898105	Employability	R18PG
	Data Visualization Techniques(PE-2)	1898106	Employability	R18PG
	Advanced Data Mining(PE-2)	1898107	Employability	R18PG
	Cloud Data Management(PE-2)	1898108	Employability	R18PG
	Research Methodology & IPR	1898109	Skill Development	R18PG
	Audit Course-1	1870AXX	Skill Development	R18PG
	AI & Machine Learning Lab	1898111	Employability	R18PG
	Software Lab-1 (for electives)	1898112	Employability	R18PG
	Data Science(PC-3)	1898201	Employability	R18PG
	Deep Learning(PC-4)	1898202	Employability	R18PG
	Natural Language Processing(PE-3)	1898203	Employability	R18PG
	Exploratory Data Analysis using R(PE-3)	1898204	Employability	R18PG
	Knowledge Engineering and Data Science(PE-3)	1898205	Employability	R18PG
	Text Mining(PE-4)	1898206	Employability	R18PG
	Social network Analysis(PE-4)	1898207	Employability	R18PG
	Artificial Intelligence in Cyber Security(PE-4)	1898208	Employability	R18PG
	Audit Course-2	1870AXX	Skill Development	R18PG
	Deep Learning Lab	1898210	Employability	R18PG
	Software Lab-2 (for Electives)	1898211	Employability	R18PG
	Mini Project with Seminar	1898212	Skill Development	R18PG
M.Tech CSE	Big Data Analytics(PE-V)	1855301	Employability	R18PG

Compiler for High(PE-V)	1855302	Employability		R18PG
Advanced Algorithms(PE-V)	1855303	Employability		R18PG
Waste to Energy(OE)	1855309	Skill Development		R18PG
Dissertation-I	1855310	Skill Development		R18PG
Dissertation-II	1855401	Skill Development		R18PG

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-CE	Structural Analysis – 2	1501701	Skill development	R15UG
	Design & Detailing of Reinforced Concrete Structures – 2	1501702	Employability	R15UG
	Design & Detailing of Steel Structures	1501703	Employability	R15UG
	Transportation Engineering - 2	1501704	Skill development	R15UG
	Water Resources Engineering – 2	1501705	Skill development	R15UG
	Pre-stressed Concrete	1501706	Employability	R15UG
	Advanced Foundation Engineering	1501707	Employability	R15UG
	Construction Planning & Management	1501708	Skill development	R15UG
	Concrete & Highway Materials Laboratory	1501709	Skill development	R15UG
	CADD Lab	1501710	Employability	R15UG
	Sanitary Engineering	1501801	Skill development	R15UG

Design & Drawing of Irrigation Structures	1501802	Employability	R15UG
Quantity Surveying and Valuation	1501803	Entrepreneurship	R15UG
Finite Element Methods	1501804	Skill development	R15UG
Environmental Impact Assessment	1501805	Skill development	R15UG
Bridge Engineering	1501806	Skill development	R15UG
Seminar	1501807	Skill development	R15UG
Project Work	1501808	Skill development	R15UG
Biology for Engineers	1823301	Skill development	R18UG
Numerical Methods, Probability & Statistics	1821302	Skill development	R18UG
Basic Mechanical Engineering	1803303	Skill development	R18UG
Engineering Mechanics	1801304	Skill development	R18UG
Surveying and Geomatics	1801305	Skill development	R18UG
Building Materials and Construction	1801306	Skill development	R18UG
Computer Aided Civil Engineering Drawing Lab	1801307	Employability	R18UG
Surveying and Geomatics Lab	1801308	Skill development	R18UG
Civil Engineering Workshop	1801309	Skill development	R18UG
Managerial Economics & Financial Analysis	1825401	Skill development	R18UG
Effective Technical Communication	1824402	Skill development	R18UG
Solid Mechanics – 1	1801405	Skill development	R18UG
Disaster Preparedness & Planning Management	1801406	Skill development	R18UG
Engineering Geology Lab	1801407	Skill development	R18UG
Fluid Mechanics Lab	1801408	Skill development	R18UG
Solid Mechanics Lab	1801409	Skill development	R18UG

	Human Values and Professional Ethics	18995M1	Skill development	R18UG
	Solid Mechanics – 2	1801501	Skill development	R18UG
	Hydraulic Machinery	1801502	Skill development	R18UG
	Structural Analysis – 1	1801503	Skill development	R18UG
	Geotechnical Engineering	1801504	Skill development	R18UG
	Environmental Engineering	1801505	Skill development	R18UG
	Transportation Engineering	1801506	Skill development	R18UG
	Pre-Stressed Concrete	1801508	Employability	R18UG
	Ground Improvement Techniques	1801509	Skill development	R18UG
	RS & GIS	1801510	Skill development	R18UG
	Highway Construction and Management	1801511	Employability	R18UG
	Railway Engineering	1801512	Skill development	R18UG
	Surface Hydrology	1801513	Skill development	R18UG
	Geotechnical Engineering Lab	1801514	Employability	R18UG
	Transportation Engineering Lab	1801515	Employability	R18UG
	Environmental Engineering Lab	1801516	Employability	R18UG
	Socially Relevant Project	1801517	Activites	R18UG
	Basic Electronics and Sensor Technology	1814601	Skill development	R18UG
	Concrete Technology	1801602	Skill development	R18UG
	Structural Analysis – 2	1801603	Skill development	R18UG
	Design of Reinforced Concrete Structures – 1	1801604	Employability	R18UG
	Foundation Engineering	1801605	Skill development	R18UG
	Advanced Concrete Structures	1801607	Employability	R18UG
	Design of Structural Systems (Tall Buildings)	1801608	Employability	R18UG
	Airport Planning and Design	1801609	Employability	R18UG

	Port and Harbour Engineering	1801610	Skill development	R18UG
	Environmental Laws and Policy	1801611	Skill development	R18UG
	Urban Hydrology and Hydraulics	1801612	Skill development	R18UG
	Basic Electronics and Sensor Technology Lab	1814613	Employability	R18UG
	Concrete Technology Lab	1801614	Employability	R18UG
	Foundation Engineering Lab	1801615	Employability	R18UG
	Internship	1801616	Activites	R18UG
	Linear Algebra and Calculus	2021101	Skill development	R20UG
	Engineering Physics	20EP102	Skill development	R20UG
	Communicative English	2024103	Skill development	R20UG
	Basic Electrical & Electronics Engineering	2014104	Skill development	R20UG
	Engineering Drawing	2003105	Skill development	R20UG
	Engineering Drawing Lab	2003106	Skill development	R20UG
	Engineering Physics Lab	20EP107	Skill development	R20UG
	Communicative English Lab	2024108	Skill development	R20UG
	Basic Electrical & Electronics Engineering Lab	2014109	Skill development	R20UG
	Differential Equations and Vector Calculus	2021201	Skill development	R20UG
	Engineering Chemistry	20EC202	Skill development	R20UG
	C-Programming & Data Structures	2005203	Skill development	R20UG
	Strength of Materials	2001204	Skill development	R20UG
	Engineering Workshop	20EW205	Skill development	R20UG
	IT Workshop	2005206	Skill development	R20UG
	Engineering Chemistry Lab	20EC207	Skill development	R20UG
	C-Programming & Data Structures Lab	2005208	Skill development	R20UG

	Strength of Materials Lab	2001209	Skill development	R20UG
	Environmental Science	20MC210	Skill development	R20UG
M.Tech GTE	Advanced Soil Mechanics	1851101	Skill development	R18PG
	Advanced Foundation Engineering	1851102	Employability	R18PG
	Soil Structure Interaction	1851103	Employability	R18PG
	Ground Improvement Techniques	1851104	Skill development	R18PG
	Pavement Analysis and Design	1851105	Employability	R18PG
	FEM in Geo-Mechanics	1851106	Employability	R18PG
	Environmental Geo-Technology	1851107	Skill development	R18PG
	Critical Soil Mechanics	1851108	Skill development	R18PG
	Research Methodology & IPR	1851109	Skill development	R18PG
	Soil Mechanics – 1 Laboratory	1851110	Skill development	R18PG
	Soil Mechanics – 2 Laboratory	1851111	Skill development	R18PG
	Dynamics of Soil and Foundations	1851201	Employability	R18PG
	Subsurface Investigations and Instrumentation	1851202	Entrepreneurship	R18PG
	Offshore Geo-Technical Engineering	1851203	Employability	R18PG
	Computational Geo-Mechanics	1851204	Employability	R18PG
	Engineering Rock Mechanics	1851205	Skill development	R18PG
	Earth Retaining Structures	1851206	Employability	R18PG
	Design of Underground Excavations	1851207	Employability	R18PG
	Physical and Constitutive Modeling on Geo-Mechanics	1851208	Skill development	R18PG
	Mini-Project	1851209	Skill development	R18PG
	Sub Soil Exploration Laboratory	1851210	Entrepreneurship	R18PG
	Geo-Technical Engineering Modeling Laboratory	1851211	Skill development	R18PG
	English for Research Paper Writing	1870A01	Skill development	R18PG

	Disaster Management	1870A02	Skill development	R18PG
	Sanskrit for Technical Knowledge	1870A03	Skill development	R18PG
	Value Education	1870A04	Skill development	R18PG
	Constitution of India	1870A05	Skill development	R18PG
	Pedagogy Studies	1870A06	Skill development	R18PG
	Stress Management by Yoga	1870A07	Skill development	R18PG
	Personality Development through Life Enlightenment Skills	1870A08	Skill development	R18PG
	Stability Analysis of Slopes	1851301	Employability	R18PG
	Foundation on Weak Rocks	1851302	Skill development	R18PG
	Geo-Technical Earthquake Engineering	1851303	Skill development	R18PG
	Dissertation Stage – 1	1851310	Skill development	R18PG
	Business Analytics	1871304	Skill development	R18PG
	Industrial Safety	1871305	Skill development	R18PG
	Operations Research	1871306	Skill development	R18PG
	Cost Management of Engineering Projects	1871307	Skill development	R18PG
	Composite Materials	1871308	Skill development	R18PG
	Waste to Energy	1871309	Skill development	R18PG
	Dissertation Final Stage	1851401	Skill development	R18PG
B.Tech-EEE				R20UG
	Linear Algebra and Calculus	2021101	Skill development	R20UG
	Applied Physics	20AP102	Skill development	R20UG
	Communicative English	2024103	Skill development	R20UG
	C-Programming & Data Structures	2005103	Employability	R20UG
	Engineering Drawing	2003105	Skill development	R20UG
	Engineering Drawing Lab	2003106	Skill development	R20UG
	Applied Physics Lab	20AP107	Skill development	R20UG

Communicative English Lab	2024108	Skill development	R20UG
C-Programming & Data Structures Lab	2005108	Skill development	R20UG
Differential Equations & Vector Calculus	2021201	Skill development	R20UG
Chemistry	2023202	Skill development	R20UG
Electrical Circuits Analysis-I	2002203	Skill development	R20UG
Electronic Devices & Circuits	2004204	Skill development	R20UG
Engineering Workshop	20EW205	Skill development	R20UG
IT Workshop	2005206	Skill development	R20UG
Chemistry Lab	2023207	Skill development	R20UG
Electrical Circuits Analysis-I Lab	2002208	Skill development	R20UG
Electronic Devices & Circuits Lab	2004209	Skill development	R20UG
Environmental Science	20MC210	Skill development	R20UG
Biology for Engineers	1823301	Skill development	R18UG
Electronics Devices & Circuits	1814302	Skill development	R18UG
Electrical Circuit Analysis	1802303	Employability	R18UG
Electromagnetic Fields	1802304	Skill development	R18UG
Electrical Machines - I	1802305	Skill development	R18UG
Power Systems - I	1802306	Employability	R18UG
Electrical Circuit Analysis Lab	1802307	Entrepreneurship	R18UG
Electronics Devices & Circuits Lab	1814308	Skill development	R18UG
Soft Skills Lab	1824309	Skill development	R18UG
Mathematics - III	1821401	Skill development	R18UG
Digital System Design	1814402	Skill development	R18UG
Electrical Measurements	1802403	Skill development	R18UG
Control Systems	1802404	Skill development	R18UG
Electrical Machines - II	1802405	Skill development	R18UG
Power Systems - II	1802406	Skill development	R18UG

Electrical Measurements Lab	1802407	Skill development	R18UG
Electrical Machines - I Lab	1802408	Skill development	R18UG
Python Programming Lab	1805409	Skill development	R18UG
Environmental Science	18994M1	Skill development	R18UG
Microprocessors & Microcontrollers	1804501	Skill development	R18UG
Linear Digital IC Applications	1814502	Skill development	R18UG
Power Electronics	1802503	Skill development	R18UG
Power System Operation & Control	1802504	Employability	R18UG
Energy Auditing & Demand Side Management	1802505	Skill development	R18UG
Electrical Machine Design	1802506	Skill development	R18UG
Advanced Control Systems	1802507	Skill development	R18UG
Instrumentation	1802508	Skill development	R18UG
Energy Conversion Systems	1802509	Skill development	R18UG
Electrical Machines - II Lab	1802510	Skill development	R18UG
Control Systems & Simulation Lab	1802511	Skill development	R18UG
Advanced English Communication Lab	1824512	Skill development	R18UG
Socially Relevant Projects	1802513	Skill development	R18UG
Management Science	1824601	Skill development	R18UG
Power Semiconductor Drives	1802602	Skill development	R18UG
Switchgear & Protection	1802603	Skill development	R18UG
Power System Deregulation	1802604	Skill development	R18UG
High Voltage DC Transmission	1802605	Skill development	R18UG
PLC & its Applications	1802606	Skill development	R18UG
Signals & Systems	1802607	Skill development	R18UG
Electric & Hybrid Vehicles	1802608	Skill development	R18UG
Fundamentals of Control Systems	18OE201	Skill development	R18UG

	MATLAB Programming	18OE202	Skill development	R18UG
	Power Electronics & Simulation Lab	1802612	Skill development	R18UG
	Power Systems - I Lab	1802613	Skill development	R18UG
	Internet of Things Lab	1802614	Skill development	R18UG
	Internship	1802615	Skill development	R18UG
	Constitution of India	18996M2	Skill development	R18UG
	Management Science	1525701	Skill development	R15UG
	Advanced Control Systems	1502702	Skill development	R15UG
	HVDC Transmission	1502703	Skill development	R15UG
	Switch Gear & Protection	1502704	Skill development	R15UG
	Electrical Distribution Systems	1502705	Skill development	R15UG
	High Voltage Engineering	1502706	Skill development	R15UG
	Power Quality	1502707	Skill development	R15UG
	Switch Mode Power Converters	1502708	Skill development	R15UG
	Micro Processors & Micro Controllers Lab	1514709	Skill development	R15UG
	Power Systems Simulation Lab	1502710	Skill development	R15UG
	Utilization of Electrical Power	1502801	Skill development	R15UG
	FACTS	1502802	Skill development	R15UG
	Electrical Machine Design	1502803	Skill development	R15UG
	Special Electrical Machines	1502804	Skill development	R15UG
	Energy Auditing and Demand Side Management	1502805	Entrepreneurship	R15UG
	Reliability Engineering & Applications to Power Systems	1502806	Skill development	R15UG
	Seminar	1502807	Skill development	R15UG
	Project Work	1502808	Skill development	R15UG
B.Tech-ME				

Linear Algebra and Calculus	2021101	Skill Development	R20UG
Chemistry	2023102	Skill Development	R20UG
C-Programming & Data Structures	2005103	Employability	R20UG
Basic Electrical & Electronics Engineering	2014104	Employability	R20UG
Engineering Workshop	20EW105	Employability	R20UG
IT Workshop	2005106	Employability	R20UG
Chemistry Lab	2023107	Skill Development	R20UG
C-Programming & Data Structures Lab	2005108	Skill development	R20UG
Basic Electrical & Electronics Engineering Lab	2014109	Employability	R20UG
Differential Equations and Vector calculus	2021201	Skill Development	R20UG
Applied Physics	20AP202	Skill Development	R20UG
Communicative English	2024203	Skill Development	R20UG
Material Science	2005204	Employability	R20UG
Engineering Drawing	2003205	Skill Development	R20UG
Engineering Drawing Lab	2003206	Skill Development	R20UG
Applied Physics Lab	20AP207	Skill Development	R20UG
Communicative English Lab	2024208	Skill Development	R20UG
Material Science Lab	2005209	Employability	R20UG
Universal Human Values	20MC211	Skill Development	R20UG
Biology for Engineers	1823301	Employability	R18UG
Numerical Methods & Probability Statistics	1823302	Employability	R18UG
Engineering Mechanics	1823303	Employability	R18UG
Manufacturing Process	1823304	Employability	R18UG
Strength of Material	1823305	Employability	R18UG

Material Science and Engineering	1823306	Employability		R18UG
Thermodynamics	1823307	Employability		R18UG
Material Science Mechanics of solid Lab	1823308	Employability		R18UG
Manufacturing Technology Lab	1823309	Employability		R18UG
Applied Thermodynamics	1803401	Employability		R18UG
Fluid Mechanics &Fluid Machinery	1803402	Employability		R18UG
Kinematics of Machinery	1803403	Employability		R18UG
Basic Electronic Engineering	1814404	Employability		R18UG
Instrumentation and control systems	1803405	Employability		R18UG
Computer Aided Machine Drawing	1803406	Employability		R18UG
Basic Electronics & MOF Lab	1803407	Skill development		R18UG
Environmental Science	18994M1	Skill development		R18UG
Seminar/Industrial Training	1803408	Skill development		R18UG
Advanced English communication Lab	1824409	Skill development		R18UG
Heat Transfer	1803501	Employability		R18UG
DME -I	1803502	Employability		R18UG
Metrology	1803503	Employability		R18UG
Dyanamics of Machinery	1803504	Employability		R18UG
Managerial Economics	1803505	Employability		R18UG
Automobile Engineering	1803506	Employability		R18UG
Mechanical Behavior of metals	1803507	Skill development		R18UG
Renewable enable Energy technologies	1803508	Skill development		R18UG
Supply Chain Management	1803509	Skill development		R18UG
Manufacturing Methods in Precision Engineering	1803510	Skill development		R18UG

Design of Manufacturing	1803511	Employability	R18UG
Additive Manufacturing	1803512	Employability	R18UG
Machanical Engg Lab) Thermal Engineering)	1803513	Employability	R18UG
Mechanical Engg Lab II (CAD CAM Lab)	1803514	Employability	R18UG
Socially relevant project	1803515	Employability	R18UG
Machine Tools	1803601	Employability	R18UG
DME-II	1803602	Employability	R18UG
Operations Research	1803603	Employability	R18UG
Power Plant Engineering	1803604	Employability	R18UG
Gas turbines and jet propulsion systems(PEC-II)	1803605	Employability	R18UG
Computer aided porcess planning(PEC-II)	1803606	Skill development	R18UG
Concurrent Engineering(PEC-II)	1803607	Skill development	R18UG
Introduction to Artifical Intelligence & Expert systems (PEC-II)	1803608	Skill development	R18UG
Virtual Reality systems(PEC-II)	1803609	Skill development	R18UG
Autotronics (PEC-II)	1803610	Skill development	R18UG
Energy systems engineering (OEC-I)	1803611	Employability	R18UG
Robotics and application in manufacturing (OEC-I)	1803612	Employability	R18UG
Machine Tools Lab	1803613	Employability	R18UG
Heat Transfer Lab	1803614	Employability	R18UG
Intership	1803615	Employability	R18UG
Organizational Behavior	1825616	Employability	R18UG
Professional Ethics and soft skills	1824617	Employability	R18UG

Introduction to Artifical Intelligence & Expert systems (PEC-II)	1803608	Employability	R18UG
Virtual Reality systems(PEC-II)	1803609	Employability	R18UG
Autotronics (PEC-II)	1803610	Employability	R18UG
Energy systems engineering (OEC-I)	1803611	Skill development	R18UG
Robotics and application in manufacturing (OEC-I)	1803612	Skill development	R18UG
Machine Tools Lab	1803613	Skill development	R18UG
Heat Transfer Lab	1803614	Skill development	R18UG
Internship	1803615	Skill development	R18UG
Organizational Behavior	1825616	Skill development	R18UG
Professional Ethics and soft skills	1824617	Skill development	R18UG
CAD/CAM	1803701	Employability	R18UG
Finite Element Methods (FEM)	1803702	Skill development	R18UG
Quality Engineering Management	1803703	Skill development	R18UG
Production And Operations Management	1803704	Skill development	R18UG
Rapid Prototyping	1803705	Skill development	R18UG
Mechatronics	1803706	Skill development	R18UG
Flexible Manufacturing Systems	1803707	Employability	R18UG
Computer Graphics	1803708	Employability	R18UG
Industrial Safety	1803709	Employability	R18UG
Industrial Safety & Management	18OE303	Employability	R18UG
Smart Materials	18OE304	Employability	R18UG
Quantitative Analysis For Business decisions	18OE305	Employability	R18UG
Entrepreneurship	18OE306	Entrepreneurship	R18UG
Metrology Lab	1803714	Employability	R18UG

	Instrumentation And Control Systems Lab	1803715	Employability	R18UG
	Minor Project	1803716	Employability	R18UG
	Introduction To ANSYS	1803717	Employability	R18UG
	Refrigeration And Air Conditioning	1803801	Employability	R18UG
	Modern Manufacturing Methods	1803802	Employability	R18UG
	Composite And Nano Materials	1803803	Employability	R18UG
	Introduction To Expert Systems	1803804	Employability	R18UG
	Computer Aided Process Planning	1803805	Employability	R18UG
	Reliability In Engineering	1803806	Employability	R18UG
	Total Quality Management	1803807	Employability	R18UG
	Introduction To IC Engines	1803808	Employability	R18UG
	Major Project	1803813	Skill development	R18UG
	Seminar-II	1803814	Skill development	R18UG
	Advanced Mathematics	1825101	Employability	R18PG
	Advanced Thermodynamics and Fluid Mechanics	1899102	Employability	R18PG
	Introduction to Renewable Energy systems	1899103	Employability	R18PG
	Measurement and Control For Energy Systems	1899104	Employability	R18PG
M.Tech CAD/CAM	Solar Energy Technologies	1899105	Employability	R18PG
	Power Generation, Distribution and Transmission	1899106	Employability	R18PG
	Bio-Energy and Biofuels	1899107	Employability	R18PG
	Advanced Power Plant Engineering	1899108	Employability	R18PG
	Solar Refrigeration and Air Conditioning	1899109	Employability	R18PG

	Research Methodology & IPR	1899110	Employability	R18PG
	Seminar/Industrial Visit	1899111	Employability	R18PG
	Constitution of India	1870A05	Skill development	R18PG
	Energy Audit and Management	1899201	Skill development	R18PG
	Computational Fluid Dynamics	1899202	Employability	R18PG
	Hydrogen and Fuel Cell Technologies	1899203	Employability	R18PG
	Wind Energy Technology	1899204	Employability	R18PG
	Process Modeling and Simulation in Renewable Energy Systems	1899205	Employability	R18PG
	Energy Storage Technology	1899206	Employability	R18PG
	Energy Conservation by Waste Heat Recovery	1899207	Employability	R18PG
	Developing Energy Efficiency and Renewable Energy Projects	1899208	Employability	R18PG
	Mini-project	1899209	Skill development	R18PG
	Energy Laboratory	1899210	Skill development	R18PG
	English for Research paper writing	1870A01	Skill development	R18PG
	Fuels and Combustion Technology	1899301	Employability	R18PG
	Environmental Engineering and Pollution Control	1899302	Employability	R18PG
	Economics and Financing of Renewable Energy Systems	1899303	Employability	R18PG
	Renewable Energy Grid Integration	1899304	Employability	R18PG
	Electric Vehicle Technology	1899305	Employability	R18PG
	Power Electronic for Renewable Energy Systems	1899306	Employability	R18PG
	Advanced IC Engines	1899307	Employability	R18PG

		Biomass Characterization and Management	1899308	Employability	R18PG
		Dissertation Phase-I	1899309	Skill development	R18PG
		Dissertation Phase-II	1899401	Skill development	R18PG
		Linear Algebra and Calculus	2021101	Skill development	R20UG
		Applied Physics	20AP102	Employability	R20UG
		Communicative English	2024103	Skill development	R20UG
		Fundamentals of Electrical Engineering	2002104	Skill development	R20UG
		Engineering Drawing	2003105	Skill development	R20UG
		Engineering Drawing Lab	2003106	Skill development	R20UG
		Applied Physics Lab	20AP107	Employability	R20UG
		Communicative English Lab	2024108	Skill development	R20UG
		Fundamentals of Electrical Engineering Lab	2002109	Employability	R20UG
B.Tech-ECE		Differential Equations and Vector Calculus	2021201	Skill development	R20UG
		Chemistry	2023202	Skill development	R20UG
		C-Programming & Data Structures	2005203	Employability	R20UG
		Electronic Devices & Circuits	2004204	Employability	R20UG
		Engineering Workshop	20EW205	Skill development	R20UG
		IT Workshop	2005206	Employability	R20UG
		Chemistry Lab	2023207	Employability	R20UG
		C-Programming & Data Structures Lab	2005208	Employability	R20UG
		Electronic Devices & Circuits Lab	2004209	Employability	R20UG
		Environmental Science	20MC210	Skill development	R20UG
		Embedded Systems	1804601	Employability	R18UG
		Digital Communication	1804602	Employability	R18UG

Microwave Engineering	1804603	Employability	R18UG
Fiber-Optic Communication	1804604	Employability	R18UG
Data structures and Algorithms	1804605	Employability	R18UG
Digital Signal Processors & Architectures	1804606	Employability	R18UG
Analog IC Design	1804607	Employability	R18UG
Introduction to MEMS	1804608	Employability	R18UG
Analog and digital communication Lab	1804609	Employability	R18UG
Digital Signal Processing Lab	1804610	Employability	R18UG
Micro Wave &Optical Communication Lab	1804611	Employability	R18UG
Organizational Behaviour	18996M1	Enterpreneurship	R18UG
Internship	1804613	Skill development	R18UG
Microprocessors & Microcontrollers	1804501	Employability	R18UG
Digital Signal Processing	1804502	Employability	R18UG
Computer Organization	1804503	Skill development	R18UG
Analog Communication	1804504	Skill development	R18UG
Digital IC Applications	1804505	Employability	R18UG
Antennas and Wave Propagation	1804506	Employability	R18UG
Microprocessors & Microcontrollers Lab	1804507	Employability	R18UG
Analog and Digital IC Lab	1804508	Employability	R18UG
Socially Relevant Project	1804509	Skill development	R18UG
Biology for Engineers	1823401	Skill development	R18UG
Probability Theory and Stochastic Processes	1804402	Employability	R18UG
Analog and Digital Circuits	1804403	Employability	R18UG
Control Systems	1804404	Skill development	R18UG

Linear IC Applications	1804405	Employability	R18UG
Electromagnetic Theory and Transmission lines	1804406	Employability	R18UG
LABVIEW Programming Lab	1804407	Employability	R18UG
Analog and Digital Circuits Lab	1804408	Employability	R18UG
Mathematics – III	1821301	Skill development	R18UG
Managerial Economics and Financial Analysis	1825307	Entrepreneurship	R18UG
Electronic Devices and Circuits	1804303	Employability	R18UG
Digital System Design	1804304	Employability	R18UG
Signals And Systems	1804305	Employability	R18UG
Network Theory	1804306	Skill development	R18UG
Python Programming	1805307	Employability	R18UG
Electronic Devices and Circuits Lab	1804308	Employability	R18UG
Environmental Science	18993M1	Skill development	R18UG
Embedded Real Time Operating Systems	1504706	Employability	R15UG
Neural networks and Fuzzy Logic	1504707	Skill development	R15UG
Data Communications	1504708	Skill development	R15UG
Microwave & Optical Communications Lab	1504709	Employability	R15UG
VLSI Lab	1504710	Employability	R15UG
Cellular & Mobile Communications	1504801	Skill development	R15UG
Satellite Communications	1504802	Employability	R15UG
RADAR Systems	1504803	Employability	R15UG
Speech Processing	1504804	Employability	R15UG
OOPS through Java Programming	1504805	Employability	R15UG
Data Acquisition Systems	1504806	Skill development	R15UG

	Spread Spectrum Communications	1504807	Employability	R15UG
	Biomedical Instrumentation	1504808	Employability	R15UG
	Analog & Digital CMOS VLSI Design	1854103	Employability	R18PG
	Low power VLSI	1854104	Employability	R18PG
	SoC Design	1854105	Employability	R18PG
	Advanced Communication Networks	1854108	Skill development	R18PG
	Research Methodology & IPR	1800109	Entrepreneurship	R18PG
	DSD Lab	1854110	Employability	R18PG
	DCT Lab	1854111	Employability	R18PG
	Disaster Management	1870A02	Skill development	R18PG
	Microcontrollers & Programmable DSP Processors	1854201	Employability	R18PG
	IOT & Applications	1854204	Employability	R18PG
	VLSI Signal Processing	1854205	Employability	R18PG
M.Tech DECS	Optical Networks	1854207	Skill development	R18PG
	Biomedical Signal Processing	1854208	Employability	R18PG
	Microcontrollers and Programmable DSP Processors Lab	1854210	Employability	R18PG
	Advanced DSP Lab	1854211	Employability	R18PG
	Microcomputer System Design	1854301	Employability	R18PG
	Joint Time Frequency Analysis & MRA	1854302	Skill development	R18PG
	Pattern Recognition & Machine learning	1854303	Employability	R18PG
	Business Analytics	1871304	Enterpreneurship	R18PG
	Operation Research	1871305	Enterpreneurship	R18PG
	Cost Management of Engineering Projects	1871307	Skill development	R18PG
	Waste to Energy	1871309	Skill development	R18PG
	Joint Time Frequency Analysis & MRA	1854302	Employability	R18PG

	Pattern recognition & Machine learning	1854303	Employability	R18PG
	Dissertation Phase -I	1854310	Skill development	R18PG
	Dissertation Phase II	1854401	Skill development	R18PG
B.Tech-CSE				
	Linear Algebra and Calculus	2021101	Skill Development	R20UG
	Chemistry	2023102	Skill Development	R20UG
	C-Programming & Data Structure	2005103	Employability	R20UG
	Basic Electrical & Electronics Engineering	2014104	Skill Development	R20UG
	Engineering Workshop	20EW105	Skill Development	R20UG
	IT Workshop	2005106	Skill Development	R20UG
	Chemistry Lab	2023107	Skill Development	R20UG
	C-Programming & Data Structures Lab	2005108	Skill development	R20UG
	Basic Electrical & Electronics Engineering Lab	2014109	Skill Development	R20UG
	Differential Equations & Vector Calculus	2021201	Skill Development	R20UG
	Applied Physics	20AP202	Skill Development	R20UG
	Communicative English	2024203	Skill Development	R20UG
	Python Programming	2005204	Employability	R20UG
	Engineering Drawing	2003205	Skill Development	R20UG
	Engineering Drawing Lab	2003206	Skill Development	R20UG
	Applied Physics Lab	20AP207	Skill Development	R20UG
	Communicative English Lab	2024208	Skill Development	R20UG
	Python Programming Lab	2005209	Employability	R20UG
	Environmental Science	20MC210	Skill Development	R20UG
	Environmental Science(Mandatory course - 1)	18993M1	Skill Development	R18UG

Basics of Electronics Engineering	1804302	Skill Development	R18UG
Data structures	1805303	Employability	R18UG
Discrete Mathematics	1805304	Skill Development	R18UG
Digital Logic Design	1805305	Skill Development	R18UG
Python Programming	1805306	Employability	R18UG
Managerial Economics & Financial Accounting((Humanities-1))	1825307	Entrepreneurship	R18UG
Basics of Electronics Engineering Lab	1804311	Skill Development	R18UG
Data structures Lab	1805309	Employability	R18UG
Python Programming Lab	1805310	Employability	R18UG
Biology for Engineering	1823401	Skill Development	R18UG
Probability & Statistics	1821402	Skill Development	R18UG
Computer Organization	1805403	Skill Development	R18UG
Operating Systems	1805404	Employability	R18UG
Design and Analysis of Algorithms	1805405	Skill Development	R18UG
Java Programming	1805406	Employability	R18UG
Formal Language and Automata Theory	1805407	Skill Development	R18UG
Java Programming Lab	1805408	Employability	R18UG
Operating Systems Lab	1805410	Employability	R18UG
Web Technologies	1805501	Entrepreneurship	R18UG
Data Base Management Systems	1805502	Employability	R18UG
Computer Networks	1805503	Employability	R18UG
Software Engineering	1805504	Employability	R18UG
Human Computer Interation	1805505	Skill Development	R18UG
Multimedia Systems	1805506	Employability	R18UG
Distributed Systems	1805507	Skill Development	R18UG
Compiler Design	1805508	Employability	R18UG
Constitution of India(Mandatory	1825509	Skill Development	R18UG

Course)			
Databases Lab	1805510	Employability	R18UG
Web Technologies Lab	1805511	Entrepreneurship	R18UG
Advanced English & Communication Skills Lab	1805512	Skill Development	R18UG
Internet of Things	1805601	Employability	R18UG
Data Mining	1805602	Employability	R18UG
Artificial Intelligence(PE2)	1805603	Employability	R18UG
Software Testing(PE2)	1805604	Employability	R18UG
Mobile Adhoc Networks(PE2)	1805605	Skill Development	R18UG
Data Structures(OE1)	180E501	Employability	R18UG
Data Base Management Systems(OE1)	180E502	Employability	R18UG
Management Science	1825609	Entrepreneurship	R18UG
Mobile Application Development	1805608	Employability	R18UG
IOT Lab	1805609	Employability	R18UG
Mobile Application Development Lab	1805610	Employability	R18UG
Big Data Technologies	1505701	Employability	R15UG
Cloud Computing	1505702	Employability	R15UG
Artificial Intelligence	1505703	Employability	R15UG
Software Testing	1505704	Employability	R15UG
Computer Graphics	1505705	Employability	R15UG
Mobile Computing	1505706	Employability	R15UG
Natural Language Processing	1505707	Skill Development	R15UG
Internet of Things	1505708	Employability	R15UG
Software Testing and Case Tools Lab	1505709	Employability	R15UG
Internet of Things Lab	1505710	Employability	R15UG
Software Project Management	1505801	Skill Development	R15UG
Ethical Hacking	1505802	Employability	R15UG

	Course	Code	Category	Regulation
	Management Science	1505803	Entrepreneurship	R15UG
	Digital Image Processing	1505804	Employability	R15UG
	Social Networks Mining & Analysis	1505805	Employability	R15UG
	Soft Computing	1505806	Employability	R15UG
	Technical Seminar	1505807	Skill Development	R15UG
	Project Work	1505808	Skill Development	R15UG
	Mathematical foundations of Computer Science	1855101	Skill Development	R18PG
	Advanced Data Structures	1855102	Skill Development	R18PG
	Machine Learning	1855103	Employability	R18PG
	Wireless Sensor Networks	1855104	Skill Development	R18PG
	Introduction to Intelligent Systems	1855105	Skill Development	R18PG
	Data Science	1855106	Skill Development	R18PG
	Distributed Systems	1855107	Skill Development	R18PG
	Advanced Wireless and Mobile Networks	1855108	Skill Development	R18PG
M.Tech CSE	Research Methodology and IPR	1800109	Skill Development	R18PG
	Audit Course-I	1870AXX	Skill Development	R18PG
	Advanced Data Structures Lab	1855110	Skill Development	R18PG
	Software Lab-I	1855111	Employability	R18PG
	Mobile Applications and Services	1855201	Employability	R18PG
	Human Computer Interaction	1855202	Skill Development	R18PG
	Internet of Things	1855203	Skill Development	R18PG
	Data Preparation and Analysis	1855204	Skill Development	R18PG
	Computer Vision	1855205	Skill Development	R18PG
	Cloud Computing	1855206	Employability	R18PG
	Soft Computing	1855207	Skill Development	R18PG
	Digital Forensics	1855208	Skill Development	R18PG

	Audit Course-II	1870AXX	Skill Development	R18PG
	Mobile Applications and Services Lab	1855210	Employability	R18PG
	Software Lab-II	1855211	Skill Development	R18PG
	Mini Project with Seminar	1855209	Skill Development	R18PG
	Big Data Analytics	1855301	Skill Development	R18PG
	Compiler for High Performance Computing	1855302	Skill Development	R18PG
	Advanced Algorithms	1855303	Skill Development	R18PG
	Open Elective	18713XX	Skill Development	R18PG
	Dissertation-I	1855310	Skill Development	R18PG
	Dissertation-II	1855401	Skill Development	R18PG

List of Employability/ Entrepreneurship/ Skill development courses offered in AY 2019-20

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/	Regulations

			Entrepreneurship/ Skill development	
B.Tech-CE	Mathematics – 1	1821101	Skill development	R18UG
	Engineering Chemistry	1823102	Skill development	R18UG
	English	1824103	Skill development	R18UG
	Programming for Problem Solving	1805104	Skill development	R18UG
	Chemistry Lab	1823107	Skill development	R18UG
	Programming for Problem Solving Lab	1805108	Skill development	R18UG
	English Lab	1824109	Skill development	R18UG
	Mathematics – 2	1821201	Skill development	R18UG
	Engineering Physics	1822204	Skill development	R18UG
	Basic Electrical Engineering	1802205	Skill development	R18UG
	Engineering Graphics and Design	1803207	Skill development	R18UG
	Engineering Physics Lab	1822208	Skill development	R18UG
	Basic Electrical Engineering Lab	1802209	Skill development	R18UG
	Workshop and Manufacturing Practice	1803211	Skill development	R18UG
	Biology for Engineers	1823301	Skill development	R18UG
	Numerical Methods, Probability & Statistics	1821302	Skill development	R18UG
	Basic Mechanical Engineering	1803303	Skill development	R18UG
	Engineering Mechanics	1801304	Skill development	R18UG
	Surveying and Geomatics	1801305	Skill development	R18UG
	Building Materials and Construction	1801306	Skill development	R18UG
	Computer Aided Civil Engineering Drawing Lab	1801307	Employability	R18UG
	Surveying and Geomatics Lab	1801308	Skill development	R18UG
	Civil Engineering Workshop	1801309	Skill development	R18UG

	Managerial Economics & Financial Analysis	1825401	Skill development	R18UG
	Effective Technical Communication	1824402	Skill development	R18UG
	Solid Mechanics – 1	1801405	Skill development	R18UG
	Disaster Preparedness & Planning Management	1801406	Skill development	R18UG
	Engineering Geology Lab	1801407	Skill development	R18UG
	Fluid Mechanics Lab	1801408	Skill development	R18UG
	Solid Mechanics Lab	1801409	Skill development	R18UG
	Mechanics of Materials - 2	1501501	Skill development	R15UG
	Geo-Technical Engineering - 2	1501502	Skill development	R15UG
	Hydrology	1501503	Skill development	R15UG
	Concrete Technology	1501504	Skill development	R15UG
	Water Supply Engineering	1501505	Skill development	R15UG
	Introduction to Java Programming	1501506	Skill development	R15UG
	Operation Research	1501507	Skill development	R15UG
	Entrepreneurship	1501508	Entrepreneurship	R15UG
	Strength of Materials Laboratory	1501509	Skill development	R15UG
	Geo-Technical Engineering Laboratory	1501510	Employability	R15UG
	Managerial Economics & Financial Analysis	1525601	Skill development	R15UG
	Structural Analysis – 1	1501602	Skill development	R15UG
	Design & Detailing of Reinforced Concrete Structures – 1	1501603	Employability	R15UG
	Water Resources Engineering – 1	1501604	Skill development	R15UG
	Transportation Engineering - 1	1501605	Skill development	R15UG
	Remote Sensing and GIS	1501606	Skill development	R15UG
	Watershed and River Basin	1501607	Skill development	R15UG

	Management			
	Civil Engineering Professional Practice	1501608	Skill development	R15UG
	Environmental Engineering Laboratory	1501609	Employability	R15UG
	Computer Aided Building Drawing Lab	1501610	Entrepreneurship	R15UG
	Structural Analysis – 2	1501701	Skill development	R15UG
	Design & Detailing of Reinforced Concrete Structures – 2	1501702	Employability	R15UG
	Design & Detailing of Steel Structures	1501703	Employability	R15UG
	Transportation Engineering - 2	1501704	Skill development	R15UG
	Water Resources Engineering – 2	1501705	Skill development	R15UG
	Pre-stressed Concrete	1501706	Employability	R15UG
	Advanced Foundation Engineering	1501707	Employability	R15UG
	Construction Planning & Management	1501708	Skill development	R15UG
	Concrete & Highway Materials Laboratory	1501709	Skill development	R15UG
	CADD Lab	1501710	Employability	R15UG
	Sanitary Engineering	1501801	Skill development	R15UG
	Design & Drawing of Irrigation Structures	1501802	Employability	R15UG
	Quantity Surveying and Valuation	1501803	Entrepreneurship	R15UG
	Finite Element Methods	1501804	Skill development	R15UG
	Environmental Impact Assessment	1501805	Skill development	R15UG
	Bridge Engineering	1501806	Skill development	R15UG
	Seminar	1501807	Skill development	R15UG
	Project Work	1501808	Skill development	R15UG
M.Tech GTE	Advanced Soil Mechanics	1851101	Skill development	R18PG
	Advanced Foundation Engineering	1851102	Employability	R18PG
	Soil Structure Interaction	1851103	Employability	R18PG

Ground Improvement Techniques	1851104	Skill development	R18PG
Pavement Analysis and Design	1851105	Employability	R18PG
FEM in Geo-Mechanics	1851106	Employability	R18PG
Environmental Geo-Technology	1851107	Skill development	R18PG
Critical Soil Mechanics	1851108	Skill development	R18PG
Research Methodology & IPR	1851109	Skill development	R18PG
Soil Mechanics – 1 Laboratory	1851110	Skill development	R18PG
Soil Mechanics – 2 Laboratory	1851111	Skill development	R18PG
Dynamics of Soil and Foundations	1851201	Employability	R18PG
Subsurface Investigations and Instrumentation	1851202	Entrepreneurship	R18PG
Offshore Geo-Technical Engineering	1851203	Employability	R18PG
Computational Geo-Mechanics	1851204	Employability	R18PG
Engineering Rock Mechanics	1851205	Skill development	R18PG
Earth Retaining Structures	1851206	Employability	R18PG
Design of Underground Excavations	1851207	Employability	R18PG
Physical and Constitutive Modeling on Geo-Mechanics	1851208	Skill development	R18PG
Mini-Project	1851209	Skill development	R18PG
Sub Soil Exploration Laboratory	1851210	Entrepreneurship	R18PG
Geo-Technical Engineering Modeling Laboratory	1851211	Skill development	R18PG
English for Research Paper Writing	1870A01	Skill development	R18PG
Disaster Management	1870A02	Skill development	R18PG
Sanskrit for Technical Knowledge	1870A03	Skill development	R18PG
Value Education	1870A04	Skill development	R18PG
Constitution of India	1870A05	Skill development	R18PG
Pedagogy Studies	1870A06	Skill development	R18PG

	Stress Management by Yoga	1870A07	Skill development	R18PG
	Personality Development through Life Enlightenment Skills	1870A08	Skill development	R18PG
	Stability Analysis of Slopes	1851301	Employability	R18PG
	Foundation on Weak Rocks	1851302	Skill development	R18PG
	Geo-Technical Earthquake Engineering	1851303	Skill development	R18PG
	Dissertation Stage – 1	1851310	Skill development	R18PG
	Business Analytics	1871304	Skill development	R18PG
	Industrial Safety	1871305	Skill development	R18PG
	Operations Research	1871306	Skill development	R18PG
	Cost Management of Engineering Projects	1871307	Skill development	R18PG
	Composite Materials	1871308	Skill development	R18PG
	Waste to Energy	1871309	Skill development	R18PG
	Dissertation Final Stage	1851401	Skill development	R18PG
B.Tech-EEE				
	Mathematics-I	1821101	Skill development	R18UG
	Engineering Chemistry	1823102	Skill development	R18UG
	English	1824103	Skill Development	R18UG
	Programming for Problem Solving	1805104	Skill development	R18UG
	Chemistry Lab	1823107	Skill development	R18UG
	Programming for Problem Solving Lab	1805108	Skill development	R18UG
	English Lab	1824109	Skill development	R18UG
	Mathematics-II	1821201	Skill development	R18UG
	Engineering Physics	1822203	Skill development	R18UG
	Basic Electrical Engineering	1802206	Skill development	R18UG
	Engineering Graphics & Design	1803207	Skill development	R18UG
	Engineering Physics Lab	1822208	Skill development	R18UG

Basic Electrical Engineering Lab	1802210	Skill development		R18UG
Workshop on Manufacturing Practices	1803211	Skill development		R18UG
Biology for Engineers	1823301	Skill development		R18UG
Electronics Devices & Circuits	1814302	Skill development		R18UG
Electrical Circuit Analysis	1802303	Skill development		R18UG
Electromagnetic Fields	1802304	Skill development		R18UG
Electrical Machines - I	1802305	Skill development		R18UG
Power Systems - I	1802306	Skill development		R18UG
Electrical Circuit Analysis Lab	1802307	Skill development		R18UG
Electronics Devices & Circuits Lab	1814308	Skill development		R18UG
Soft Skills Lab	1824309	Employability		R18UG
Mathematics - III	1821401	Skill development		R18UG
Digital System Design	1814402	Skill development		R18UG
Electrical Measurements	1802403	Skill development		R18UG
Control Systems	1802404	Skill development		R18UG
Electrical Machines - II	1802405	Skill development		R18UG
Power Systems - II	1802406	Skill development		R18UG
Electrical Measurements Lab	1802407	Skill development		R18UG
Electrical Machines - I Lab	1802408	Skill development		R18UG
Python Programming Lab	1805409	Employability		R18UG
Environmental Science	18994M1	Skill development		R18UG
Managerial Economics And Financial Analysis	1525501	Entrepreneurship		R15UG
Control Systems	1502502	Employability		R15UG
Power Electronics	1502503	Employability		R15UG
Power Systems - II	1502504	Employability		R15UG
Electrical Machines - III	1502505	Employability		R15UG
Digital Signal Processing	1514506	Skill development		R15UG

	Signals & Systems	1514507	Skill development	R15UG
	Embedded Systems	1514508	Employability	R15UG
	Electrical Measurements Lab	1502509	Skill development	R15UG
	Electrical Machines – II Lab	1502510	Skill development	R15UG
	Linear & Digital Integrated Circuit Analysis	1514601	Entrepreneurship	R15UG
	Micro Processors & Microcontrollers	1514602	Employability	R15UG
	Power Semiconductor Drives	1502603	Employability	R15UG
	Power Systems - III	1502604	Employability	R15UG
	Power System Operation & Control	1502605	Employability	R15UG
	Instrumentation	1514606	Skill development	R15UG
	Soft Computing Techniques	1502607	Employability	R15UG
	Optimization Techniques	1513608	Skill development	R15UG
	Advanced English communication Lab(Audit Course)	1524609	Skill development	R15UG
	Power Electronics & Simulation Lab	1502610	Skill development	R15UG
	Control Systems & Simulation Lab	1502611	Employability	R15UG
	Management Science	1525701	Skill development	R15UG
	Advanced Control Systems	1502702	Employability	R15UG
	HVDC Transmission	1502703	Employability	R15UG
	Switch Gear & Protection	1502704	Employability	R15UG
	Electrical Distribution Systems	1502705	Employability	R15UG
	High Voltage Engineering	1502706	Employability	R15UG
	Power Quality	1502707	Skill development	R15UG
	Switch Mode Power Converters	1502708	Employability	R15UG
	Micro Processors & Micro Controllers Lab	1514709	Skill development	R15UG
	Power Systems Simulation Lab	1502710	Skill development	R15UG

	Utilization of Electrical Power	1502801	Employability	R15UG
	FACTS	1502802	Skill development	R15UG
	Electrical Machine Design	1502803	Entrepreneurship	R15UG
	Special Electrical Machines	1502804	Employability	R15UG
	Energy Auditing and Demand Side Management	1502805	Entrepreneurship	R15UG
	Reliability Engineering & Applications to Power Systems	1502806	Entrepreneurship	R15UG
	Seminar	1502807	Skill development	R15UG
	Project Work	1502808	Skill development	R15UG
B.Tech-ME				
	Mathematics - I	1821101	Employability	R18UG
	Engineering Chemistry	1823102	Employability	R18UG
	English	1824103	Employability	R18UG
	Programming for Problem Solving	1805104	Skill development	R18UG
	Chemistry Lab	1823107	Skill development	R18UG
	Programming for Problem Solving Lab	1805108	Skill development	R18UG
	English Lab	1824109	Skill development	R18UG
	Mathematics - II	1821201	Employability	R18UG
	Engineering Physics	1822204	Employability	R18UG
	Basic Electrical Engineering	1802205	Employability	R18UG
	Engineering Graphics & Design	1803207	Skill development	R18UG
	Engineering Physics Lab	1822208	Skill development	R18UG
	Basic Electrical Engineering Lab	1802209	Skill development	R18UG
	Workshop and Manufacturing Practices	1803211	Skill development	R18UG
	Biology for Engineers	1823301	Employability	R18UG
	Numerical Methods & Probability Statistics	1823302	Employability	R18UG

Engineering Mechanics	1823303	Employability	R18UG
Manufacturing Process	1823304	Employability	R18UG
Strength of Material	1823305	Employability	R18UG
Material Science and Engineering	1823306	Employability	R18UG
Thermodynamics	1823307	Employability	R18UG
Material Science Mechanics of solid Lab	1823308	Employability	R18UG
Manufacturing Technology Lab	1823309	Employability	R18UG
Applied Thermodynamics	1803401	Employability	R18UG
Fluid Mechanics &Fluid Machinery	1803402	Employability	R18UG
Kinematics of Machinery	1803403	Employability	R18UG
Basic Electronic Engineering	1814404	Employability	R18UG
Instrumentation and control systems	1803405	Employability	R18UG
Computer Aided Machine Drawing	1803406	Employability	R18UG
Basic Electronics & MOF Lab	1803407	Skill development	R18UG
Environmental Science	18994M1	Skill development	R18UG
Seminar/Industrial Training	1803408	Skill development	R18UG
Advanced English communication Lab	1824409	Skill development	R18UG
Heat Transfer	1503501	Employability	R15UG
Design of Machine Elements-I	1503502	Employability	R15UG
Machine tools	1503503	Employability	R15UG
Dynamics of Machinery- I	1503504	Employability	R15UG
Thermal Engineering II	1503505	Employability	R15UG
Hydraulic Machinery	1503506	Employability	R15UG
Industrial Management	1503507	Entrepreneurship	R15UG
Entrepreneurship	1503508	Entrepreneurship	R15UG
Thermal Engineering Lab	1503509	Skill development	R15UG

Advanced English communication Lab	1524510	Skill development		R15UG
Managerial Economics and Financial Analysis	1525601	Employability		R15UG
Design of Machine Elements-II	1503602	Employability		R15UG
Operations Research	1503603	Employability		R15UG
Dynamics of Machinery- II	1503604	Employability		R15UG
Refrigeration and Air-Conditioning	1503605	Employability		R15UG
Automobile Engineering	1503606	Employability		R15UG
IC Engines	1503607	Employability		R15UG
Power plant Engineering	1503608	Employability		R15UG
Metrology& Machine Tools Lab	1503609	Skill development		R15UG
Heat Transfer and Dynamics Lab	1503610	Skill development		R15UG
Cad/Cam	1503701	Skill development		R15UG
Metrology	1503702	Employability		R15UG
Finite Element Methods	1503703	Employability		R15UG
Instrumentation And Control Systems	1503704	Employability		R15UG
Production And Operations Management	1503705	Employability		R15UG
Computational Fluid Dynamics	1503706	Employability		R15UG
Mechatronnics	1503707	Skill development		R15UG
Modern Manufacturing Methods	1503708	Skill development		R15UG
Tool Design	1503709	Employability		R15UG
Rapid Prototyping	1503710	Skill development		R15UG
Instrumentation And Control Systems Lab	1503711	Skill development		R15UG
Cad/Cam Lab	1503712	Skill development		R15UG
Automation & Robotics	1503801	Employability		R15UG
Renewable Energy Sources	1503802	Employability		R15UG

	Gas Turbines And Jet Propulsion	1503803	Employability	R15UG
	Geometric Modelling	1503804	Employability	R15UG
	Reliability In Engineering Systems	1503805	Employability	R15UG
	Industrial Safety Management	1503806	Employability	R15UG
	Geometric Modeling	1853101	Employability	R18PG
	Computer Integrated Manufacturing	1853102	Employability	R18PG
	Computer Aided Process Planning	1853103	Employability	R18PG
	Concurrent Engineering	1853104	Employability	R18PG
	Quality Engineering & Manufacturing	1853105	Employability	R18PG
	Advanced optimization techniques	1853106	Employability	R18PG
	Design For Manufacturing	1853107	Employability	R18PG
	Mechatronics	1853108	Skill development	R18PG
	Research Methodology & IPR	1853109	Employability	R18PG
	Computer graphics Lab	1853110	Skill development	R18PG
M.Tech CAD/CAM	CAD Lab	1853111	Skill development	R18PG
	Finite Element Methods	1853201	Employability	R18PG
	Robotics	1853202	Employability	R18PG
	Advances in Manufacturing Technology	1853203	Employability	R18PG
	Artifical Intelligence & Expert Systems	1853204	Employability	R18PG
	Advances Stress Analysis	1853205	Employability	R18PG
	Flexible Manufacturing Systems	1853206	Employability	R18PG
	Computer Graphics	1853207	Employability	R18PG
	CNC Technology and Programming	1853208	Employability	R18PG
	Mini-project with seminar	1853209	Skill development	R18PG
	CAE Lab	1853210	Skill development	R18PG
	CAM Lab	1853211	Skill development	R18PG
	Rapid Prototyping	1853301	Employability	R18PG

	Automation in Manufacturing	1853302	Employability	R18PG
	Advanced Tool Design	1853303	Employability	R18PG
	Business Analytics	1870304	Employability	R18PG
	Industrial Safety	1870305	Employability	R18PG
	Operations Research	1870306	Employability	R18PG
	Cost Management of Engineering Projects	1870307	Employability	R18PG
	Composite Materials	1870308	Employability	R18PG
	Waste to energy	1870309	Skill development	R18PG
	Dissertation Phase-I	1853310	Skill development	R18PG
	Dissertation Phase-II	1853401	Skill development	R18PG
B.Tech-ECE				
	Mathematics – III	1821301	Skill development	R18UG
	Managerial Economics and Financial Analysis	1825307	Entrepreneurship	R18UG
	Electronic Devices and Circuits	1804303	Employability	R18UG
	Digital System Design	1804304	Skill development	R18UG
	Signals And Systems	1804305	Employability	R18UG
	Network Theory	1804306	Skill development	R18UG
	Python Programming	1805307	Employability	R18UG
	Electronic Devices and Circuits Lab	1804308	Employability	R18UG
	Environmental Science	18993M1	Skill development	R18UG
	Biology for Engineers	1823401	Skill development	R18UG
	Probability Theory and Stochastic Processes	1804402	Skill development	R18UG
	Analog and Digital Circuits	1804403	Employability	R18UG
	Control Systems	1804404	Employability	R18UG
	Linear IC Applications	1804405	Employability	R18UG

Electromagnetic Theory and Transmission lines	1804406	Employability	R18UG
LABVIEW Programming Lab	1804407	Employability	R18UG
Analog and Digital Circuits Lab	1804408	Employability	R18UG
Linear IC Applications	1504502	Employability	R15UG
Digital Communications	1504503	Employability	R15UG
Antenna and Wave Propagation	1504504	Employability	R15UG
Computer Organization	1515505	Skill development	R15UG
Digital IC Applications	1504506	Employability	R15UG
IC Applications Lab	1504507	Employability	R15UG
Communication Engineering Lab	1504508	Employability	R15UG
Managerial Economics & Financial Analysis	1525601	Enterpreneurship	R15UG
Digital Signal Processing	1504602	Employability	R15UG
Microwave Engineering	1504603	Employability	R15UG
Control Systems	1512604	Employability	R15UG
Microcontrollers and Applications	1504605	Employability	R15UG
Data structures	1515606	Skill development	R15UG
Embedded Real Time Operating Systems	1504706	Employability	R15UG
Neural networks and Fuzzy Logic	1504707	Skill development	R15UG
Data Communications	1504708	Skill development	R15UG
Microwave & Optical Communications Lab	1504709	Employability	R15UG
VLSI Lab	1504710	Employability	R15UG
Cellular & Mobile Communications	1504801	Skill development	R15UG
Satellite Communications	1504802	Employability	R15UG
RADAR Systems	1504803	Employability	R15UG

	Speech Processing	1504804	Employability	R15UG
	OOPS through Java Programming	1504805	Employability	R15UG
	Data Acquisition Systems	1504806	Skill development	R15UG
	Spread Spectrum Communications	1504807	Employability	R15UG
	Biomedical Instrumentation	1504808	Employability	R15UG
	Electronic Devices and Circuits	1821303	Employability	R18UG
	Network Theory	1821306	Employability	R18UG
	Python Programming	1821307	Employability	R18UG
	Electronic Devices and Circuits Lab	1821308	Employability	R18UG
	Analog and Digital Circuits	1804403	Employability	R18UG
	Electromagnetic Theory and Transmission lines	1804406	Skill development	R18UG
	LABVIEW Programming Lab	1804407	Employability	R18UG
	Analog and Digital Circuits Lab	1804408	Employability	R18UG
M.Tech DECS	Analog & Digital CMOS VLSI Design	1854103	Employability	R18PG
	Low power VLSI	1854104	Employability	R18PG
	SoC Design	1854105	Employability	R18PG
	Advanced Communication Networks	1854108	Skill development	R18PG
	Research Methodology & IPR	1800109	Entrepreneurship	R18PG
	DCT Lab	1854111	Employability	R18PG
	Microcontrollers & Programmable DSP Processors	1854201	Employability	R18PG
	IOT & Applications	1854204	Employability	R18PG
	VLSI Signal Processing	1854205	Employability	R18PG

	Subject	Code	Category	Regulation
	Optical Networks	1854207	Skill development	R18PG
	Biomedical Signal Processing	1854208	Employability	R18PG
	Microcontrollers and Programmable DSP Processors Lab	1854210	Employability	R18PG
	Advanced DSP Lab	1854211	Employability	R18PG
	Microcomputer System Design	1854301	Employability	R18PG
	Joint Time Frequency Analysis & MRA	1854302	Skill development	R18PG
	Pattern Recognition & Machine learning	1854303	Employability	R18PG
	Business Analytics	1871304	Enterpreneurship	R18PG
	Operation Research	1871305	Enterpreneurship	R18PG
	Cost Management of Engineering Projects	1871307	Skill development	R18PG
	Waste to Energy	1871309	Skill development	R18PG
	Joint Time Frequency Analysis & MRA	1854302	Employability	R18PG
	Pattern recognition & Machine learning	1854303	Employability	R18PG
B.Tech-CSE				
	Mathematics – I	1821101	Skill Development	R18UG
	Engineering Physics	1822104	Skill Development	R18UG
	Basic Electrical Engineering	1802103	Skill Development	R18UG
	Engineering Graphics & Design	1803107	Skill Development	R18UG
	Engineering Physics Lab	1822108	Skill Development	R18UG
	Basic Electrical Engineering Lab	1802109	Skill Development	R18UG
	Workshop and Manufacturing Practices	1803110	Skill Development	R18UG
	Mathematics – II	1821201	Skill Development	R18UG
	Engineering Chemistry	1823202	Skill Development	R18UG
	English	1824203	Skill Development	R18UG
	Programming for Problem Solving	1805204	Employability	R18UG
	Chemistry Lab	1823207	Skill Development	R18UG

Programming for Problem Solving Lab	1805208	Employability	R18UG
English Lab	1824209	Skill Development	R18UG
Environmental Science(Mandatory course - 1)	18993M1	Skill Development	R18UG
Basics of Electronics Engineering	1804302	Skill Development	R18UG
Data structures	1805303	Employability	R18UG
Discrete Mathematics	1805304	Skill Development	R18UG
Digital Logic Design	1805305	Skill Development	R18UG
Python Programming	1805306	Employability	R18UG
Managerial Economics & Financial Accounting((Humanities-1))	1825307	Entrepreneurship	R18UG
Basics of Electronics Engineering Lab	1804311	Skill Development	R18UG
Data structures Lab	1805309	Employability	R18UG
Python Programming Lab	1805310	Employability	R18UG
Biology for Engineering	1823401	Skill Development	R18UG
Probability & Statistics	1821402	Skill Development	R18UG
Computer Organization	1805403	Skill Development	R18UG
Operating Systems	1805404	Employability	R18UG
Design and Analysis of Algorithms	1805405	Skill Development	R18UG
Java Programming	1805406	Employability	R18UG
Formal Language and Automata Theory	1805407	Skill Development	R18UG
Java Programming Lab	1805408	Employability	R18UG
Operating Systems Lab	1805410	Employability	R18UG
Web Technologies	1505501	Entrepreneurship	R15UG
Computer Networks	1505502	Employability	R15UG
Software Engineering	1505503	Employability	R15UG
Compiler Design	1505504	Skill Development	R15UG
Advanced Computer Architecture	1505505	Skill Development	R15UG

Multimedia Systems	1505506	Skill Development	R15UG
Principles of Programming Languages	1505507	Skill Development	R15UG
Microprocessors	1504508	Skill Development	R15UG
Web Technologies Lab	1505509	Entrepreneurship	R15UG
Advanced English & Communication	1524510	Skill Development	R15UG
Object Oriented Analysis & Design	1505601	Employability	R15UG
Design & Analysis of Algorithms	1505602	Skill Development	R15UG
Cryptography & Network Security	1505603	Skill Development	R15UG
Data Mining	1505604	Employability	R15UG
Mobile Application Development	1505605	Entrepreneurship	R15UG
Machine Learning	1505606	Entrepreneurship	R15UG
Distributed Systems	1505607	Skill Development	R15UG
Unix & Shell Programming	1505608	Employability	R15UG
UML & Data Mining Lab	1505609	Employability	R15UG
Mobile Application Development Lab	1505610	Entrepreneurship	R15UG
Big Data Technologies	1505701	Employability	R15UG
Cloud Computing	1505702	Employability	R15UG
Artificial Intelligence	1505703	Employability	R15UG
Software Testing	1505704	Employability	R15UG
Computer Graphics	1505705	Employability	R15UG
Mobile Computing	1505706	Employability	R15UG
Natural Language Processing	1505707	Skill Development	R15UG
Internet of Things	1505708	Employability	R15UG
Software Testing and Case Tools Lab	1505709	Employability	R15UG
Internet of Things Lab	1505710	Employability	R15UG
Software Project Management	1505801	Skill Development	R15UG
Ethical Hacking	1505802	Employability	R15UG
Management Science	1505803	Entrepreneurship	R15UG

	Digital Image Processing	1505804	Employability	R15UG
	Social Networks Mining & Analysis	1505805	Employability	R15UG
	Soft Computing	1505806	Employability	R15UG
	Technical Seminar	1505807	Skill Development	R15UG
	Project Work	1505808	Skill Development	R15UG
	Mathematical foundations of Computer Science	1855101	Skill Development	R18PG
	Advanced Data Structures	1855102	Skill Development	R18PG
	Machine Learning	1855103	Employability	R18PG
	Wireless Sensor Networks	1855104	Skill Development	R18PG
	Introduction to Intelligent Systems	1855105	Skill Development	R18PG
	Data Science	1855106	Skill Development	R18PG
	Distributed Systems	1855107	Skill Development	R18PG
	Advanced Wireless and Mobile Networks	1855108	Skill Development	R18PG
	Research Methodology and IPR	1800109	Skill Development	R18PG
M.Tech CSE	Audit Course-I	1870AXX	Skill Development	R18PG
	Advanced Data Structures Lab	1855110	Skill Development	R18PG
	Software Lab-I	1855111	Employability	R18PG
	Mobile Applications and Services	1855201	Employability	R18PG
	Human Computer Interaction	1855202	Skill Development	R18PG
	Internet of Things	1855203	Skill Development	R18PG
	Data Preparation and Analysis	1855204	Skill Development	R18PG
	Computer Vision	1855205	Skill Development	R18PG
	Cloud Computing	1855206	Employability	R18PG
	Soft Computing	1855207	Skill Development	R18PG
	Digital Forensics	1855208	Skill Development	R18PG
	Audit Course-II	1870AXX	Skill Development	R18PG

	Mobile Applications and Services Lab	1855210	Employability	R18PG
	Software Lab-II	1855211	Skill Development	R18PG
	Mini Project with Seminar	1855209	Skill Development	R18PG
	Big Data Analytics	1855301	Skill Development	R18PG
	Compiler for High Performance Computing	1855302	Skill Development	R18PG
	Advanced Algorithms	1855303	Skill Development	R18PG
	Open Elective	18713XX	Skill Development	R18PG
	Dissertation-I	1855310	Skill Development	R18PG
	Dissertation-II	1855401	Skill Development	R18PG

List of Employability/ Entrepreneurship/ Skill development courses offered in AY 2018-19

Program Name	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development	Regulations
	Mathematics – 1	1821101	Skill development	R18UG
	Engineering Chemistry	1823102	Skill development	R18UG
	English	1824103	Skill development	R18UG
	Programming for Problem Solving	1805104	Skill development	R18UG
	Chemistry Lab	1823107	Skill development	R18UG
B.Tech-CE	Programming for Problem Solving Lab	1805108	Skill development	R18UG
	English Lab	1824109	Skill development	R18UG
	Mathematics – 2	1821201	Skill development	R18UG
	Engineering Physics	1822204	Skill development	R18UG
	Basic Electrical Engineering	1802205	Skill development	R18UG
	Engineering Graphics and Design	1803207	Skill development	R18UG

	Engineering Physics Lab	1822208	Skill development	R18UG
	Basic Electrical Engineering Lab	1802209	Skill development	R18UG
	Workshop and Manufacturing Practice	1803211	Skill development	R18UG
	Probability and Statistics	1521302	Skill development	R15UG
	Engineering Mechanics	1501301	Skill development	R15UG
	Surveying – 1	1501303	Skill development	R15UG
	Building Materials	1501304	Skill development	R15UG
	Fluid Mechanics	1501305	Skill development	R15UG
	Engineering Geology	1501306	Skill development	R15UG
	Surveying Field Work – 1	1501307	Skill development	R15UG
	Engineering Geology Laboratory	1501308	Skill development	R15UG
	Basic Electrical & Electronics Engineering	1502401	Skill development	R15UG
	Mechanics of Materials – 1	1501402	Skill development	R15UG
	Surveying – 2	1501403	Skill development	R15UG
	Building Construction	1501404	Skill development	R15UG
	Hydraulic Machinery	1501405	Skill development	R15UG
	Geo-Technical Engineering – 1	1501406	Skill development	R15UG
	Surveying Field Work – 2	1501407	Skill development	R15UG
	Fluid Mechanics & Hydraulic Machinery Lab	1501408	Skill development	R15UG
	Basic Electrical and Electronics Engineering Lab	1501409	Skill development	R15UG
	Mechanics of Materials - 2	1501501	Skill development	R15UG
	Geo-Technical Engineering - 2	1501502	Skill development	R15UG
	Hydrology	1501503	Skill development	R15UG
	Concrete Technology	1501504	Skill development	R15UG
	Water Supply Engineering	1501505	Skill development	R15UG

	Introduction to Java Programming	1501506	Skill development	R15UG
	Operation Research	1501507	Skill development	R15UG
	Entrepreneurship	1501508	Entrepreneurship	R15UG
	Strength of Materials Laboratory	1501509	Skill development	R15UG
	Geo-Technical Engineering Laboratory	1501510	Employability	R15UG
	Managerial Economics & Financial Analysis	1525601	Skill development	R15UG
	Structural Analysis – 1	1501602	Skill development	R15UG
	Design & Detailing of Reinforced Concrete Structures – 1	1501603	Employability	R15UG
	Water Resources Engineering – 1	1501604	Skill development	R15UG
	Transportation Engineering - 1	1501605	Skill development	R15UG
	Remote Sensing and GIS	1501606	Skill development	R15UG
	Watershed and River Basin Management	1501607	Skill development	R15UG
	Civil Engineering Professional Practice	1501608	Skill development	R15UG
	Environmental Engineering Laboratory	1501609	Employability	R15UG
	Computer Aided Building Drawing Lab	1501610	Entrepreneurship	R15UG
	Structural Analysis – 2	1501701	Skill development	R15UG
	Design & Detailing of Reinforced Concrete Structures – 2	1501702	Employability	R15UG
	Design & Detailing of Steel Structures	1501703	Employability	R15UG
	Transportation Engineering - 2	1501704	Skill development	R15UG
	Water Resources Engineering – 2	1501705	Skill development	R15UG
	Pre-stressed Concrete	1501706	Employability	R15UG
	Advanced Foundation Engineering	1501707	Employability	R15UG
	Construction Planning & Management	1501708	Skill development	R15UG

	Concrete & Highway Materials Laboratory	1501709	Skill development	R15UG
	CADD Lab	1501710	Employability	R15UG
	Sanitary Engineering	1501801	Skill development	R15UG
	Design & Drawing of Irrigation Structures	1501802	Employability	R15UG
	Quantity Surveying and Valuation	1501803	Entrepreneurship	R15UG
	Finite Element Methods	1501804	Skill development	R15UG
	Environmental Impact Assessment	1501805	Skill development	R15UG
	Bridge Engineering	1501806	Skill development	R15UG
	Seminar	1501807	Skill development	R15UG
	Project Work	1501808	Skill development	R15UG
M.Tech GTE	Advanced Soil Mechanics	1851101	Skill development	R18PG
	Advanced Foundation Engineering	1851102	Employability	R18PG
	Soil Structure Interaction	1851103	Employability	R18PG
	Ground Improvement Techniques	1851104	Skill development	R18PG
	Pavement Analysis and Design	1851105	Employability	R18PG
	FEM in Geo-Mechanics	1851106	Employability	R18PG
	Environmental Geo-Technology	1851107	Skill development	R18PG
	Critical Soil Mechanics	1851108	Skill development	R18PG
	Research Methodology & IPR	1851109	Skill development	R18PG
	Soil Mechanics – 1 Laboratory	1851110	Skill development	R18PG
	Soil Mechanics – 2 Laboratory	1851111	Skill development	R18PG
	Dynamics of Soil and Foundations	1851201	Employability	R18PG
	Subsurface Investigations and Instrumentation	1851202	Entrepreneurship	R18PG
	Offshore Geo-Technical Engineering	1851203	Employability	R18PG
	Computational Geo-Mechanics	1851204	Employability	R18PG

	Engineering Rock Mechanics	1851205	Skill development	R18PG
	Earth Retaining Structures	1851206	Employability	R18PG
	Design of Underground Excavations	1851207	Employability	R18PG
	Physical and Constitutive Modeling on Geo-Mechanics	1851208	Skill development	R18PG
	Mini-Project	1851209	Skill development	R18PG
	Sub Soil Exploration Laboratory	1851210	Entrepreneurship	R18PG
	Geo-Technical Engineering Modeling Laboratory	1851211	Skill development	R18PG
	English for Research Paper Writing	1870A01	Skill development	R18PG
	Disaster Management	1870A02	Skill development	R18PG
	Sanskrit for Technical Knowledge	1870A03	Skill development	R18PG
	Value Education	1870A04	Skill development	R18PG
	Constitution of India	1870A05	Skill development	R18PG
	Pedagogy Studies	1870A06	Skill development	R18PG
	Stress Management by Yoga	1870A07	Skill development	R18PG
	Personality Development through Life Enlightenment Skills	1870A08	Skill development	R18PG
	Seminar	14512101	Skill development	R14PG
	Project work	14512201	Skill development	R14PG
B.Tech-EEE				
	Mathematics-I	1821101	Skill development	R18UG
	Engineering Chemistry	1823102	Skill development	R18UG
	English	1824103	Skill Development	R18UG
	Programming for Problem Solving	1805104	Skill development	R18UG
	Chemistry Lab	1823107	Skill development	R18UG
	Programming for Problem Solving Lab	1805108	Skill development	R18UG
	English Lab	1824109	Skill development	R18UG

Subject	Code	Category	Regulation
Mathematics-II	1821201	Skill development	R18UG
Engineering Physics	1822203	Skill development	R18UG
Basic Electrical Engineering	1802206	Skill development	R18UG
Engineering Graphics & Design	1803207	Skill development	R18UG
Engineering Physics Lab	1822208	Skill development	R18UG
Basic Electrical Engineering Lab	1802210	Skill development	R18UG
Workshop on Manufacturing Practices	1803211	Skill development	R18UG
Mathematics-IV	1521301	Skill development	R15UG
Fluid Mechanics & Hydraulic Machinery	1511302	Skill development	R15UG
Electronic Devices and Circuits	1504303	Skill development	R15UG
Electromagnetic Fields	1502304	Skill development	R15UG
Network Theory	1502305	Skill development	R15UG
Electrical Machines - I	1502306	Skill development	R15UG
Fluid Mechanics & Hydraulic Machinery Lab	1511307	Skill development	R15UG
Electrical Circuits and Simulation Lab	1502308	Skill development	R15UG
Analog Electronic Circuits	1514401	Skill development	R15UG
Switching Theory & Logic Design	1504402	Skill development	R15UG
Generation of Electrical Power	1502403	Skill development	R15UG
Electrical & Electronics Measurements	1502404	Skill development	R15UG
Electrical Machines - II	1502405	Skill development	R15UG
Power Systems - I	1502406	Skill development	R15UG
Electronic Devices and Circuits Lab	1514407	Skill development	R15UG
Electrical Machines – I Lab	1502408	Skill development	R15UG
Managerial Economics And Financial Analysis	1525501	Entrepreneurship	R15UG
Control Systems	1502502	Skill development	R15UG

Power Electronics	1502503	Skill development	R15UG
Power Systems - II	1502504	Skill development	R15UG
Electrical Machines - III	1502505	Skill development	R15UG
Digital Signal Processing	1514506	Skill development	R15UG
Signals & Systems	1514507	Skill development	R15UG
Embedded Systems	1514508	Skill development	R15UG
Electrical Measurements Lab	1502509	Skill development	R15UG
Electrical Machines – II Lab	1502510	Skill development	R15UG
Linear & Digital Integrated Circuit Analysis	1514601	Skill development	R15UG
Micro Processors & Microcontrollers	1514602	Employability	R15UG
Power Semiconductor Drives	1502603	Employability	R15UG
Power Systems - III	1502604	Skill development	R15UG
Power System Operation & Control	1502605	Skill development	R15UG
Instrumentation	1514606	Skill development	R15UG
Soft Computing Techniques	1502607	Employability	R15UG
Optimization Techniques	1513608	Skill development	R15UG
Advanced English communication Lab(Audit Course)	1524609	Skill development	R15UG
Power Electronics & Simulation Lab	1502610	Skill development	R15UG
Control Systems & Simulation Lab	1502611	Skill development	R15UG
Management Science	1525701	Skill development	R15UG
Advanced Control Systems	1502702	Employability	R15UG
HVDC Transmission	1502703	Skill development	R15UG
Switch Gear & Protection	1502704	Skill development	R15UG
Electrical Distribution Systems	1502705	Skill development	R15UG
High Voltage Engineering	1502706	Skill development	R15UG
Power Quality	1502707	Skill development	R15UG

	Subject	Code	Category	Regulation
	Switch Mode Power Converters	1502708	Employability	R15UG
	Micro Processors & Micro Controllers Lab	1514709	Skill development	R15UG
	Power Systems Simulation Lab	1502710	Skill development	R15UG
	Utilization of Electrical Power	1502801	Skill development	R15UG
	FACTS	1502802	Skill development	R15UG
	Electrical Machine Design	1502803	Entrepreneurship	R15UG
	Special Electrical Machines	1502804	Employability	R15UG
	Energy Auditing and Demand Side Management	1502805	Entrepreneurship	R15UG
	Reliability Engineering & Applications to Power Systems	1502806	Skill development	R15UG
	Seminar	1502807	Skill development	R15UG
	Project Work	1502808	Skill development	R15UG
B.Tech-ME				
	Mathematics - I	1821101	Employability	R18UG
	Engineering Chemistry	1823102	Employability	R18UG
	English	1824103	Employability	R18UG
	Programming for Problem Solving	1805104	Skill development	R18UG
	Chemistry Lab	1823107	Skill development	R18UG
	Programming for Problem Solving Lab	1805108	Skill development	R18UG
	English Lab	1824109	Skill development	R18UG
	Mathematics - II	1821201	Employability	R18UG
	Engineering Physics	1822204	Employability	R18UG
	Basic Electrical Engineering	1802205	Employability	R18UG
	Engineering Graphics & Design	1803207	Skill development	R18UG
	Engineering Physics Lab	1822208	Skill development	R18UG
	Basic Electrical Engineering Lab	1802209	Skill development	R18UG

Workshop and Manufacturing Practices	1803211	Skill development	R18UG
Engineering Mechanics	1503301	Employability	R15UG
Mechanics of Solids	1511302	Employability	R15UG
Basic Electrical & Electronics Engineering	1599303	Skill development	R15UG
Material Science and Metallurgy	1503304	Employability	R15UG
Thermodynamics	1503305	Employability	R15UG
Machine Drawing	1503306	Skill development	R15UG
Material Science Lab & Mechanics of Solids Lab	1503307	Skill development	R15UG
Manufacturing Technology Lab	1503308	Skill development	R15UG
Aptitude (Audit Course)	1503309	Skill development	R15UG
Probability and Statistics	1521401	Skill development	R15UG
Composite and Nano materials	1503402	Employability	R15UG
Mechanics of Fluids	1511403	Employability	R15UG
Kinematics of Machinery	1503404	Employability	R15UG
Thermal Engineering – I	1503405	Employability	R15UG
Manufacturing Technology	1503406	Employability	R15UG
Fluid Mechanics and Hydraulic Machines Lab	1511407	Skill development	R15UG
Basic Electrical & Electronics Engineering lab	1599408	skill development	R15UG
Heat Transfer	1503501	Employability	R15UG
Design of Machine Elements-I	1503502	Employability	R15UG
Machine tools	1503503	Employability	R15UG
Dynamics of Machinery- I	1503504	Employability	R15UG
Thermal Engineering II	1503505	Employability	R15UG
Hydraulic Machinery	1503506	Employability	R15UG

Industrial Management	1503507	Entrepreneurship	R15UG
Entrepreneurship	1503508	Entrepreneurship	R15UG
Thermal Engineering Lab	1503509	Skill development	R15UG
Advanced English communication Lab	1524510	Skill development	R15UG
Managerial Economics and Financial Analysis	1525601	Employability	R15UG
Design of Machine Elements-II	1503602	Employability	R15UG
Operations Research	1503603	Employability	R15UG
Dynamics of Machinery- II	1503604	Employability	R15UG
Refrigeration and Air-Conditioning	1503605	Employability	R15UG
Automobile Engineering	1503606	Employability	R15UG
IC Engines	1503607	Employability	R15UG
Power plant Engineering	1503608	Employability	R15UG
Metrology& Machine Tools Lab	1503609	Skill development	R15UG
Heat Transfer and Dynamics Lab	1503610	Skill development	R15UG
Cad/Cam	1503701	Skill development	R15UG
Metrology	1503702	Employability	R15UG
Finite Element Methods	1503703	Employability	R15UG
Instrumentation And Control Systems	1503704	Employability	R15UG
Production And Operations Management	1503705	Employability	R15UG
Computational Fluid Dynamics	1503706	Employability	R15UG
Mechatronnics	1503707	Skill development	R15UG
Modern Manufacturing Methods	1503708	Skill development	R15UG
Tool Design	1503709	Employability	R15UG
Rapid Prototyping	1503710	Skill development	R15UG
Instrumentation And Control Systems Lab	1503711	Skill development	R15UG

	Cad/Cam Lab	1503712	Skill development	R15UG
	Automation & Robotics	1503801	Employability	R15UG
	Renewable Energy Sources	1503802	Employability	R15UG
	Gas Turbines And Jet Propulsion	1503803	Employability	R15UG
	Geometric Modelling	1503804	Employability	R15UG
	Reliability In Engineering Systems	1503805	Employability	R15UG
	Industrial Safety Management	1503806	Employability	R15UG
	Geometric Modeling	1853101	Employability	R18PG
	Computer Integrated Manufacturing	1853102	Employability	R18PG
	Computer Aided Process Planning	1853103	Employability	R18PG
	Concurrent Engineering	1853104	Employability	R18PG
	Quality Engineering & Manufacturing	1853105	Employability	R18PG
	Advanced optimization techniques	1853106	Employability	R18PG
	Design For Manufacturing	1853107	Employability	R18PG
	Mechatronics	1853108	Skill development	R18PG
	Research Methodology & IPR	1853109	Employability	R18PG
M.Tech CAD/CAM	Computer graphics Lab	1853110	Skill development	R18PG
	CAD Lab	1853111	Skill development	R18PG
	Finite Element Methods	1853201	Employability	R18PG
	Robotics	1853202	Employability	R18PG
	Advances in Manufacturing Technology	1853203	Employability	R18PG
	Artifical Intelligence & Expert Systems	1853204	Employability	R18PG
	Advances Stress Analysis	1853205	Employability	R18PG
	Flexible Manufacturing Systems	1853206	Employability	R18PG
	Computer Graphics	1853207	Employability	R18PG
	CNC Technology and Programming	1853208	Employability	R18PG
	Mini-project with seminar	1853209	Skill development	R18PG

	CAE Lab	1853210	Skill development	R18PG
	CAM Lab	1853211	Skill development	R18PG
	Seminar	14532101	Skill development	R18PG
	Project Work	14532201	Skill development	R18PG
				R15UG
	Electromagnetic Fields	1504302	Skill development	R15UG
	Electronic Devices and Circuits	1504303	Employability	R15UG
	Signals and Systems	1504304	Employability	R15UG
	Network Theory	1502305	Skill development	R15UG
	Electrical Machines	1512306	Skill development	R15UG
	Electrical Engineering Lab	1512307	Skill development	R15UG
	Electronic Devices & Circuits Lab	1504308	Employability	R15UG
	Analog Communications	1504401	Skill development	R15UG
	Switching Theory and Logic design	1504402	Skill development	R15UG
	Electronic Circuit Analysis	1504403	Skill development	R15UG
	Pulse and Digital Circuits	1504404	Skill development	R15UG
B.Tech-ECE	Electronic Circuit Analysis Lab	1504407	Employability	R15UG
	Pulse & Digital Circuits Lab	1504408	Skill development	R15UG
	Linear IC Applications	1504502	Employability	R15UG
	Digital Communications	1504503	Employability	R15UG
	Antenna and Wave Propagation	1504504	Employability	R15UG
	Computer Organization	1515505	Skill development	R15UG
	Digital IC Applications	1504506	Employability	R15UG
	IC Applications Lab	1504507	Employability	R15UG
	Communication Engineering Lab	1504508	Employability	R15UG
	Managerial Economics & Financial Analysis	1525601	Enterpreneurship	R15UG
	Digital Signal Processing	1504602	Employability	R15UG

Microwave Engineering	1504603	Employability	R15UG
Control Systems	1512604	Employability	R15UG
Microcontrollers and Applications	1504605	Employability	R15UG
Data structures	1515606	Skill development	R15UG
Embedded Real Time Operating Systems	1504706	Employability	R15UG
Neural networks and Fuzzy Logic	1504707	Skill development	R15UG
Data Communications	1504708	Skill development	R15UG
Microwave & Optical Communications Lab	1504709	Employability	R15UG
VLSI Lab	1504710	Employability	R15UG
Cellular & Mobile Communications	1504801	Skill development	R15UG
Satellite Communications	1504802	Employability	R15UG
RADAR Systems	1504803	Employability	R15UG
Speech Processing	1504804	Employability	R15UG
OOPS through Java Programming	1504805	Employability	R15UG
Data Acquisition Systems	1504806	Skill development	R15UG
Spread Spectrum Communications	1504807	Employability	R15UG
Biomedical Instrumentation	1504808	Employability	R15UG
Mathematics - II	1821201	Skill development	R18UG
Programming for Problem Solving	1805204	Employability	R18UG
Programming for Problem Solving Lab	1805208	Employability	R18UG
English Lab	1824209	Skill development	R18UG
Engineering Physics	1822102	Employability	R18UG
Basic Electrical Engineering	1823103	Skill development	R18UG
Engineering Graphics & Design	1824107	Skill development	R18UG
Engineering Physics Lab	1825108	Skill development	R18UG
Workshop and Manufacturing Practices	1827110	Skill development	R18UG

	Course	Code	Category	Regulation
M.Tech DECS	Analog & Digital CMOS VLSI Design	1854103	Employability	R18PG
	Low power VLSI	1854104	Employability	R18PG
	SoC Design	1854105	Employability	R18PG
	Advanced Communication Networks	1854108	Skill development	R18PG
	Research Methodology & IPR	1800109	Entrepreneurship	R18PG
	DCT Lab	1854111	Employability	R18PG
	Microcontrollers & Programmable DSP Processors	1854201	Employability	R18PG
	IOT & Applications	1854204	Employability	R18PG
	VLSI Signal Processing	1854205	Employability	R18PG
	Optical Networks	1854207	Skill development	R18PG
	Biomedical Signal Processing	1854208	Employability	R18PG
	Microcontrollers and Programmable DSP Processors Lab	1854210	Employability	R18PG
	Advanced DSP Lab	1854211	Employability	R18PG
	Seminar	14542101	Skill development	R18PG
	Project	14542202	Skill development	R18PG
B.Tech-CSE				
	Mathematics – I	1821101	Skill Development	R18UG
	Engineering Physics	1822104	Skill Development	R18UG
	Basic Electrical Engineering	1802103	Skill Development	R18UG
	Engineering Graphics & Design	1803107	Skill Development	R18UG
	Engineering Physics Lab	1822108	Skill Development	R18UG
	Basic Electrical Engineering Lab	1802109	Skill Development	R18UG
	Workshop and Manufacturing Practices	1803110	Skill Development	R18UG
	Mathematics – II	1821201	Skill Development	R18UG
	Engineering Chemistry	1823202	Skill Development	R18UG
	English	1824203	Skill Development	R18UG

Programming for Problem Solving	1805204	Employability	R18UG
Chemistry Lab	1823207	Skill Development	R18UG
Programming for Problem Solving Lab	1805208	Employability	R18UG
English Lab	1824209	Skill Development	R18UG
Electrical & Electronics Engineering	1599301	Skill Development	R15UG
Advanced Data Structures	1505302	Employability	R15UG
Digital Logic Design	1505303	Skill Development	R15UG
Discrete Mathematics	1505304	Skill Development	R15UG
Managerial Economics & Financial Analysis	1525305	Skill Development	R15UG
Object Oriented Programming through C++	1505306	Employability	R15UG
Object Oriented Programming & Data Structures Lab	1505307	Employability	R15UG
Electrical & Electronics Engineering Engineering Lab	1599308	Skill Development	R15UG
Probability & Statistics	1521401	Skill Development	R15UG
Operating Systems	1505402	Skill Development	R15UG
Database Management Systems	1505403	Employability	R15UG
Formal Languages & Automata Theory	1505404	Skill Development	R15UG
Java Programming	1505405	Employability	R15UG
Computer Organization	1505406	Skill Development	R15UG
Database Management Systems Lab	1525407	Employability	R15UG
Java Programming Lab	1505408	Employability	R15UG
Web Technologies	1505501	Entrepreneurship	R15UG
Computer Networks	1505502	Employability	R15UG
Software Engineering	1505503	Employability	R15UG
Compiler Design	1505504	Skill Development	R15UG

Advanced Computer Architecture	1505505	Skill Development	R15UG
Multimedia Systems	1505506	Skill Development	R15UG
Principles of Programming Languages	1505507	Skill Development	R15UG
Microprocessors	1504508	Skill Development	R15UG
Web Technologies Lab	1505509	Entrepreneurship	R15UG
Advanced English & Communication	1524510	Skill Development	R15UG
Object Oriented Analysis & Design	1505601	Employability	R15UG
Design & Analysis of Algorithms	1505602	Skill Development	R15UG
Cryptography & Network Security	1505603	Skill Development	R15UG
Data Mining	1505604	Employability	R15UG
Mobile Application Development	1505605	Entrepreneurship	R15UG
Machine Learning	1505606	Entrepreneurship	R15UG
Distributed Systems	1505607	Skill Development	R15UG
Unix & Shell Programming	1505608	Employability	R15UG
UML & Data Mining Lab	1505609	Employability	R15UG
Mobile Application Development Lab	1505610	Entrepreneurship	R15UG
Big Data Technologies	1505701	Employability	R15UG
Cloud Computing	1505702	Employability	R15UG
Artificial Intelligence	1505703	Employability	R15UG
Software Testing	1505704	Employability	R15UG
Computer Graphics	1505705	Employability	R15UG
Mobile Computing	1505706	Employability	R15UG
Natural Language Processing	1505707	Skill Development	R15UG
Internet of Things	1505708	Employability	R15UG
Software Testing and Case Tools Lab	1505709	Employability	R15UG
Internet of Things Lab	1505710	Employability	R15UG
Software Project Management	1505801	Skill Development	R15UG
Ethical Hacking	1505802	Employability	R15UG

	Management Science	1505803	Entrepreneurship	R15UG
	Digital Image Processing	1505804	Employability	R15UG
	Social Networks Mining & Analysis	1505805	Employability	R15UG
	Soft Computing	1505806	Employability	R15UG
	Technical Seminar	1505807	Skill Development	R15UG
	Project Work	1505808	Skill Development	R15UG
	Mathematical foundations of Computer Science	1855101	Skill Development	R18PG
	Advanced Data Structures	1855102	Skill Development	R18PG
	Machine Learning	1855103	Employability	R18PG
	Wireless Sensor Networks	1855104	Skill Development	R18PG
	Introduction to Intelligent Systems	1855105	Skill Development	R18PG
	Data Science	1855106	Skill Development	R18PG
	Distributed Systems	1855107	Skill Development	R18PG
	Advanced Wireless and Mobile Networks	1855108	Skill Development	R18PG
M.Tech CSE	Research Methodology and IPR	1800109	Skill Development	R18PG
	Audit Course-I	1870AXX	Skill Development	R18PG
	Advanced Data Structures Lab	1855110	Skill Development	R18PG
	Software Lab-I	1855111	Employability	R18PG
	Mobile Applications and Services	1855201	Employability	R18PG
	Human Computer Interaction	1855202	Skill Development	R18PG
	Internet of Things	1855203	Skill Development	R18PG
	Data Preparation and Analysis	1855204	Skill Development	R18PG
	Computer Vision	1855205	Skill Development	R18PG
	Cloud Computing	1855206	Employability	R18PG
	Soft Computing	1855207	Skill Development	R18PG
	Digital Forensics	1855208	Skill Development	R18PG

	Audit Course-II	1870AXX	Skill Development	R18PG
	Mobile Applications and Services Lab	1855210	Employability	R18PG
	Software Lab-II	1855211	Skill Development	R18PG
	Mini Project with Seminar	1855209	Skill Development	R18PG
	Seminar	14552101	Skill Development	R14PG
	Project Work	14552201	Skill Development	R14PG