



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

(Autonomous)

Kokapet (Village), Gandipet, Hyderabad, Telangana – 500075

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## EXTENDED PROFILE

### 3.1 Number of courses in all programs year-wise during last five years

HEI Input:

2021-22	2020-21	2019-20	2018-19	2017-18
1296	1296	1091	1053	1127

## NUMBER OF COURSES IN ALL PROGRAMS YEAR-WISE FOR THE ACADEMIC YEAR: 2018-19

### INDEX

S. No.	Particulars	Page Numbers
1.	Number of Courses in all Programs Year-Wise for the Academic Year: 2018-19	2-21

**List of courses offered across all programs during 2018-19**

Program code	Program name	Course code	Course name	Year of offering the course
		18MT C01	Mathematics-I	
		18PY C03	Introduction to Mechanics and Electromagnetic Theory	
		18CS C01	Programming for Problem Solving	
		18EG C01	English	
		18PY C06	Mechanics and Electromagnetic Lab	
		18CS C02	Programming for Problem Solving Lab	
		18ME C02	Workshop/Manufacturing Practice	
		18EG C02	English Lab	
		18MT C03	Mathematics-II	
		18CY C01	Chemistry	
		18CE C01	Engineering Mechanics	
		18ME C01	Engineering Graphics and Design	
		18EE C01	Basic Electrical Engineering	
		18EE C02	Basic Electrical Engineering Lab	
		18CY C02	Chemistry Lab	
		16CE C03	Surveying	
		16CE C04	Building Materials Planning and Construction	
		16CE C05	Strength of Materials-I	
		16CE C06	Engineering Geology	
		16MT C05	Engineering Mathematics-III	
		16MB C01	Engineering Economics and Accountancy	
		16CE C07	Surveying Lab-I	
		16CE C08	Engineering Geology Lab	
		16CE C09	Computer Aided Civil Engineering Drafting Lab	
		16CE C10	Transportation Engineering	
		16CE C11	Construction Management and Administration	
		16CE C12	Water and Waste Water Engineering	
		16CE C13	Strength of Materials-II	
		16CE C14	Fluid Mechanics-I	
		16CE C15	Strength of Materials Lab	
		16CE C16	Surveying –II Lab	
		16EG C03	Soft Skills and Employability Enhancement Lab	
		16CE C17	Survey Camp	
		16CE C18	Reinforced Concrete Design-I	
		16CE C19	Soil Mechanics	
		16CE C20	Theory of structures-I	
		16CE C21	Concrete Technology	
		16CE C22	Fluid Mechanics-II	
		16CE C23	Fluid Mechanics Lab	
		16CE C24	Environmental Engineering Lab	
		16CE C25	Concrete Laboratory	
732	B.E- Civil Engineering	16CE E01	Rock Mechanics	
		16CE E02	Advanced Surveying	
		16CE E03	Advanced Strength of Materials	
		16CE C 26	Theory of Structures-II	
		16CE C27	Reinforced Concrete Design-II	
		16CE C28	Water Resources Engineering-I	
		16CE C29	Foundation Engineering	
		16CE C30	Soil Mechanics Laboratory	
		16CE C31	Hydraulics and Hydraulic Machinery Lab	
		16CE C32	Transportation Engineering Lab	
		16CE E04	Finite Element Method	
		16CE E05	GIS and Remote Sensing	
		16CE E06	Artificial Neural Networks, Fuzzy Logic and Expert Systems	
		16CE C33	Industrial Visit	
		CE 411	Design of Steel structures-II	
		CE 412	Estimation and Specifications	
				2018-19



Program code	Program name	Course code	Course name	Year of offering the course
		CE 413	Foundation Engineering	
		CE 414	Water Resources Engineering-II	
		CE 415	Concrete Technology	
		CE 416	Concrete Technology Lab	
		CE 417	Computer Applications in Civil Engineering Lab	
		CE 418	Project Seminar	
		CE 451	Elements of Earthquake Engineering	
		CE 452	Surface and Ground Water Management	
		CE 453	Health Monitoring of Structures	
		CE 454	Finite Element Method	
		CE 455	Design and Detailing of Irrigation Structures	
		ME 464	Entrepreneurship	
		CE 421	Construction Management and Administration	
		CE 462	Advanced Reinforced Concrete Design	
		CE 423	Seminar	
		CE 424	Project	
		CE 461	Ground Improvement Techniques	
		CE 422	Disaster Mitigation and Management	
		CE 463	Construction Technology and Project Management	
		CE 464	Bridge Engineering	
		CE 465	Services, Maintenance and Repair of Buildings	
		ME 414	Operations Research	
		CE 466	Urban and Rural planning	
		CE 467	Transportation Planning	
		CE 468	Sustainable Development and Value Engineering	
		CE 469	Water Shed Management	
		ME 472	Intellectual Property Rights	
		18MTC01	Mathematics -I	
		18PYC03	Introduction To Mechanics And Electromagnetic Theory	
		18CSC01	Programming for Problem Solving	
		18EGC01	English	
		18PYC06	Mechanics And Electromagnetic Lab	
		18CSC02	Programming for Problem Solving Lab	
		18MEC02	Workshop/Manufacturing Practice	
		18EGC02	English Lab	
		18MTC03	Mathematics -II	
		18CYC01	Chemistry	
		18CEC01	Engineering Mechanics	
		18MEC01	Engineering Graphics and Design	
		18EEC01	Basic Electrical Engineering	
		18EEC02	Basic Electrical Engineering Lab	
		18CYC02	Chemistry Lab	
		16MT C05	Engineering Mathematics-III	
		16ME C04	Material Science and Metallurgy	
		16ME C05	Mechanics of Materials	
		16ME C06	Fluid Dynamics	
		16ME C07	Machine Drawing	
		16MB C01	Engineering Economics and Accountancy	
		16ME C08	Material Science and Metallurgy Lab	
		16ME C09	Mechanics of Materials Lab	
		16ME C10	Computer Drafting Lab	
		16ME C14	Kinematics of Machines	
		16ME C15	Thermodynamics	
		16ME C16	Hydraulic Machinery and Systems	
		16ME C17	Manufacturing Processes	
		16EE C14	Electrical Machines and Microcontroller Applications	
		16ME C18	Hydraulic Machinery and Systems Lab	
		16ME C19	Manufacturing Processes Lab	



Program code	Program name	Course code	Course name	Year of offering the course
736	B.E- Mechanical Engineering	16EG C03	Soft Skills and Employability Enhancement Lab	2020-21
		16ME C20	Dynamics of Machines	
		16ME C21	Applied Thermodynamics & Heat Transfer	
		16ME C22	Design of Machine Elements	
		16ME E01	Refrigeration and Air Conditioning	
		16ME E02	Mechanical Vibrations	
		16PE E02	Product Design and Process Planning	
		16PE E05	Principles of Industrial Engineering	
		16ME E03	Fuels, Combustion and Environment	
		16PE E03	Non Destructive Testing and Evaluation	
		16PE E04	Plastics, Ceramics and Composite Materials	
		16MT E04	Probability and Numerical Methods	
		16ME C23	Dynamics & Vibrations Lab	
		16ME C24	Applied Thermodynamics & Heat Transfer Lab	
		16EE C22	Electrical Machines & Microcontroller Applications Lab	
		16ME C25	Industrial Visit	
		16ME C26	CAD and CAM	
		16ME C27	Metal Cutting and Machine Tool Engineering	
		16ME C28	Thermal Turbo Machines	
		16ME C29	Machine Design	
		16ME E05	Advanced IC Engines	
		16ME E06	Computational Fluid Dynamics	
		16ME E07	Automobile Engineering	
		16PE E10	Digital Manufacturing	
		16ME E08	Heat and Mass Transfer	
		16ME E09	Object Oriented Programming With C++	
		16PE E08	Modern Machining and Forming Methods	
		16PE E09	Surface Engineering	
		16ME C30	CAD and CAM Lab	
		16ME C31	Metal Cutting and Machine Tool Engineering Lab	
		16ME C32	Thermal Engineering Lab	
		ME 411	Thermal Turbo Machines	
		ME 412	Metrology and Instrumentation	
		ME 413	Finite Element Analysis	
		ME 414	Operations Research	
		ME 461	Renewable Energy	
		ME 462	Computational Fluid Dynamics	
		ME 463	Automobile Engineering	
		ME 464	Entrepreneurship	
		PE 461	Robotics	
		CE 461	Disaster Mitigation and Management	
		ME 415	Thermal Engineering Lab	
		ME 416	Metrology and Instrumentation Lab	
		ME 417	Computer Aided Engineering Lab	
		ME 418	Project Seminar	
		ME 464	Entrepreneurship	
		ME 419	Industrial Administration and Financial Management	
		ME 421	Production and Operations Management	
ME 422	Production Drawing			
ME 471	Power Plant Engineering			
ME 472	Intellectual Property Rights			
ME 473	Mechatronics			
ME 474	Mechanics of Composite Materials			
ME 475	Supply Chain Management			
PE 471	Manufacturing Systems and Simulation			
PE 412	Modern Machining and Forming Methods			
PE 481	Micro Manufacturing			
PE 482	Non - Destructive Testing and Evaluation			



Program code	Program name	Course code	Course name	Year of offering the course
		PE 483	Product Design and Process Planning	
		PE 484	Nano Materials and Technology	
		CSE 481	Information Security	
		ME 423	Seminar	
		ME 901	Project	
		ME 414	Operations Research	
		ME 419	Industrial Administration and Financial Management	
		ME 464	Entrepreneurship	
		ME 472	Intellectual Property Rights	
		18MTC01	Mathematics -I	
		18PYC04	Waves, Optics and Introduction To Quantum Mechanics	
		18CSC01	Programming for Problem Solving	
		18EGC01	English	
		18PYC07	Waves and Optics Laboratory	
		18CSC02	Programming and Problem Solving Lab	
		18MEC02	Workshop/ Manufacturing Practice	
		18EGC02	English Lab	
		18MTC03	Mathematics -II	
		18CYC01	Chemistry	
		18CEC01	Engineering Mechanics	
		18MEC01	Engineering Graphics and Design	
		18EEC01	Basic Electrical Engineering	
		18EEC02	Basic Electrical Engineering Lab	
		18CYC02	Chemistry Lab	
		16MT C05	Engineering Mathematics-III	
		16EE C02	Electrical Circuits-I	
		16EE C03	Electrical Measurements and Instruments	
		16EC C16	Electronics Engineering	
		16ME C11	Prime Movers and Pumps	
		16MB C01	Engineering Economics and Accountancy	
		16EE C04	Circuits and Measurements Lab	
		16EC C17	Electronics Engineering Lab	
		16ME C12	Prime Movers and Pumps Lab	
		16EEC06	Electrical Circuits -II	
		16EEC07	Electrical Machinery - I	
		16EEC08	Power Systems - I	
		16EEC09	Electromagnetic Theory	
		16EEC10	Digital Electronics and Logic Design	
		16EEC11	Linear Integrated Circuits	
		16EE C12	Electrical Machinery - I Lab	
734	B.E. - Electrical & Electronics Engineering			2018-19



Program code	Program name	Course code	Course name	Year of offering the course
		16EE C13	Linear Integrated Circuits Lab	
		16EG C03	Soft Skills and Employability Enhancement Lab	
		16EEEC15	Power Systems – II	
		16EEEC16	Electrical Machinery – II	
		16EEEC17	Power Electronics	
		16EEEC18	Linear Control Systems	
		16EE E01	Non Conventional Energy Sources	
		16MT E01	Statistical and Numerical Methods	
		16EEEC19	Electrical Machinery – II Lab	
		16EEEC20	Power Electronics Lab	
		16EEEC21	Linear Control Systems Lab	
		16EEEC23	Electrical Machinery – III	
		16EEEC24	Switchgear and Protection	
		16EEEC25	Power Semiconductor Drives	
		16EEEC26	Microprocessor and Microcontrollers	
		16EEE06	Artificial Intelligence Techniques in Electrical Engineering	
		16EEE08	Optimization Techniques	
		16EEE09	Advanced Control System	
		16EEE11	High Voltage DC Transmission	
		16EEE12	Simulation Techniques for Electrical Engineering	
		16EEEC27	Microprocessor and Microcontrollers Lab	
		16EEEC28	Power Systems Lab	
		16EEEC29	Mini Project	
		EE 411	Power System Operation & Control	
		EE 412	Power Semiconductor Drives	
		EE 413	HVDC & FACTS	
		MB214	Managerial Economics & Accountancy course-4	
		ME 464	Entrepreneurship	
		EE 462	Artificial Intelligence Techniques in Electrical Engineering	
		EG 451	Technical Writing & Presentation Skills	
		EE 414	Digital Signal Processing Lab	
		EE 415	Power Systems Lab	
		EE 416	Project Seminar	
		EE 421	Utilization of Electrical Energy	
		ME419	Industrial Administration & Financial Management	
		EE 474	Power Quality Engineering	
		EE 475	Electrical Distribution Systems	
		CE 422	Disaster Mitigation & Management	
		EE 422	Electrical Simulation Lab	
		EE 423	General Seminar	
		EE 901	Project	
		18MT C01	Mathematics-I	
		18CY C01	Chemistry	
		18CE C01	Engineering Mechanics	
		18ME C01	Engineering Graphics and Design	
		18EE C01	Basic Electrical Engineering	
		18EE C02	Basic Electrical Engineering Lab	
		18CY C02	Chemistry laboratory	
		18MT C02	Mathematics-II	
		18PY C01	Optics and Semiconductor Physics	
		18CS C01	Programming for problem Solving	
		18EG C01	English	
		18PY C02	Optics and Semiconductor Physics Laboratory	
		18CS C02	Programming for problem Solving Lab	



Program code	Program name	Course code	Course name	Year of offering the course
735	B.E- Electronics & Communication Engineering	18ME C02	Workshop/Manufacturing Practise	2018-19
		18EG C02	English Lab	
		16MTC05	Engineering Mathematics –III	
		16EC C02	Network Theory	
		16EC C03	Electronic Devices Circuits	
		16EC C04	Signals and Systems	
		16EC C05	Electromagnetic Theory and Transmission Lines	
		16EC C06	Electronic Workshop and Networks Lab	
		16EC C07	Electronic Devices Lab	
		16EG C03	Soft Skills and Employability Enhancement Lab	
		16EC C08	Digital Logic Design	
		16EC C09	Analog Electronic Circuits	
		16EC C10	Analog Communication	
		16EC C11	Antennas and Wave Propagation	
		16EC C12	Electronic Instrumentation	
		16MB C01	Engineering Economics and Accountancy	
		16EC C13	Digital Logic Design Lab using Verilog	
		16EC C14	Analog Electronic Circuits Lab	
		16EC C15	Analog Communication Lab	
		16EC C18	Digital Communication	
		16EC C19	Integrated Circuits and Applications	
		16EC C20	Microprocessors and Microcontrollers	
		16EC C21	Control Systems	
		16EC E01	Computer Organization and Architecture	
		16EC E02	Engineering Material Science	
		16EE E04	Electrical Technology	
		16EE E13	Industrial Electronics	
		16ECC22	Digital Communication Lab	
		16ECC23	Integrated Circuits and Applications Lab	
		16EC C24	Microprocessors and Microcontrollers Lab	
		16EC C25	Embedded System Design	
		16EC C26	Digital Signal Processing	
		16EC C27	Microwave Engineering	
		16EC C28	Wireless Mobile Communication	
		16EC E03	Analog and Mixed Signal Design	
		16EC E04	Coding Theory and Techniques	
		16IT E27	Data Structures	
		16MT E03	Numerical methods for Scientific and Engineering Computation	
		16IT E25	Java Programming	
		16IT E26	Python Programming	
		16EC E05	CPLD and FPGA Architectures	
		16EC E06	Digital Control Systems	
		16EC E07	Optical Fiber Communication	
16EC C29	Embedded System Design Lab			
16EC C30	Digital Signal Processing Lab			
16EC C31	Microwave Engineering Lab			
EC 411	Radar Systems			
EC 412	Data Communications and Computer Networks			
EC 413	VLSI Design			
EC 414	Electronic Instrumentation			
ME 419	Industrial Administration and Financial Management			
EC 461	Advances in Microwave Engineering			
EC 462	Embedded Systems			
EC 463	Neural Networks and Fuzzy Logic			
EC 464	Satellite Communication			



Program code	Program name	Course code	Course name	Year of offering the course
		EC 465	DSP Processors Architectures	
		EC 466	Speech processing	
		EC 415	Electronic Design and Automation Lab	
		EC 416	Advanced Simulation Lab	
		EC 417	Project Seminar	
		EC 421	GPS and Augmentation systems	
		EC 471	Design of Fault Tolerant Systems	
		EC 472	Real Time Operating System	
		EC 473	Elements of Software Defined Radio	
		EC 474	Wireless Sensor Networks	
		EC 475	Digital Image Processing	
		EC 476	Spectral Estimation Techniques	
		EC 477	Electromagnetic Interference and Electromagnetic Compatibility	
		CS 486	JAVA Programming	
		ME 464	Entrepreneurship	
		CE 422	Disaster Mitigation and Management	
		ME 472	Intellectual Property Rights	
		ME 555	Human Rights and Legislative Procedure	
		EC 481	Nano Technology	
		IT 428	Network Security	
		CS 411	Artificial Intelligence	
		IT 429	Internet of Things	
		EC 422	Seminar	
		EC 901	Project	
		18MT C01	Mathematics -I	
		18CY C01	Chemistry	
		18CEC01N*	Engineering Mechanics	
		18CS C01	Programming for Problem Solving	
		18MEC01N*	Engineering Graphics and Design	
		18CS C02	Programming for Problem Solving Lab	
		18CY CO2	Chemistry Lab	
		18MT C03	Mathematics -II	
		18PY C01	Optics and Semiconductor Physics	
		18CS C03	Object-Oriented Programming	
		18EG C01	English	
		18PY C02	Optics and Semiconductor Physics Laboratory	
		18CS C04	Object-Oriented Programming Lab	
		18ME C02	Workshop/ Manufacturing Practice	
		18EG C02	English Lab	
		16MT C05	Engineering Mathematics –III	
		16CS C03	Data Structures	
		16CS C04	Object Oriented Programming using Java	
		16CS C05	Logic and Switching Theory	
		16CS C06	Discrete Structures	
		16CS C07	Data Structures Lab	
		16CS C08	Object Oriented Programming Lab Using Java	
		16EG C03	Soft Skills and Employ- ability Enhancement Lab	
		16CS C09	Mini Project-I	
		16CS C10	Data Base Management Systems	
		16CS C11	Web Technologies	
		16CS C12	Computer Architecture and Micro Processors	
		16CS C13	Probability and Statistics Using R	
		16CS E01	Linux Programming and Scripting Languages	
		16CS E02	Principle of Programming Languages	
		16CS E03	Shell Scripting	





Program code	Program name	Course code	Course name	Year of offering the course
733	B.E- Computer Science & Engineering	16MB C01	Engineering Economics and Accountancy	2018-19
		16CS C14	Data Base Management Systems Lab	
		16CS C15	Web Technologies Lab	
		16CS C16	Web Technologies Lab	
		16CSC17	Design and Analysis of Algorithms	
		16CSC18	Automata Languages and Computation	
		16CSC19	Operating Systems	
		16CSC20	Data Communication and Computer Networks	
		16CSC21	Software Engineering	
		16CSE 04/05/06	Elective - II	
		16CSC22	Operating Systems Lab	
		16CSC23	Data Communication and Computer Networks Lab	
		16CSC24	Software Engineering Lab	
		16CSC25	Compiler Construction	
		16CSC26	Artificial Intelligence	
		16CSC27	Mobile Computing	
		16CSC28	Information and Network Security	
		16CSC29	Internet of Things	
		16CSE07	Computer Vision	
		16CSE08	Soft Computing	
		16CSE09	Data Mining	
		16CSC30	Information and Network security Lab	
		16CSC31	Internet of Things Lab	
		16CSC32	Mini Project-II	
		CS 411	Artificial Intelligence	
		CS 412	Distributed Computing	
		CS 413	Data Mining	
		CS 414	OOSD	
		CS 461	Mobile Computing	
		CS 463	Optimization Techniques	
		CS 465	Software Project Management	
		CS 462	Adhoc Sensor Networks	
		CS 464	Open Source Technologies	
		ME 464	Entrepreneurship	
		CS 421	Information and Network Security	
		CS 471	Data science and big data analytics	
		CS 473	Semantic Web & Social Networks	
		CS 475	Human Machine Interaction	
		CS 472	Cloud Computing	
		CS 474	Cyber Forensics	
		CS 476	Software Reuse Techniques	
		CS 481	Pattern Recognition	
CS 483	Machine Learning			
ME472	Intellectual Property Rights			
CS 482	Bio Informatics			
CS 484	Business Intelligence			
CE 422	Disaster Mitigation and Management			
		18MT C01	Mathematics -I	
		18CY C01	Chemistry	
		18CE C01	Engineering Mechanics	
		18ME C01	Engineering Graphics and Design	
		18CS C01	Programming for Problem Solving	
		18CS C02	Programming for Problem Solving Lab	
		18CY C02	Chemistry Lab	
		18MT C03	Mathematics - II	
		18PY C01	Optics and Semiconductor Physics	



Program code	Program name	Course code	Course name	Year of offering the course
737	B.E- Information Technology	18ITC01	Object Oriented Programming Through C++	2018-19
		18EG C01	English	
		18PY C02	Optics and Semiconductor Physics Laboratory	
		18IT C02	Object Oriented Programming Through C++	
		18ME C02	Workshop/ Manufacturing Practice	
		18EG C02	English Lab	
		16MTC05	Engineering Mathematics-III	
		16ITC01	Discrete Structures and Applications	
		16ITC02	Data Structures and Algorithms	
		16ITC03	Object Oriented Programming	
		16ITC04	Digital Electronics & Logic Design	
		16IT C05	Data Structures and Algorithms Lab	
		16IT C06	Object Oriented Programming Lab	
		16IT C07	Mini Project - I	
		16EGC03	Soft Skills and Employability Enhancement Lab	
		16ITC08	Design and Analysis of Algorithms	
		16ITC09	Data Communications	
		16ITC10	Java Programming	
		16ITC11	Computer Organization and Microprocessors	
		16ITC12	Fundamentals of Data Science	
		16MBC01	Engineering Economics and Accountancy	
		16ITC13	Java Programming Lab	
		16ITC14	Microprocessors Lab	
		16ITC15	Mini Project - II	
		16ITC16	Principles of Operating Systems	
		16ITC17	Database Systems	
		16ITC18	Software Engineering	
		16ITC19	Web Technology	
		16ITC20	Theory of Automata	
		16ITE01	Python Programming	
		16ITE02	UNIX and Shell Programming	
		16ITE03	Scripting Languages	
		16ITC21	Operating Systems and Web Technology Lab	
		16ITC22	Database Systems Lab	
		16ITC23	Mini Project-III	
		16ITC24	Computer Networks and Socket Programming	
		16ITC25	Data Warehousing and Data Mining	
		16ITC26	Artificial Intelligence	
		16ITC27	Principles of Compiler Design	
		16ITE04	Principles of Computer Graphics	
		16ITE06	Object Oriented System Development using UML	
		16ITE07	Digital Image Processing	
16ITE08	Information Retrieval Systems			
16ITE09	E-Commerce			
16ITC28	Network Programming Lab			
16ITC29	Data Mining Lab			
16ITC30	Mini Projects - IV			
IT 411	Big Data Analytics			
IT 412	Mobile Computing			
IT 413	Distributed Systems			
IT 414	VLSI Technology			
CE 422	Disaster Mitigation and Management			
IT 415	Big Data Analytics Lab			
IT 416	VLSI Technology Lab			
IT 417	Project Seminar			
IT 421	Embedded Systems & Internet of Things			



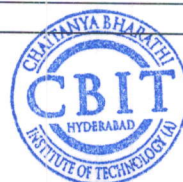
Program code	Program name	Course code	Course name	Year of offering the course
		IT 476	E-Commerce	
		IT 477	Data Analysis using R programming	
		ME 464	Entrepreneurship	
		IT 481	Cloud Computing	
		IT 423	Seminars	
		IT 422	Embedded Systems & IOT Lab	
		16MT C01	Engineering Mathematics - I	
		16CY C01	Engineering Chemistry	
		16PY C02	Applied Physics	
		16CS C01	Programming and Problem Solving	
		16ME C01	Elements of Mechanical Engineering	
		16EC C01	Elements of Electronics and Communication Engineering	
		16CE C03	Professional Ethics and Human Values	
		16CS C02	Programming Laboratory	
		16ME C03	Mechanical and IT Workshop	
		16PY C04	Applied Physics Laboratory	
		16CY C03	Engineering Chemistry Laboratory	
		18PYC06	Mechanics And Electromagnetic Lab	
		16MT C02	Engineering Mathematics - II	
		16PY C01	Engineering Physics	
		16CY C02	Applied Chemistry	
		16EE C01	Elements of Electrical Engineering	
		16CE C01	Engineering Mechanics	
		16EG C01	Professional Communication in English	
		16CE C02	Environmental Studies	
		16ME C02	Engineering Graphics	
		16PY C03	Engineering Physics Laboratory	
		16CY C04	Applied Chemistry Laboratory	
		16EG C02	Professional Communication Laboratory	
		16MT C05	Engineering Mathematics-III	
		16ME C04	Material Science and Metallurgy	
		16ME C05	Mechanics of Materials	
		16ME C06	Fluid Dynamics	
		16ME C07	Machine Drawing	
		16MB C01	Engineering Economics and Accountancy	
		16ME C08	Material Science and Metallurgy Lab	
		16ME C09	Mechanics of Materials Lab	
		16ME C10	Computer Drafting Lab	
		16ME C14	Kinematics of Machines	
		16ME C15	Thermodynamics	
		16PE C01	Metal Casting and Welding	
		16PE C02	Metal Forming Technology	
		16EE C14	Electrical Machines and Microcontroller Applications	
		16PE C03	Metal Casting and Welding Lab	
		16PE C04	Metal Forming Technology Lab	
		16EG C03	Soft Skills and Employability Enhancement Lab	
		ME 311 :	Dynamics Of Machines	
		PE 311	Machine Tool Engg.	
		PE 312	Computer Aided Manufacturing	
		PE 313	Applied Thermodynamics & Heat Transfer	
		PE 314	Additive Manufacturing	
		ME 315	Design Of Machine Elements	
		ME 316	Dynamics & Vibrations Lab	
		PE 315	Machine Tool Engg & CAM Lab	
		PE 316	Applied Thermodynamics & Heat Transfer Lab	
738	B.E. - Production Engineering			2018-19



Program code	Program name	Course code	Course name	Year of offering the course
		PE 321	Metal Forming Technology	
		PE 322	CAD/FEM	
		PE 323	Metal Casting & Welding	
		ME 325	Machine Design	
		PE 351	Turbo Machinery	
		ME 352	Human Rights & Legislative Procedure	
		PE 353	Value Engineering	
		ME 353	Mechanical Vibrations	
		ME 324	Refrigeration & Air Conditioning	
		ME 351	Control Systems Theory	
		PE 324	Metal Forming Technology Lab	
		PE 325	CAD/FEM Lab	
		PE 326:	Metal Casting & Welding Lab	
		PE 327	Industrial Visit/Summer Internship	
		PE 411	Production Drawing Practice	
		ME 412	Metrology & Instrumentation	
		ME 414	Operations Research	
		PE 412	Modern Machining & Forming Methods	
		PE 461	Robotics	
		ME 461	Renewable Energy Sources	
		ME 462	Computations Fluid Flows	
		ME 463	Automobile Engineering	
		ME 464	Entrepreneurship	
		CE 461	Disaster Mitigation & Management	
		PE 413	Computer Aided Production Drawing Lab	
		ME 416	Metrology & Instrumentation Lab	
		PE 414	Manufacturing Engg. Lab	
		PE 415	Creative & Innovative Project	
		ME 421	Production And Operations Management	
		PE 421	Tool Design	
		ME 471	Power Plant Engineering	
		ME 472	Intellectual Property Rights	
		ME 473	Mechatronics	
		ME 474	Mechanics of Composite Materials	
		ME 475	Supply chain Management	
		PE 471	Manufacturing Systems & Simulation	
		PE 481	Micro Manufacturing	
		PE 482	Non Destructive Testing & Evaluation	
		PE 483	Product Design & Process Planning	
		PE 484	Nano Materials & Technology	
		PE 485	Total Quality Management	
		CSE 481	Information Security	
		PE 422	Seminar	
		PE 423	Project	
		18MT C 01	Engineering Mathematics - I	
		18PY C 05	Physics	
		18CS C 01	Programing for problem solving	
		18EG C 01	English	
		18PY C 08	Physics Lab	
		18CS C 02	Programming for Problem Solving Lab	
		18ME C 02	Workshop/ Manufacturing Practice	
		18EG C 02	English Lab	
		18MT C 03	Mathematics - II	
		18CY C 01	Chemistry	
		18CE C 01	Engineering Mechanics	
		18ME C 01	Engineering Graphics and Design	



Program code	Program name	Course code	Course name	Year of offering the course
802	B.Tech. - Chemical Engineering	18EE C 01	Basic Electrical Engineering	2018-19
		18EE C 02	Basic Electrical Engineering Lab	
		18CY C 02	Chemistry Lab	
		16MT C 03	Engineering Mathematics-III	
		16CH C 01	Chemical Technology	
		16CH C 02	Fluid Mechanics	
		16CH C 03	Material and Energy Balance	
		16CY C 07	Physical Chemistry	
		16MB C 01	Engineering Economics and Accountancy	
		16CH C 04	Chemical Technology Lab	
		16CY C 08	Physical Chemistry Lab	
		16ME C 13	Basics of Mechanical and Electrical Engg. Lab	
		/16EE C 05		
		16CH C 05	Chemical Engineering Thermodynamics - I	
		16CH C 06	Chemical Reaction Engineers - I	
		16CH C 07	Material Science for Chemical Engineers	
		16CH C 08	Mechanical Unit Operations	
		16CH C 09	Process Heat Transfer	
		16CY E 01	Advanced Organic Chemistry	
		16MT E 01	Numerical Techniques and Statistical Methods	
		16CH E 01	Fertilizer Technology	
		16CH C 10	Fluid Mechanics Lab	
		16MT C 07	Programming Laboratory for Numerical Methods	
		16CH C 11	Chemical Reaction Engineering - II	
		16CH C 12	Mass Transfer Operations - I	
		16CH C 13	Process Instrumentation	
		16CH E 02	Surface Coating Technology	
		16CH E 03	Technology of Vegetable Oils and Fats	
		16CH E 04	Corrosion Engineering	
		16CH E 05	Mineral Processing Technology	
		16CH C 14	Mechanical Unit Operations Lab	
		16CH C 15	Process Heat Transfer Laboratory	
		16CH E 06	Surface Coating Technology Lab	
		16CH E 07	Technology Of Vegetable Oils And Fats Lab.	
		16CH C 16	Bio Chemical Engineering	
		16CH C 17	Chemical Engineering Thermodynamics - II	
		16CH C 18	Chemical Process Safety	
		16CH C 19	Process Dynamics and Control	
		16CH C 20	Process Modeling Simulation And Optimization	
		16CH E 08	Energy Engineering.	
		16CH E 09	Fluidization Engineering	
		16CH E 10	Pharmaceutical Technology	
		16CH C 21	Chemical Reaction Engineering Laboratory	
		16CH C 22	Process Dynamics And Control Laboratory	
		16CH C 23	Process Modeling Simulation Laboratory	
CH 411	Chemical Process Safety			
CH 412	Mass Transfer Operations -II			
CH 413	Petrochemical Engineering			
MB 216	Principles and Practice of Management			
CH 414	Process Equipment Design			
CH 461	Fertilizer Technology			
CH 462	Membrane Separation Processes			
CH 463	Mineral Processing Technology			
CH 464	Polymer Technology			
CH 465	Pulp and Paper Technology			
CH 415	Equipment Design and Drawing			



Program code	Program name	Course code	Course name	Year of offering the course
		CH 416	Mass Transfer Operations Laboratory	
		CH 417	Project Seminar	
		CH 421	Plant Design and Economics	
		CH 422	Transport Phenomena	
		CH 471	Corrosion Engineering	
		CH 472	Fluidization Engineering	
		CH 473	Pollution Control in Process Industries	
		CH 474	Sugar Technology	
		CE 422	Disaster Mitigation and Management	
		ME 464	Entrepreneurship	
		PE 484	Nano Materials and Technology	
		CH 481	Nuclear Engineering	
		CH 423	Seminar	
		CH 901	Project	
		18MT C02 / 18E	Engg. Mathematics - I/ Basics of Biology-	
		18PY C05	Physics	
		18CS C01	Programming for Problem Solving	
		18EG C01	English	
		18PY C08	Physics Lab	
		18CS C02	Programming for Problem Solving Lab -	
		18ME C02	Workshop/ Manufacturing Practice	
		18EG C02	English Lab	
		18MT C04/ 18E	Engg. Mathematics -II/ Basics of Biology-II	
		18CY C01	Chemistry	
		18CE C01	Engineering Mechanics	
		18ME C01	Engineering Graphics and Design	
		18EE C01	Basic Electrical Engineering	
		18EE C02	Basic Electrical Engineering Lab	
		16MT C06	Mathematics –III	
		16BT C05	Process Principles and Reaction Engineering	
		16BT C06	Biochemistry	
		16BT C07	Cell Biology	
		16BT C08	Microbiology	
		16BT C09	Genetics	
		16BT C10	Biochemistry Lab	
		16BT C11	Microbiology Lab	
		16EG C03	Soft Skills and Employability Enhancement Lab	
		16BT C12	Chemical and Biochemical Thermodynamics	
		16BT C13	Molecular Biology	
		16BT C14	Immunology	
		16BT C15	Instrumental Methods in Biotechnology	
		16BT C16	Industrial Biotechnology	
		16MB C01	Engineering Economics and Accountancy	
		16BT C17	Immunology Lab	
		16BT C18	Instrumental Methods in Biotechnology Lab	
		16MT C08	Biostatistics	
805	B.Tech. - Biotechnology	16BT C19	Fluid Mechanics and Heat Transfer	2018-19
		16BT C20	Protein Engineering and Enzyme Technology	
		16BT C21	Genetic Engineering and rDNA Technology	
		16BT E22	Environmental Biotechnology	
		16BT E23	Food Biotechnology	
		16MT E02	Computational Numerical Methods	
		18CS E02	Python for Bioinformatics	
		16BT E24	Virology	
		16BT E25	Metabolic Engineering	
		16BT C26	Fluid Mechanics and Heat Transfer Lab	



Program code	Program name	Course code	Course name	Year of offering the course
		16BT C27	Enzyme Technology Lab	
		16BT C28	Genetic Engineering Lab	
		BT 411	Downstream Processing	
		BT 412	Bioprocess Dynamics and Control	
		BT 413	Plant Biotechnology	
		BT 414	Animal Biotechnology	
		MB 216	Principles and Practice of Management	
		BT 461	Developmental Biology	
		BT 462	Cancer Biology	
		BT 463	Genomics and Proteomics	
		BT 464	Pharmaceutical Biotechnology	
		BT 415	Downstream Processing Lab	
		BT 416	Tissue culture Lab	
		BT 417	Project Seminar	
		18BT C31	Technical Seminar (On the latest trends and other than project)	
		18BT C32	Project Part II	
		18BT E18	Tissue Engineering	
		18BT E19	Immunodiagnosics	
		18BT E20	Genomics and Proteomics	
		18ME 004	Entrepreneurship	
		18CS 008	Open Source Technology	
		18CS 001	Python for Bioinformatics	
<b>PG COURSES</b>				
672	MBA (Master of Business Administration)	16MBC101	Principles of Management	2018-19
		16MBC102	Managerial Economics	
		16MBC103	Financial Accounting and Analysis	
		16MBC104	Marketing Management	
		16MBC105	Statistics for Management	
		16MBC106	Business Communication	
		16MBC107	Business Law	
		16MBC108	Information Technology Applications for Business	
		16MB C109	Information Technology (IT) Lab	
		16EG C103	Soft Skills Lab	
		16MB C110	Organisation Behaviour	
		16MB C111	Business Environment and Ethics	
		16MB C112	Human Resource Management	
		16MB C113	Financial Management	
		16MB C114	Business Research Methods	
		16MB C115	Operations Research	
		16MB C116	Operations Management	
		16MB C117	Business Analytics	
		16MB C118	Statistical Software Lab	
		16MB C119	Seminar	
		16MB C120	Strategic Management Accounting	
		16MB C121	International Business	
		16MB C122	Strategic Management	
		16MB E101	Investment Management	
		16MB E102	International Finance	
		16MB E103	Performance and Compensation Management	
		16MB E104	Organizational Development and Change Management	
		16MB E105	Product and Brand Management	
		16MB E106	Promotion and Distribution Management	
		16MB E107	Total Quality Management	
		16MB E108	Technology Management	
		16MB E109	Relational Database Management System	



Program code	Program name	Course code	Course name	Year of offering the course
		16MB E110	E-Business	
		16EG C123	Project Proposal	
		16MBC124	Logistics and Supply Chain Management	
		16MBC125	Entrepreneurial Development	
		16MBE111	Financial Risk Management	
		16MBE112	Banking and Insurance	
		16MBE113	Industrial Relations and Labor Laws	
		16MBE114	Talent and Knowledge Management	
		16MBE115	Consumer Behaviour	
		16MBE116	Services and Retail Marketing	
		16MBE117	Services Operations Management	
		16MBE118	Enterprise Resource Planning	
		16MBE119	Cloud Computing and Internet of Things	
		16MBC126	Comprehensive Viva	
16MBC127	Project Work			
862	MCA (Master of Computer Applications )	16MCC101	Discrete Mathematics	2018-19
		16MCC102	Computer Programming and Problem Solving	
		16MCC103	Elements Of Information Technology	
		16EGC101	Professional Communication in English	
		16MBC128	Managerial Economics and Financial Analysis	
		16MCC104	Computer Programming Lab Using C	
		16MCC105	Elements of Information Technology Lab	
		16EGC102	Professional Communication Lab	
		16MCC106	Object Oriented Programming(OOP)	
		16MCC107	Computer Organization	
		16MCC108	Software Engineering	
		16MCC109	Data Structures Using C++	
		16MCC110	Operations Research	
		16MTC102	Probability and Statistics	
		16MCC111	Object Oriented Programming Lab Using Java	
		16MCC112	Data Structures Lab Using C++	
		16MCC113	Database Management Systems	
		16MCC114	Web Technologies	
		16MCC115	Design and Analysis of Algorithms	
		16MCC116	Operating Systems	
		16MB C04	Organizational Behavior	
		16CE E21	Disaster Mitigation and Management	
		16MCC117	Database Management Systems Lab	
		16MCC118	Web Technologies Lab	
		16MCC119	Operating Systems Lab	
		16MCC120	Computer Networks	
		16MCC121	Data warehousing and Data Mining	
		16MCC122	Advanced Java Programming	
		16MCE102	Software Testing	
		16MCE103	Artificial Neural Networks	
		16MCE106	Cloud Computing	
		16MCE107	Software Project Management	
		16MCC123	Computer Networks Lab	
		16MCC124	Data warehousing and Data Mining Lab	
		16MCC125	Mini Projects	
		16MCC126	Object Oriented System Development(OOSD)	
		16MCC127	Machine Learning	
		16MCC128	Cryptography & Network Security	
		16MC E110	Internet of Things	
		16MC E111	Business Intelligence and Analytics	
16MC E113	Big Data Analytics			





Program code	Program name	Course code	Course name	Year of offering the course
		16MC E114	E-Commerce	
		16MCC129	Object Oriented System Development Lab	
		16MCC130	Machine Learning Lab using Python	
		16MCC131	Seminars	
		16MCC132	Major Project Work	
741	ME – Structural Engineering (CIVIL)	16 CEC 104	Theory of Plates	2018-19
		16 CEC 105	Structural Design	
		16 CEC 106	Structural Dynamics	
		16 CEE 101	Repairs and Retrofitting of Structures	
		16 CEE 105	Tall Buildings	
		16 CEE 107	Advanced Steel Design	
		16 CEC 108	Computer Aided Analysis and Design of Structures Lab	
		16 CE C 110	Seminars - II	
		16 CE C 111	Mini Project	
		16CE C101	Theory of Elasticity	
		16CE C102	Structural Analysis	
		16CE C103	Finite Element Methods	
		16CE C104	Advanced RCC Design	
		16CE E108	Pre-stressed Concrete	
		16CE E109	Advanced Concrete Technology and Construction Techniques	
		16CE C107	Structural Engineering Lab-I	
		16CE C109	Seminar-I	
16EG 104	Soft Skills & Employability Enhancement lab			
765	ME – CAD / CAM (MECH)	16MEC101	Automation	2018-19
		16MEC102	Computer Aided Modeling and Design	
		16MEC103	Computer Integrated Manufacturing	
		16MEE101	Failure Analysis and Design	
		16MEE107	Engineering Research Methodology	
		16MEE111	Theory of Elasticity and Plasticity	
		16MEE102	Integrated Mechanical Design	
		16MEE103	Robotic Engineering	
		16MEE104	Programming Methodology and Data Structures	
		16MEE105	Optimization Techniques	
		16MEE106	Vibrations Analysis and Condition Monitoring	
		16MEE108	Tribology In Design	
		16MEE109	Advanced Mechanics of Materials	
		16MEC106	CAD/CAM Lab (Lab –I)	
		16MEC108	Seminar – I	
		16EG C104	Soft Skills Lab	
		16MEC104	Computer Aided Mechanical Design and Analysis	
		16MEC105	Finite Element Techniques	
		16MEC205	Computational Fluid Dynamics	
		16ME E105	Optimization Techniques	
		16MEE110	Mechanics of Composite Materials	
		16MEE 121	Product Design and Process Planning (PDPP) - (Elective)	
		16MEE112	Experimental Techniques and Data Analysis	
		16MEE113	Design for Manufacture	
		16MEE114	Data Base Management Systems	
		16MEE115	Fracture Mechanics	
		16MEE116	Design of Press Tools	
16MEE117	Design of Dies			
16MEE118	Rapid Prototyping Principles & Applications			
16MEE119	Flexible Manufacturing Systems			



Program code	Program name	Course code	Course name	Year of offering the course
		16MEE120	Non-Traditional Machining & Forming	
		16MEC107	Computation Lab (Lab -II)	
		16MEC109	Seminar - II	
		16MEC110	Mini Project	
		16MEC111	Project Seminar	
		16MEC112	Project work	
742-001	M.TECH – CSE	16CSC101	Advanced Algorithms	2018-19
		16CSC102	Advanced Operating Systems	
		16CSC103	Advanced Databases	
		16CSE111	Data Mining	
		16CSE112	Artificial Intelligence	
		16CSE113	Machine Learning	
		16CSE121	Internet of Things	
		16CSE122	Research Methodologies in Computer Science	
		16CSE123	Business Intelligence	
		16CSE131	Software Quality Assurance & Testin	
		16CSE132	Mobile Computing	
		16CSE133	Natural Language Processing	
		16CSC104	ADB Lab (Lab-I)	
		16CSC105	Seminar - I	
		16EG104	*Soft Skills Lab	
		16CSC201	Advanced Network Technologies	
		16CSC202	Big Data Analytics	
		16CSC203	Advanced Software Engineering	
		16CSE241	Adhoc and Sensor Networks	
		16CSE242	Embedded Systems	
		16CSE243	Image Processing	
		16CSE251	Cloud Computing	
		16CSE252	Soft Computing	
		16CSE253	High Performance Systems	
		16CSE261	Software Reuse Techniques	
		16CSE262	Storage Management	
		16CSE263	Streaming Technology	
		16CSC204	Big Data Analytics Lab (Lab-II)	
		16CSC205	Seminar - II	
		16CSC206	Mini Project	
		16CS C301	Project Semina	
		16CSC 401	Project Work and Dissertation	
744-001	ME – COMMUNICATION ENG.(ECE)	16ECC101	Data and Computer Communication Networks	2018-19
		16ECC104	Wireless Mobile Communication Systems	
		16ECC105	Probability and Random Processes	
		16ECE101	Radar Signal Processing	
		16ECE102	Global Navigational Satellite Systems	
		16ECE103	Optimization Techniques	
		16ECE104	Image and Video Processing	
		16ECE105	Satellite and Microwave Communications	
		16ECE107	Statistical Signal Processing	
		16ECE106	Optical Fiber Communication Systems	
		16ECE108	Smart Antennas for Mobile Communications	
		16ECE115	Real Time Signal Processing	
		16ECC107	Communication Lab	
		16ECC109	Seminar 1	
		16 EG 104	Soft Skills	
		16ECC102	Modern Digital Signal Processing	
		16ECC103	Detection and Estimation Theory	
		16ECC106	Coding Theory and Techniques	

Program code	Program name	Course code	Course name	Year of offering the course
	)	16ECE117	Multimedia Information Systems	
		16ECE118	Adaptive Signal Processing	
		16ECE119	Selected Topics in Strategic Electronics	
		16ECE109	Voice Over Internet Protocols	
		16ECE110	Modern Digital Communication Systems	
		16ECE112	Data Compression	
		16ECE111	Embedded System Design	
		16ECE114	Engineering Research Methodology	
		16ECE116	Speech Signal Processing	
		16ECE113	Software Defined and Cognitive Radio	
		16ECC108	CCN Lab	
		16ECC110	Seminar 2	
		16ECC111	Mini Project	
		16EC C112	Project Work-Project Seminar	
16ECC113	Project Work and Dissertation			
766	M.E. - Power System & Power Electronics	16EEC101	Power Semi-Conductor Devices and Circuits	2018-19
		16EEC102	Distribution System Planning and Automation	
		16EEC106	Flexible AC Transmission Systems	
		16EEE103	Advanced Power System Protection	
		16EEE106	Soft Computing Techniques to Power Systems	
		16EEE107	Renewable Energy Sources	
		16EEC108	Power Electronics Lab	
		16EG 104	Soft Skills Lab	
		16EEC109	Seminar- I	
		16EEC103	Advanced Computer Methods in Power Systems	
		16EEC104	Power System Stability	
		16EEC105	Advanced Electric Drives	
		16EEE109	Power Quality Engineering	
		16EEE113	HVDC Transmission	
		16EEE114	Research Methodology & Professional Ethics	
		16EEC107	Power Systems Lab	
		16EEC110	SEMINAR – II	
		16EEC111	Mini Project	
16EEC112	Project Seminar			
16EEC113	Project Work & Dissertation			
744-401	ME-EMBEDDED SYSTEMS AND VLSI DESIGN (ECE)	16EC C201	Microcontrollers for Embedded System Design	2018-19
		16EC C203	RF IC Design	
		16EC C205	Analog and Mixed Signal IC Design	
		16EC E201	Computer Communication Networks	
		16EC E203	Advanced Computer Organization	
		16EC E202	Embedded System Design	
		16EC E212	Physics of Semiconductor Devices	
		16EC E206	VLSI Technology	
		16EC E208	VLSI Signal Processing	
		16EC C207	Lab-1-Design and Simulation Laboratory-I	
		16EC C209	Seminar - I	
		16 EG 104	Soft Skills	
		16EC C204	Embedded Processors and Architecture	
		16EC C206	Real Time Operating Systems	
		16EC C202	CMOS VLSI Design	
		16EC E205	Design for Testability	
		16EC E207	Low Power VLSI Design	
		16EC E204	CPLD & FPGA Architectures and Applications	
		16EC E209	Advanced Digital Design with Verilog HDL	
16EC E210	VLSI Physical Design Automation			
16EC E211	System on Chip Architecture			



Program code	Program name	Course code	Course name	Year of offering the course
		16EC E213	Optimization Techniques	
		16EC C208	Lab-2-Design and Simulation Laboratory-II	
		16EC C210	Seminar - 2	
		16EC C211	Mini Project	
		16EC C212	Project work -Project Seminar	
		16EC C213	Project work and Dissertation	
745	ME-THERMAL ENGINEERING (MECH)	16MEC 202	Advanced Thermodynamics	2018-19
		16MEC 203	Advanced Heat & Mass Transfer	
		16MEC 204	Advanced I.C. engines	
		16MEE 215	Thermal & Nuclear Power Plants	
		16MEE201	Computer Aided Graphics and Design	
		16MEE107	Engineering Research Methodology	
		16MEC 206	Thermal Systems Laboratory (Lab – I)	
		16MEC 208	Seminar – I	
		16MEE203	Fluid Power Systems	
		16MEE 205	Design of Gas Turbines	
		16MEE 206	Advanced Energy Systems	
		16MEE 207	Fuels and Combustion	
		16MEE 208	Power Plant Control and Instrumentation	
		16MEE 209	Design of Pumps and Compressors	
		16MEE 210	Numerical Methods	
		16MEE 211	Environmental Engineering and Pollution	
		16MEE 212	Refrigeration Machinery & Components	
		16MEE 213	Energy Management	
		16MEE 214	Convective Heat Transfer	
		16MEC 105	Finite Element Techniques	
		16MEC 201	Fluid Flow and Gas Dynamics	
		16MEC 205	Computational Fluid Dynamics	
		16MEC 207	CFD Lab (Lab – II)	
		16MEE 105	Optimization Techniques	
		16ME E 202	Turbo Machines	
		16MEE 207	Fuels and Combustion	
		16MEC 209	Seminar-II	
		16MEE203	Fluid Power Systems	
		16MEE 205	Design of Gas Turbines	
		16MEE 206	Advanced Energy Systems	
		16MEE 207	Fuels and Combustion	
		16MEE 208	Power Plant Control and Instrumentation	
		16MEE 209	Design of Pumps and Compressors	
		16MEE 210	Numerical Methods	
		16MEE 211	Environmental Engineering and Pollution	
		16MEE 212	Refrigeration Machinery & Components	
		16MEE 213	Energy Management	
		16MEE 214	Convective Heat Transfer	
		16MEC 210	Mini Project	
		16MEC 211	Project Seminar	
		16MEC 212	Project work	
		16ITC103	Cryptography and Network Security	
		16ITC203	Advanced Algorithms	
		16ITE243	Mobile Adhoc and Sensor Networks	
		16ITE251	Cloud Computing	
		16ITE263	Digital Image Processing & Computer Vision	
		16ITC104	Software Lab-I (Crptography and Network Security)	



Program code	Program name	Course code	Course name	Year of offering the course
742	Computer Networks and Information Security	16ITC105	Seminar-I	2018-19
		16EGC104	Soft Skills Lab	
		16ITC201	Information Systems Security	
		16ITC202	Big Data Analytics	
		16ITC102	Advanced Computer Networks	
		16ITE122	Machine Learning	
		16ITE133	E - Commerce	
		16ITE253	Web Mining	
		16ITC204	Big Data Analytics Lab	
		16ITC205	Seminar-II	
		16ITC206	Mini Project	
		16ITC301	Project Seminar	
		16ITC401	Project Work and Dissertation	

*(Handwritten Signature)*



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