

Details of New Courses

Name of the new course introduced in the last 5 years	Program name	Program code	Course code	Year of introduction	Link of the relevant document
Manufacturing Technology			ME6352	2013-14	
Mechanics of Machines			AT6302	2013-14	
Aircraft Materials and processes			AE6604	2013-14	
Airtraffic control and planning			AE6012	2013-14	
Heat Transfer			AE6014	2013-14	
Experimental Aerodynamics			AE6004	2013-14	
CAM and Manufacturing Laboratory			AE6312	2013-14	
CAD and Aircraft Component Drawing			AE6413	2013-14	
Aero Engine and Airframe laboratory			AE6611	2013-14	
Flight Integration Systems and Control laboratory			AE6713	2013-14	
Theory of Elasticity			AE6001	2013-14	
Aircraft General Engineering and Maintenance Practices			AE6002	2013-14	
Space Mechanics			AE6003	2013-14	
Heat Transfer			AE6004	2013-14	
Human Rights			GE6084	2013-14	
Helicopter Theory			AE6005	2013-14	
Theory of Plates and Shells			AE6006	2013-14	
Fatigue and Fracture			AE6007	2013-14	
UAV Systems			AE6008	2013-14	
Disaster Management			GE6083	2013-14	
Industrial Aerodynamics			AE6009	2013-14	
Airframe Maintenance and Repair			AE6010	2013-14	
Aero Engine Maintenance and Repair			AE6011	2013-14	
Air Traffic Control and Planning			AE6012	2013-14	
Hypersonic Aerodynamics			AE6013	2013-14	
Experimental Aerodynamics			AE6014	2013-14	
Rockets and Missiles			AE6015	2013-14	
Structural Dynamics			AE6016	2013-14	
Strength of Materials for Mechanical Engineers			CE8395	2017-18	

Experimental Aerodynamics
Aircraft Design
Professional Communication
Computer Aided Machine Drawing
Strength of Materials and Fluid Mechanics & Machinery Labo
Problem Solving and Python Programming
Problem Solving and Python Programming Laboratory
New Product Development
Space Mechanics
Aircraft General Engineering and Maintenance Practices
Heat Transfer
Intellectual Property Rights
Helicopter Theory
Aero Engine Maintenance and Repair
UAV Systems
Aircraft Materials
Vibration and Elements of Aeroelasticity
Fundamentals of Nano Science
Disaster Management
Airframe Maintenance and Repair
Fatigue and Fracture
Lean Six Sigma
Non Destructive Testing and Evaluation
Foundation Skills in Integrated Product Development
Human Rights
Hypersonic Aerodynamics
Wind Tunnel Techniques
Rockets and Missiles
Structural Dynamics
Industrial Aerodynamics
Computer Integrated Manufacturing
Flight Instrumentation
Theory of Elasticity

B.E-
Aeronautical
Engineering

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AE8602	2017-18
AE8604	2017-18
HS8581	2017-18
ME8381	2017-18
CE8381	2017-18
GE8151	2017-18
GE8161	2017-18
PR8072	2017-18
AE8001	2017-18
AE8002	2017-18
AE8003	2017-18
GE8075	2017-18
AE8004	2017-18
AE8005	2017-18
AE8006	2017-18
AE8007	2017-18
AE8008	2017-18
GE8073	2017-18
GE8071	2017-18
AE8009	2017-18
AE8010	2017-18
PR8071	2017-18
ME8097	2017-18
GE8072	2017-18
GE8074	2017-18
AE8011	2017-18
AE8012	2017-18
AE8013	2017-18
AE8014	2017-18
AE8015	2017-18
PR8491	2017-18
AE8016	2017-18
AE8017	2017-18

Air Traffic Control and Planning		AE8018	2017-18
Principles of Management		MG8591	2017-18
Professional Ethics in Engineering		GE8076	2017-18
Hydrology		CE2021	2013-14
Ground Improvement Techniques		CE2023	2013-14
Municipal Solid Waste Management		CE2029	2013-14
Prefabricated Structures		CE2045	2013-14
Repair & Rehabilitation of Structures		CE2071	2013-14
Concrete Technoogy		CE6002	2013-14
Construction Planning & Scheduling		CE6005	2013-14
Housing Planning & Management		CE6007	2013-14
Ground Improvement Techniques		CE6012	2013-14
Tall Buildings		CE6015	2013-14
Total Quality Management		GE6757	2013-14
Prefabricated Structures		CE6016	2013-14
Repair & Rehabilitation of Structures		CE6021	2013-14
Air Pollution Management		CE6011	2013-14
Remote Sensing Techniques and GIS		CE6003	2013-14
Architecture		CE6004	2013-14
Professional Ethics in Engineering		GE6075	2013-14
Traffic Engineering and Management		CE6006	2013-14
Groundwater Engineering		CE6008	2013-14
Water Resources Systems Analysis		CE6009	2013-14
Pavement Engineering		CE6010	2013-14
Environmental Impact Assessment		EN6801	2013-14
Industrial Waste Management		CE6023	2013-14
Disaster Management		GE6083	2013-14
Bridge Structures		CE6013	2013-14
Storage Structures		CE6014	2013-14
Experimental Analysis of Stress		CE6017	2013-14
Human Rights		GE6084	2013-14
Computer Aided Design of Structures		CE6018	2013-14
Industrial Structures		CE6019	2013-14

Finite Element Techniques
Earthquake Geotechnical Engineering
Strength of Materials II
Applied Hydraulic Engineering
Water Supply Engineering
Irrigation Engineering
Waste Water Engineering
Professional Communication
Estimation, Costing and Valuation Engineering
Digital Cadastre
Advanced Surveying
Geographic Information System
Geoinformatics Applications for Civil Engineers
Total Station and GPS Surveying
Disaster Management
Human Rights
Ground Improvement Techniques
Introduction to Soil Dynamics and Machine Foundations
Rock Engineering
Urban Planning and Development
Air Pollution and Control Engineering
Intellectual Property Rights
Pavement Engineering
Traffic Engineering and Management
Transport and Environment
Industrial Structures
Environmental and Social Impact Assessment
Design of Prestressed Concrete Structures
Construction Planning and Scheduling
Municipal Solid Waste Management
Total Quality Management
Foundation Skills In Integrated Product Development
Coastal Engineering

B.E-Civil
Engineering

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CE6020	2013-14
CE6022	2013-14
CE8402	2017-18
CE8403	2017-18
EN8491	2017-18
CE8603	2017-18
EN8592	2017-18
HS8581	2017-18
CE8701	2017-18
GI8012	2017-18
GI8013	2017-18
GI8014	2017-18
GI8015	2017-18
GI8491	2017-18
GE8071	2017-18
GE8074	2017-18
CE8001	2017-18
CE8002	2017-18
CE8003	2017-18
CE8004	2017-18
CE8005	2017-18
GE8075	2017-18
CE8006	2017-18
CE8007	2017-18
CE8008	2017-18
CE8009	2017-18
CE8010	2017-18
CE8011	2017-18
CE8012	2017-18
EN8591	2017-18
GE8077	2017-18
GE8072	2017-18
CE8013	2017-18

Participatory Water Resources Management
Integrated Water Resources Management
Groundwater Engineering
Water Resources Systems Engineering
Geo-Environmental Engineering
Hydrology and Water Resources Engineering
Professional Ethics in Engineering
Computer Aided Design of Structures
Maintenance, Repair and Rehabilitation of Structures
Structural Dynamics and Earthquake Engineering
Prefabricated Structures
Bridge Engineering
Fundamentals of Nano Science
Human Computer Interaction
Professional Ethics in Engineering
Total Quality Management
Data Warehousing and Data Mining
Service Oriented Architecture
Information Retrieval
Game Programming
C# and .NET Programming
Knowledge Management
Cyber Forensics
Advanced Database Systems
Network Analysis and Management
Software Testing
Ad hoc and Sensor Networks
Bio Informatics
Digital Image Processing
Embedded and Real Time Systems
Data Analytics
Nano Computing
Social Network Analysis

CE8014	2017-18
CE8015	2017-18
CE8016	2017-18
CE8017	2017-18
CE8018	2017-18
CE8091	2017-18
GE8076	2017-18
CE8019	2017-18
CE8020	2017-18
CE8021	2017-18
CE8022	2017-18
CE8023	2017-18
GE8073	2017-18
CS6008	2013-14
GE6075	2013-14
GE6757	2013-14
IT6702	2013-14
IT6801	2013-14
CS6007	2013-14
CS6006	2013-14
CS6001	2013-14
IT6011	2013-14
CS6004	2013-14
CS6005	2013-14
CS6002	2013-14
IT6004	2013-14
CS6003	2013-14
BM6005	2013-14
IT6005	2013-14
EC6703	2013-14
IT6006	2013-14
CS6009	2013-14
CS6010	2013-14

Software Project Management
Natural Language Processing
Soft Computing
Problem Solving and Python Programming
Problem Solving and Python Programming Laboratory
Basic Electrical, Electronics and Measurement Engineering
Communication Engineering
Algebra and Number Theory
Cloud Computing
Data Warehousing and Data Mining
Software Testing
Embedded Systems
Agile Methodologies
Graph Theory and Applications-
Digital Signal Processing
Intellectual Property Rights
Big Data Analytics
Machine Learning Techniques
Computer Graphics and Multimedia
Software Project Management
Internet of Things
Service Oriented Architecture
Total Quality Management
Multi-core Architectures and Programming
Human Computer Interaction
C# and .Net Programming
Wireless Adhoc and Sensor Networks
Advanced Topics on Databases
Foundation Skills in Integrated Product Development
Human Rights
Disaster Management
Digital Image Processing
Social Network Analysis

B.E-Computer
Science and
Engineering

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MG6088	2013-14
CS6011	2013-14
CS6012	2013-14
GE8151	2017-18
GE8161	2017-18
BE8255	2017-18
EC8395	2017-18
MA8551	2017-18
CS8791	2017-18
CS8075	2017-18
IT8076	2017-18
IT8072	2017-18
CS8072	2017-18
CS8077	2017-18
IT8071	2017-18
GE8075	2017-18
CS8091	2017-18
CS8082	2017-18
CS8092	2017-18
IT8075	2017-18
CS8081	2017-18
IT8074	2017-18
GE8077	2017-18
CS8083	2017-18
CS8079	2017-18
CS8073	2017-18
CS8088	2017-18
CS8071	2017-18
GE8072	2017-18
GE8074	2017-18
GE8071	2017-18
EC8093	2017-18
CS8085	2017-18

Information Security
Software Defined Networks
Cyber Forensics
Soft Computing
Professional Ethics in Engineering
Information Retrieval Techniques
Green Computing
GPU Architecture and Programming
Natural Language Processing
Parallel Algorithms
Speech Processing
Fundamentals of Nano Science
Applied Probability and Statistics
Design and Management of Computer Networks
Multicore Architectures
Advanced Data Structures Laboratory
Case Study- Network Design
Theoretical Foundations of Computer Science
Principles of Programming Languages
Advanced Databases Laboratory
Case Study- Operating Systems Design
Software Process and Project Management
Formal models of software systems
Performance Evaluation of Computer Systems
Probabilistic Reasoning Systems
Data Analysis and Business Intelligence
Image Processing and Analysis
Sensing Techniques and Sensors
Randomized Algorithms
Mobile and Pervasive Computing
Parallel Programming Paradigms
Software Requirements Engineering
Speech Processing and Synthesis

IT8073	2017-18
CS8087	2017-18
CS8074	2017-18
CS8086	2017-18
GE8076	2017-18
CS8080	2017-18
CS8078	2017-18
CS8076	2017-18
CS8084	2017-18
CS8001	2017-18
IT8077	2017-18
GE8073	2017-18
MA7155	2013-14
CP7101	2013-14
CP7103	2013-14
CP7111	2013-14
CP7112	2013-14
CP7201	2013-14
CP7203	2013-14
CP7211	2013-14
CP7212	2013-14
CP7301	2013-14
SE7103	2013-14
CP7001	2013-14
CP7002	2013-14
CP7003	2013-14
CP7004	2013-14
NE7001	2013-14
CP7005	2013-14
NE7002	2013-14
CP7006	2013-14
CP7007	2013-14
CP7008	2013-14

Machine Learning Techniques
Concurrency Models
Real Time Systems
Computer Vision
Network and Information Security
Design and Analysis of Parallel Algorithms
Software Architectures
Model Checking and Program Verification
Embedded Software Development
Cloud Computing
Data Visualization Techniques
Protocols and Architecture for Wireless Sensor Networks
Language Technologies
Social Network Analysis
Managing Big Data
Mobile Application Development
Bio-inspired Computing
Medical Image Processing
Software Design
Reconfigurable Computing
Energy Aware Computing
Information Retrieval Techniques
Data Mining Techniques
Bio Informatics
Software Quality Assurance
Multi Objective Optimization Techniques
Enterprise Application Integration
Information Storage Management
Robotics
Compiler Optimization Techniques
Advanced Computer Architecture
Operating Systems Internal
Advanced Software Engineering

M.E -
Computer
Science
Engineering

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CP7009	2013-14
CP7010	2013-14
CP7011	2013-14
CP7012	2013-14
NE7202	2013-14
CP7013	2013-14
CP7014	2013-14
CP7015	2013-14
CP7016	2013-14
IF7202	2013-14
CP7017	2013-14
NE7005	2013-14
CP7018	2013-14
NE7012	2013-14
CP7019	2013-14
NE7011	2013-14
CP7020	2013-14
CP7021	2013-14
CP7022	2013-14
CP7023	2013-14
IF7013	2013-14
CP7024	2013-14
CP7025	2013-14
IF7002	2013-14
CP7026	2013-14
CP7027	2013-14
CP7028	2013-14
CP7029	2013-14
CP7030	2013-14
CP7031	2013-14
CP5152	2017-18
CP5153	2017-18
CP5154	2017-18

Machine Learning Techniques
Network Design and Technologies
Security Practices
Internet of Things
Big Analytics Data
Data Analytics Laboratory
Advanced Databases
Principles of Programming Languages
Image Processing and Analysis
Web Engineering
Cloud Computing Technologies
Real Time Systems
Mobile and Pervasive Computing
Parallel Programming Paradigms
Information Retrieval Techniques
Software Architectures and Design
Performance Analysis of Computer Systems
Language Technologies
Computer Vision
Speech Processing and Synthesis
Software Quality Assurance and Testing
Formal models of software systems
Embedded Software Development
Social Network Analysis
Bio-inspired Computing
Data Visualization Techniques
Reconfigurable Computing
Mobile Application Development
Bio Informatics
Information Storage Management
Term Paper Writing and Seminar
Transmission and Distribution
Discrete Time Systems and Signal Processing

CP5159	2017-18
CP5201	2017-18
CP5291	2017-18
CP5292	2017-18
CP5293	2017-18
CP5261	2017-18
IF5191	2017-18
CP5001	2017-18
CP5071	2017-18
CP5091	2017-18
CP5092	2017-18
MP5291	2017-18
CP5093	2017-18
CP5002	2017-18
CP5094	2017-18
CP5072	2017-18
CP5003	2017-18
CP5004	2017-18
CP5095	2017-18
CP5096	2017-18
CP5005	2017-18
CP5006	2017-18
CP5073	2017-18
CP5074	2017-18
CP5007	2017-18
CP5009	2017-18
CP5010	2017-18
CP5097	2017-18
CP5075	2017-18
CP5076	2017-18
CP5281	2017-18
EE6402	2013-14
EE6403	2013-14

Embedded Systems
Power System Operation and Control
Design of Electrical Machines
Advanced Control System
Optimisation Techniques
Biomedical Instrumentation
Microcontroller Based System Design
Power Electronics for Renewable Energy Systems
Electronics Laboratory
Linear and Digital Integrated Circuits Laboratory
Control and Instrumentation Laboratory
Power Electronics and Drives Laboratory
Visual Languages and Applications
Advanced Control System
Power System Transients
Optimisation Techniques
Fibre Optics and Laser Instruments
Biomedical Instrumentation
Flexible AC Transmission Systems
Power Quality
Applied Soft Computing
Fundamentals of Nanoscience
System Identification and Adaptive Control
Micro Electro Mechanical Systems
Microcontroller Based System Design
Power Electronics for Renewable Energy Systems
High Voltage Direct Current Transmission
Power System Dynamics
Principles of Robotics
Disaster Management
Professional Ethics in Engineering
Total Quality Management
Advanced Digital Signal Processing

B.E-Electrical

EE6602	2013-14
EE6603	2013-14
EE6604	2013-14
IC6601	2013-14
EE6603	2013-14
EI6704	2013-14
EE6008	2013-14
EE6009	2013-14
EC6361	2013-14
EE6311	2013-14
EE6511	2013-14
EE6611	2013-14
EE6001	2013-14
IC6601	2013-14
EE6002	2013-14
EE6003	2013-14
EI6703	2013-14
EI6704	2013-14
EE6004	2013-14
EE6005	2013-14
EE6006	2013-14
GE6081	2013-14
IC6002	2013-14
EE6007	2013-14
EE6008	2013-14
EE6009	2013-14
EE6010	2013-14
EE6011	2013-14
IC6003	2013-14
GE6083	2013-14
GE6075	2013-14
GE6757	2013-14
EC6002	2013-14

Computer Aided Design of Electrical Apparatus
VLSI Design
Human Rights
Probability and Statistics
Data Structures and Algorithms
Problem Solving and Python Programming
Problem Solving and Python Programming Laboratory
Technical Seminar
Digital Signal Processing
Professional Communication
Renewable Energy Systems
Advanced Databases
Principles of Programming Languages
Image Processing and Analysis
Web Engineering
Cloud Computing Technologies
Real Time Systems
Mobile and Pervasive Computing
Parallel Programming Paradigms
Information Retrieval Techniques
Software Architectures and Design
Performance Analysis of Computer Systems
Language Technologies
Computer Vision
Speech Processing and Synthesis
Software Quality Assurance and Testing
Formal models of software systems
Embedded Software Development
Social Network Analysis
Bio-inspired Computing
Compiler Optimization Techniques
Data Visualization Techniques
Reconfigurable Computing

and
Electronics
Engineering

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EE6012	2013-14
EC6601	2013-14
GE6084	2013-14
MA6468	2013-14
EI6001	2013-14
GE8151	2017-18
GE8161	2017-18
EE8412	2017-18
EE8591	2017-18
HS8581	2017-18
EE8703	2017-18
IF5191	2017-18
CP5001	2017-18
CP5071	2017-18
CP5091	2017-18
CP5092	2017-18
MP5291	2017-18
CP5093	2017-18
CP5002	2017-18
CP5094	2017-18
CP5072	2017-18
CP5003	2017-18
CP5004	2017-18
CP5095	2017-18
CP5096	2017-18
CP5005	2017-18
CP5006	2017-18
CP5073	2017-18
CP5074	2017-18
CP5007	2017-18
CP5008	2017-18
CP5009	2017-18
CP5010	2017-18

Mobile Application Development			CP5097	2017-18
Bio Informatics			CP5075	2017-18
Information Storage Management			CP5076	2017-18
Renewable Energy Systems Laboratory			EE8712	2017-18
Analysis and Design of Inverters			PX7103	2013-14
Advanced Power Semiconductor Devices			PX7104	2013-14
Power Quality			PX7204	2013-14
Power Electronics for Renewable Energy Systems			PX7301	2013-14
System Theory			CL7103	2013-14
Microcontroller Based System Design			ET7102	2013-14
Electromagnetic Field Computation and Modelling			PX7001	2013-14
Soft Computing Techniques			CL7204	2013-14
Digital Simulation of Power Electronic Circuits Laboratory			EB7212	2013-14
VLSI Architecture and Design Methodologies			ET7201	2013-14
Flexible AC Transmission Systems			PS7202	2013-14
Energy Management and Auditing			PS7002	2013-14
SMPS and UPS			PX7002	2013-14
High Voltage Direct Current Transmission			PS7005	2013-14
Application of MEMS Technology			ET7014	2013-14
Solar and Energy Storage Systems			PS7004	2013-14
Wind Energy Conversion Systems			PS7007	2013-14
Non Linear Dynamics for Power Electronics Circuits			PX7003	2013-14
Smart Grid			PS7008	2013-14
Power Semiconductor Devices			PX5101	2017-18
Solid State Drives			PX5202	2017-18
Power Electronics Circuits Lab	M.E- Power	415	PX5111	2017-18
Analysis and Design of Power Converters	Electronics		PX5152	2017-18
System Theory	and Drive		IN5152	2017-18
Soft Computing Techniques			IN5091	2017-18
Electromagnetic Field Computation and Modelling			PX5001	2017-18
Control System Design for Power Electronics			PX5091	2017-18
Analog and Digital Controllers			PX5002	2017-18
Flexible AC Transmission Systems			PX5003	2017-18

Modern Rectifiers and Resonant Converters
Electromagnetic Interference and Compatibility
MEMS Technology
Distributed Generation and Microgrid
High Voltage Direct Current Transmission
Solar and Energy Storage Systems
Wind Energy Conversion Systems
Energy Management and Auditing
Electric Vehicles and Power Management
Non Linear Dynamics for Power Electronics Circuits
Smart Grid
Power Electronics for Renewable Energy Systems
Robotics and Control
Non Linear Control
Electrical Drives Laboratory
Medical Electronics
Professional Ethics in Engineering
High Speed Networks
Digital Image Processing
Robotics and Automation
Satellite Communication
Web Technology
Cognitive Radio
Opto Electronic Devices
Total Quality Management
Embedded and Real Time Systems
Wireless Networks
Electro Magnetic Interference & Compatibility
Electrical Engineering and Instrumentation
Embedded laboratory
Analog and Digital circuits laboratory
Advanced Digital Signal Processing
Operating Systems

PX5004	2017-18
PX5092	2017-18
ET5091	2017-18
PS5071	2017-18
PX5005	2017-18
PS5092	2017-18
PX5071	2017-18
PS5072	2017-18
PS5073	2017-18
PX5006	2017-18
PS5091	2017-18
PX5072	2017-18
IN5079	2017-18
PX5007	2017-18
PX5211	2017-18
EC2021	2013-14
GE2025	2013-14
CS2060	2013-14
EC2029	2013-14
EC6003	2013-14
EC6004	2013-14
EC6008	2013-14
EC6014	2013-14
EC6016	2013-14
GE6757	2013-14
EC6703	2013-14
EC6802	2013-14
EC6011	2013-14
EE6352	2013-14
EC6711	2013-14
EC6311	2013-14
EC6002	2013-14
CS6401	2013-14

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Electronic Testing
Avionics
Soft Computing
Digital Image Processing
Foundation Skills in Integrated Product Development
Speech Processing
Advanced Computer Architecture
Electronics Packaging
CMOS Analog IC Design
Advanced Microprocessors and Microcontrollers
Radar and Navigational Aids
RF System Design
Ad hoc and Sensors Networks
Indian Constitution and Society
Multimedia Compression and Communication
Disaster Management
Data Converters
Cryptography and Network Security
Total Quality Management
Entrepreneurship Development
Software Project Management
Human Rights
Problem Solving and Python Programming
Problem Solving and Python Programming Laboratory
Basic Electrical and Instrumentation Engineering
Circuit Analysis
Linear Algebra and Partial Differential Equations
Circuits and Design Simulation Laboratory
Discrete Time Signal Processing
Communication Networks
Communication Networks Laboratory
Transmission and RF Systems
Technical Seminar

B.E-
Electronics
and
Communication
Engineering

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EC6005	2013-14
EC6006	2013-14
CS6012	2013-14
IT6005	2013-14
CS6013	2013-14
EC6007	2013-14
EC6009	2013-14
EC 6010	2013-14
EC6012	2013-14
EC6013	2013-14
EC6015	2013-14
EC6017	2013-14
CS6003	2013-14
GE6082	2013-14
EC6018	2013-14
GE6083	2013-14
EC6019	2013-14
CS6701	2013-14
GE6757	2013-14
MG6071	2013-14
MG6088	2013-14
GE6084	2013-14
GE8151	2017-18
GE8161	2017-18
BE8254	2017-18
EC8251	2017-18
MA8352	2017-18
EC8461	2017-18
EC8553	2017-18
EC8551	2017-18
EC8563	2017-18
EC8651	2017-18
EC8611	2017-18

Antenna and Microwave Engineering
Adhoc and Wireless Sensor Networks
Object Oriented Programming
Medical Electronics
Operating Systems
Robotics and Automation
Nano Technology and Applications
Human Rights
Total Quality Management
Cryptography and Network Security
Advanced Digital Signal Processing
MEMS and NEMS
Multimedia Compression and Communication
CMOS Analog IC Design
Wireless Networks
Intellectual Property Rights
Advanced Wireless Communication
Cognitive Radio
Foundation Skills in Integrated Product Development
Machine Learning Techniques
Electronics Packaging and Testing
Mixed Signal IC Design
Disaster Management
Electro Magnetic Interference and Compatibility
Photonic Networks
Compressive Sensing
Digital Image Processing
Professional Ethics in Engineering
Video Analytics
DSP Architecture and Programming
Satellite Communication
Soft Computing
Principles of Speech Processing

EC8701	2017-18
EC8702	2017-18
CS8392	2017-18
EC8073	2017-18
CS8493	2017-18
EC8074	2017-18
EC8075	2017-18
GE8074	2017-18
GE8077	2017-18
CS8792	2017-18
EC8091	2017-18
EC8001	2017-18
EC8002	2017-18
EC8003	2017-18
EC8004	2017-18
GE8075	2017-18
EC8092	2017-18
EC8071	2017-18
GE8072	2017-18
CS8082	2017-18
EC8005	2017-18
EC8006	2017-18
GE8071	2017-18
EC8072	2017-18
EC8008	2017-18
EC8009	2017-18
EC8093	2017-18
GE8076	2017-18
EC8010	2017-18
EC8011	2017-18
EC8094	2017-18
CS8086	2017-18
IT8006	2017-18

Fundamentals of Nano Science			GE8073	2017-18
Advanced Communication Laboratory			EC8761	2017-18
Advanced Digital Communication Techniques			CU7102	2013-14
Optical Networks			CU7103	2013-14
Wireless Communication Networks			CU7201	2013-14
MIC and RF System Design			CU7202	2013-14
Electromagnetic Interference and Compatibility			AP7301	2013-14
Innovative System Design Laboratory			CU7211	2013-14
Advanced Satellite Based Systems			CU7301	2013-14
Advanced Digital Image Processing			DS7201	2013-14
High Performance Networks			NC7101	2013-14
Real Time Embedded Systems			CU7001	2017-18
MEMS and NEMS			CU7002	2017-18
ASIC and FPGA Design			AP7202	2017-18
Communication Network Modelling and Simulation			NC7102	2017-18
Detection and Estimation Theory			CU7004	2017-18
VLSI for Wireless Communication			VL7013	2017-18
Cognitive Radio			CU7005	2017-18
Speech And Audio Signal Processing			DS7071	2017-18
Radar Signal Processing			DS7202	2017-18
Speech Processing and Synthesis			CP7008	2017-18
Wavelet Transforms and Applications			CU7006	2017-18
DSP Processor Architecture and Programming			DS7101	2017-18
Reconfigurable Computing			CP7023	2017-18
Wireless Adhoc and Sensor Networks			NC7202	2017-18
Internetworking Multimedia			CU7007	2017-18
Multimedia Compression Techniques			NC7002	2017-18
Ultra Wide Band Communication			CU7008	2017-18
Soft Computing			IF7301	2017-18
Network Processor			NC7003	2017-18
Network Management			NE7007	2017-18
Communication Network Security			NC7201	2017-18
Neural Network and Applications			CU7009	2017-18

M.E-
Communication
Systems

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Advanced Wireless Communication Techniques
RF and System Design Laboratory
Term Paper Writing and Seminar
Millimeter Wave Communication
Advanced Satellite Communication and Navigation Systems
Analog and Mixed Mode VLSI Design
Advanced Antenna Design
Advanced Digital Image Processing
Advanced Wireless Networks
Broadband Access Technologies
Software Defined Radio
Space Time Wireless Communication
Pattern Recognition and Machine Learning
Network Routing Algorithms
Internet of Things
High Performance Switching Architectures
Broad Band Access Techniques
Operating System
Power Plant Instrumentation
Robotics And Automation
Professional Ethics And Engineering
Total Quality Management
Micro Electro Mechanical System
Instrumentation In Petrochemical Industries
Disaster Management
Computer Architecture
MEMS and Nano Science
Power Electronics and Drives
System Identification
Computer Networks
Intellectual Property Rights
Adaptive Control
Advanced Instrumentation Systems

CU5291	2017-18
CU5211	2017-18
CP5281	2017-18
CU5301	2017-18
CU5091	2017-18
CU5001	2017-18
CU5003	2017-18
DS5291	2017-18
NC5252	2017-18
EL5071	2017-18
CU5094	2017-18
CU5095	2017-18
CU5096	2017-18
NC5071	2017-18
CP5292	2017-18
CU5004	2017-18
EL5071	2017-18
CS2411	2013-14
EI2021	2013-14
EE2023	2013-14
GE2025	2013-14
GE6757	2013-14
EE6007	2013-14
EI6003	2013-14
GE6083	2013-14
CS6303	2013-14
EE8072	2017-18
EI8077	2017-18
IC8072	2017-18
EI8074	2017-18
GE8075	2017-18
EI8071	2017-18
EI8072	2017-18

Applied Soft Computing	B.E- Electronics and Instrumentation Engineering	107	EE8071	2017-18
Fibre Optics and Laser Instrumentation			EI8075	2017-18
Electromagnetic Theory			EE8391	2017-18
Disaster Management			GE8071	2017-18
Human Rights			GE8074	2017-18
Operations Research			MG8491	2017-18
Foundation Skills in Integrated Product Development			GE8072	2017-18
Thermal Power Plant Instrumentation			EI8092	2017-18
Advanced Digital Signal Processing			EC8091	2017-18
Optimal Control			EI8076	2017-18
Radar and Navigational Aids			TL8071	2017-18
Total Quality Management			GE8077	2017-18
VLSI Design			EC8095	2017-18
Biomedical Instrumentation			EI8073	2017-18
Instrumentation in Petrochemical Industries			EI8091	2017-18
Professional Ethics in Engineering			GE8076	2017-18
Principles of Management			MG8591	2017-18
Project Management and Finance			EI8078	2017-18
Advanced Process Control			IC8071	2017-18
Unit Operation and Control			EI8093	2017-18
Robotics and Automation			EI8079	2017-18
Fundamentals of Nano Science			GE8073	2017-18
Problem Solving and Python Programming			GE8151	2017-18
Problem Solving and Python Programming Laboratory			GE8161	2017-18
Devices and Machines Laboratory			EI8461	2017-18
Data Structures			CS8391	2017-18
Data Structures Laboratory			CS8381	2017-18
Professional Communication			HS8581	2017-18
Digital Image Processing			EC8093	2017-18
Software Testing			IT2032	2013-14
Enterprise Resource Planning			IT2041	2013-14
E-Commerce			IT2031	2013-14
C# and .NET Framework	CS2041	2013-14		

User Interface Design
Numerical Methods
Indian Constitution and Society
Total Quality Management
Software Design
Professional Ethics in Engineering
Advanced Database Technology
Software Project Management
Cyber Forensics
Software Quality Assurance
Business Intelligence
Multimedia Compression Techniques
Information Theory and Coding Techniques
Soft Computing
Human Rights
Digital Image Processing
Ad hoc and Sensor Networks
Data Analytics
Free and Open Source Software
Network Programming and Management
Theory of Computation
Web Engineering
Disaster Management
Bio Informatics
Graph Theory and Applications
Social Network Analysis
Foundation Skills in Integrated Product Development
Knowledge Management
TCP/ IP Design and Implementation
Human Computer Interaction
Problem Solving and Python Programming
Problem Solving and Python Programming Laboratory
Basic Electrical, Electronics and Measurement Engineering

IT2024	2013-14
MA2264	2013-14
GE2072	2013-14
GE2022	2013-14
IT2053	2013-14
GE2025	2013-14
IT6001	2013-14
MG6088	2013-14
CS6004	2013-14
IT6013	2013-14
IT6010	2013-14
IT6003	2013-14
IT6002	2013-14
CS6012	2013-14
GE6084	2013-14
IT6005	2013-14
CS6003	2013-14
IT6006	2013-14
IT6007	2013-14
IT6008	2013-14
CS6503	2013-14
IT6009	2013-14
GE6083	2013-14
BM6005	2013-14
CS6702	2013-14
CS6010	2013-14
CS6013	2013-14
IT6011	2013-14
IT6012	2013-14
CS6008	2013-14
GE8151	2017-18
GE8161	2017-18
BE8255	2017-18

Discrete Mathematics
Probability and Statistics
Advance Reading and Writing
Algebra and Number Theory
Web Technology
Web Technology Laboratory
Computational Intelligence
Big Data Analytics
Computer Graphics and Multimedia
Cloud Computing
Software Testing
Graph Theory and Applications
Digital Signal Processing
Information Storage and Management
Agile Methodologies
Embedded Systems
Intellectual Property Rights
Web Development Frameworks
Machine Learning Techniques
Formal Languages and Automata Theory
Internet of Things
Software Project Management
Service Oriented Architecture
Total Quality Management
Human Computer Interaction
C# and .Net Programming
Wireless Adhoc and Sensor Networks
Foundation Skills in Integrated Product Development
Advanced Topics on Databases
Human Rights
Disaster Management
Social Network Analysis
Soft Computing

B.Tech-
Information
Technology

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MA8351	2017-18
MA8391	2017-18
HS8461	2017-18
MA8551	2017-18
IT8501	2017-18
IT8511	2017-18
IT8601	2017-18
CS8091	2017-18
CS8092	2017-18
CS8791	2017-18
IT8076	2017-18
CS8077	2017-18
IT8071	2017-18
IT8001	2017-18
CS8072	2017-18
IT8072	2017-18
GE8075	2017-18
IT8002	2017-18
CS8082	2017-18
IT8003	2017-18
CS8081	2017-18
IT8075	2017-18
IT8074	2017-18
GE8077	2017-18
CS8079	2017-18
CS8073	2017-18
CS8088	2017-18
GE8072	2017-18
CS8071	2017-18
GE8074	2017-18
GE8071	2017-18
CS8085	2017-18
CS8086	2017-18

Cyber Forensics
Information Security
Digital Image Processing
Network Management
Professional Ethics in Engineering
Information Retrieval Techniques
Green Computing
Natural Language Processing
Speech Processing
Web Design and Management
Electronic Commerce
Fundamentals of Nano Science
FOSS and Cloud Computing
Unconventional Machining Processes
Quality Control and Reliability Engineering
Process Planning and Cost Estimation
Nuclear Engineering
Production Planning and Control
Advanced IC Engines
Maintenance Engineering
Production Planning and Control
Entrepreneurship Development
Non Destructive Testing and Materials
Marketing Management
Refrigeration and Air conditioning
Renewable Sources of Energy
Design of Jigs, Fixtures and Press Tools
Composite Materials and Mechanics
Welding Technology
Energy Conservation and Management
Disaster Management
Robotics
Fundamentals of Nanoscience

CS8074	2017-18
IT8073	2017-18
EC8093	2017-18
IT8004	2017-18
GE8076	2017-18
CS8080	2017-18
CS8078	2017-18
CS8084	2017-18
IT8077	2017-18
IT8078	2017-18
IT8005	2017-18
GE8073	2017-18
IT8711	2017-18
ME2026	2013-14
ME2021	2013-14
ME2027	2013-14
ME2034	2013-14
ME2036	2013-14
ME2041	2013-14
ME6012	2013-14
IE6605	2013-14
MG6071	2013-14
ME6019	2013-14
MG6072	2013-14
ME6002	2013-14
ME6003	2013-14
ME6006	2013-14
ME6007	2013-14
ME6008	2013-14
ME6009	2013-14
GE6083	2013-14
ME6010	2013-14
GE6081	2013-14

Thermal Turbo Machines
Micro Electro Mechanical Systems
Hydraulics and Pneumatics
Design of Pressure Vessels and Piping
Computational Fluid Dynamics
Operations Research
Human Rights
Design of Heat Exchangers
Additive Manufacturing
Vibration and Noise Control
Problem Solving and Python Programming
Problem Solving and Python Programming Laboratory
Basic Electrical, Electronics and Instrumentation Engineering
Basic Electrical, Electronics and Instrumentation Engineering
Computer Aided Machine Drawing
Interpersonal Skills / Listening and Speaking
Engineering Metallurgy
Thermal Engineering -II
Kinematics and Dynamics Laboratory
Computer Aided Design and Manufacturing
Hydraulics and Pneumatics
Process Planning and Cost Estimation
Automobile Engineering
Welding Technology
Gas Dynamics and Jet Propulsion
Intellectual Property Rights
Fundamentals of Nano Science
Refrigeration and Air conditioning
Renewable Sources of Energy
Quality Control and Reliability Engineering
Unconventional Machining Processes
Operations Research
Additive Manufacturing

B.E-
Mechanical
Engineering

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ME6011	2013-14
EE6007	2013-14
ME6021	2013-14
ME6013	2013-14
ME6014	2013-14
ME6015	2013-14
GE6084	2013-14
ME6017	2013-14
ME6018	2013-14
ME6020	2013-14
GE8151	2017-18
GE8161	2017-18
BE8253	2017-18
BE8261	2017-18
ME8381	2017-18
HS8381	2017-18
ME8491	2017-18
ME8595	2017-18
ME8511	2017-18
ME8691	2017-18
ME8694	2017-18
ME8793	2017-18
ME8091	2017-18
PR8592	2017-18
ME8096	2017-18
GE8075	2017-18
GE8073	2017-18
ME8071	2017-18
ME8072	2017-18
ME8098	2017-18
ME8073	2017-18
MG8491	2017-18
MF8071	2017-18

Total Quality Management
Robotics
Design of Jigs, Fixtures and Press Tools
Computational Fluid Dynamics
Non Destructive Testing and Evaluation
Composite Materials and Mechanics
Foundation Skills in Integrated Product Development
Human Rights
Disaster Management
Production Planning and Control
Entrepreneurship Development
Computer Integrated Manufacturing Systems
Vibration and Noise Control
Micro Electro Mechanical Systems
Professional Ethics in Engineering
Technical Seminar
Applied Probability and Statistics
Micro Manufacturing
CAD CAM Laboratory
Optimization Techniques in Manufacturing
Manufacturing Metrology and Quality Engineering
Theory of Metal Forming
Automation and Metal Forming Lab
Fluid Power Automation
Design for Manufacture and Assembly
Advances in Casting and Welding
Metal Cutting Theory and Practice
Finite Element Methods for Manufacturing Engineering
Materials Management
Industrial Ergonomics
Polymers and Composite Materials
Non-Destructive Evaluation
Lean Manufacturing

GE8077	2017-18
ME8099	2017-18
ME8095	2017-18
ME8093	2017-18
ME8097	2017-18
ME8092	2017-18
GE8072	2017-18
GE8074	2017-18
GE8071	2017-18
IE8693	2017-18
MG8091	2017-18
ME8094	2017-18
ME8074	2017-18
EE8091	2017-18
GE8076	2017-18
ME8712	2017-18
MA7165	2013-14
MF7103	2013-14
MF7111	2013-14
MF7201	2013-14
MF7202	2013-14
MF7203	2013-14
MF7211	2013-14
MF7001	2013-14
MF7002	2013-14
MF7003	2013-14
MF7004	2013-14
MF7005	2013-14
MF7006	2013-14
MF7007	2013-14
MF7008	2013-14
MF7009	2013-14
MF7010	2013-14

Quality and Reliability Engineering
Computer Aided Product Design
Financial Management
Manufacturing Management
Research Methodology
Nanotechnology
Materials Testing and Characterization Techniques
Mechatronics
Advanced in Manufacturing Technology
Computer Integrated Manufacturing Systems
Advances in Casting and Welding
Metal Cutting theory and Practice
Advances in Metrology and Inspection
Tooling for Manufacturing
Fluid Power Automation
Design for Manufacture and Assembly
Micro Manufacturing
Quality and Reliability Engineering
Finite Element Methods for Manufacturing Engineering
Materials Management
Industrial Ergonomics
Polymers and Composite Materials
Non-Destructive Testing and Evaluation
Lean Manufacturing
Robot Design and Programming
MEMS and Nanotechnology
Computer Aided Product Design
Process Planning and Cost Estimation
Manufacturing Management
Research Methodology
Nanotechnology
Materials Testing and Characterization Techniques
Mechatronics

M.E-
Manufacturing
Engineering

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MF7011	2013-14
MF7012	2013-14
MF7013	2013-14
MF7014	2013-14
MF7015	2013-14
MF7016	2013-14
MF7017	2013-14
MF7018	2013-14
MF5101	2017-18
MF5102	2017-18
MF5103	2017-18
MF5104	2017-18
CM5251	2017-18
MF5203	2017-18
MF5001	2017-18
MF5002	2017-18
MF5003	2017-18
MF5004	2017-18
MF5005	2017-18
MF5006	2017-18
MF5007	2017-18
MF5008	2017-18
MF5009	2017-18
MF5071	2017-18
MF5010	2017-18
MF5011	2017-18
MF5012	2017-18
MF5013	2017-18
MF5014	2017-18
MF5072	2017-18
MF5015	2017-18
MF5016	2017-18
MF5017	2017-18

Internet of Things for Manufacturing	MF5073	2017-18
Data Analytics	IL5091	2017-18
Manufacturing System Simulation	CM5093	2017-18
Product Lifecycle Management	PD5091	2017-18
Additive Manufacturing	CM5091	2017-18
Product Design and Development	MF5018	2017-18
Entrepreneurship Development	MF5074	2017-18
Industrial Safety	MF5075	2017-18
Technical Seminar	MF5212	2017-18