



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: 2017-18

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1.	Number of Courses in all Programs Year-Wise for the Academic Year: 2017-18	2-19
2.	ME - Earthquake Engineering courses	16

List of courses offered across all programs during 2017-18

Program code	Program name	Course code	Course name	Year of offering the course
		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 Work shop	
		16PY C04	Applied Physics Laboratory	
		16CY C03	Engineering Chemistry Laboratory	
		16MT C03	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	
		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	
		CE 311	Reinforced Concrete Design-I	
		CE 312	Fluid Mechanics-II	
		CE 313	Theory of structures-I	
		CE 314	Building Planning and Services	
		CE 315	Transportation Engineering	
		CE 316	Water and Waste Water Engineering	
		CE 444	Human Values and Professional Ethics	
		CE 317	Hydraulics and Hydraulic Machinery lab	
		CE 318	Transportation Engineering Lab	
		EG 221	Soft Skills and Employability Enhancement	
		CE 321	Soil Mechanics	
		CE 322	Design of Steel Structures-I	
		CE 323	Theory of Structures-II	
		CE 324	Reinforced Concrete Design-II	
		CE 325	Water Resources Engineering-I	
		CE 351	Advanced Transportation Engineering	
		CE 352	Geographical Information Systems	
		CE 353	Advanced Environmental Engineering	
		CE 354	Pre-stressed Concrete	
		CE 355	Infrastructure Engineering	
		CE 356	Ground Water Hydrology	
		CE 326	Computer Applications Lab-I	
		CE 327	Soil Mechanics Laboratory	
		CE 328	Environmental Engineering laboratory	
		CE 329	Industrial Visit	
		CE 411	Design of Steel structures-II	

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B.E- Civil
Engineering

2017-18



Program code	Program name	Course code	Course name	Year of offering the course
		CE 412	Estimation and Specifications	
		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	
		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	
		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	2017-18
		ME 311	Dynamics of Machines	
		ME 312	Applied Thermodynamics	
		ME 313	Manufacturing Processes	
		ME 314	Heat Transfer	
		ME 315	Design of Machine Elements	
		CE 444	Human Values and Professional Ethics	
		ME 316	Dynamics & Vibrations Lab	
		ME 317	Thermodynamics Lab	
		ME 318	Manufacturing Processes Lab	
		ME 321	CAD and CAM	
		ME 322	Metal Cutting & Machine Tool Engineering	
		ME 323	Hydraulic Machinery & Systems	
		ME 324	Refrigeration & Air Conditioning	
		ME 325	Machine Design	
		ME 351	Control Systems Theory	
		PE 324	Additive Manufacturing	
		ME 555	Human Rights & Legislative Procedure	
		PE 353	Value Engineering	
		PE 354	Surface Engineering	
		ME 353	Mechanical Vibrations	
		ME 326 -	CAD and CAM Lab	
		ME 327	Metal Cutting & Machine Tool Engineering Lab	
		ME 328	Hydraulic Machinery & Systems Lab	
		ME 329	Industry Visit	
		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			
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			
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			



Program code	Program name	Course code	Course name	Year of offering the course
734	B.E. - Electrical & Electronics Engineering	16CE C03	Professional Ethics and Human Values	2017-18
		16CS C02	Programming Laboratory	
		16ME C03	Mechanical and IT Workshop	
		16PY C04	Applied Physics Laboratory	
		16CY C03	Engineering Chemistry Laboratory	
		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	
		16MTC05	Engineering Mathematics – III	
		16EEC02	Electrical Circuits – I	
		16EEC03	Electrical Measurements & Instruments	
		16ECC16	Electronics Engineering	
		16MEC11	Prime Movers & Pumps	
		16MBC01	Engineering Economics & Accountancy	
		16EEC04	Circuits & Measurements Lab	
		16ECC17	Electronics Engineering Lab	
		16MEC12	Prime Movers & Pumps Lab	
		16EE C06	Electrical Circuits -II	
		16EE C07	Electrical Machinery - I	
		16EE C08	Power Systems - I	
		16EE C09	Electromagnetic Theory	
		16EE C10	Digital Electronics and Logic Design	
		16EE C11	Linear Integrated Circuits	
		16EE C12	Electrical Machinery - I Lab	
		16EE C13	Linear Integrated Circuits Lab	
		16EG C03	Soft Skills and Employability Enhancement Lab	
		EE 311	Power Systems – II	
		EE 312	Electrical Machinery – II	
		EE 313	Linear Control Systems	
		EE 314	Power Electronics	
		EE 315	Linear Integrated Circuits	
		CE 444	Human Values and Professional Ethics	
		EE 316	Electrical Machinery – I Lab	
		EE 317	Control Systems Lab	
		EE 318	Linear Integrated Circuits Lab	
		EE 321	Electrical Machinery – III	
		EE 322	Switch Gear & Protection	
		EE 323	Microprocessor & Microcontrollers	
		EE 324	Digital Signal Processing	
		EE 353	Advanced Control System	
		EE 354	Renewable Energy Systems	
		EE 325	Power Electronics Lab	
EE 326	Microprocessor & Microcontrollers Lab			
EE 327	Electrical Machinery – II Lab			
EE 328	Mini Project *			
EE 411	Power System Operation & Control			
EE 412	Power Semiconductor Drives			
EE 413	HVDC & FACTS			
MB214	Managerial Economics & Accountancy			
ME 464	Entrepreneurship (Elective –II)			
EE 414	Digital Signal Processing Lab			
EE 415	Power Systems Lab			
EE 416	Project Seminar			
EE 421	Utilization of Electrical Energy			
ME 419	Industrial Administration & Financial Management			
EE 474	Power Quality Engineering			



Program code	Program name	Course code	Course name	Year of offering the course
		EE 475	Electrical Distribution Systems	
		IT 429	IOT of things	
		CE- 422	Disaster Mitigation & Management	
		EE 422	Electrical Simulation Lab	
		EE 423	General Seminar	
		EE 901	Project	
		16MT C01	Engineering Mathematics-I	
		16PY C01	Engineering Physics	
		16CY C01	Applied Chemistry	
		16EE C01	Elements of Electrical Engineering	
		16CE C01	Engineering Mechanics	
		16EG C01	Professional Communication in Engineering	
		16CE C02	Environmental Studies	
		16ME C02	Engineering Graphics	
		16PY C03	Engineering Physics laboratory	
		16CY C04	Applied Chemistry laboratory	
		16EG C02	Professional Communication in Engineering laboratory	
		16MT C03	Engineering Mathematics - II	
		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	
		16MEC03	Mechanical and IT Workshop	
		16PYC04	Applied Physics Laboratory	
		16CYC03	Engineering Chemistry Laboratory	
		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	
		EC 311	Linear Integrated Circuits	
		EC 312	Digital Integrated Circuits	
		EC 313	Computer Organization and Microprocessors	
		EC 314	Control Systems Engineering	
		EC 315	Digital Communication	
		CE 444	Human Values and Professional Ethics (Mandatory course)	
735	B.E- Electronics & Communication Engineering	EC 316	Integrated Circuits Lab	2017-18
		EC 317	Microprocessor and Interfacing Lab	
		EC 318	Digital Communication Lab	
		EC 321	Microcontrollers and Applications	
		EC 322	Microwave Engineering	
		EC 323	Digital Signal Processing	
		EC 324	Mobile Cellular Communications	
		EC 351	Coding Theory and Techniques	
		EC 352	Optical Fiber Communication	
		EC 353	CPLD and FPGA Architectures	
		EC 354	Analog and Mixed IC Design	
		EC 355	System Automation and control	
		EC 326	Microcontroller Lab	



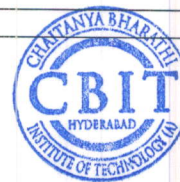
Program code	Program name	Course code	Course name	Year of offering the course
		EC 327	Microwave Lab	
		EC 328	Digital Signal Processing Lab	
		EC 411	Radar Systems	
		EC 412	Data Communications and Computer Networks	
		EC 413	VLSI Design	
		EC 414	Electronic Instrumentation	
		ME 419	Industrial Administration and Financial Management	
		EC 461	Advances in Microwave Engineering	
		EC 462	Embedded Systems	
		EC 463	Neural Networks and Fuzzy Logic	
		EC 464	Satellite Communication	
		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	
		16MT C01	Engineering Mathematics - I	
		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 C02	Engineering Mathematics - II	
		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	
		16MT C05	Engineering Mathematics -III	
		16CS C03	Data Structures	
		16CS C04	Object Oriented Programming using Jav	
		16CS C05	Logic and Switching Theory	
		16CS C06	Discrete Structures	
		16CS C07	Data Structures Lab	
		16CS C08	Object Oriented Programming Lab Using Java	



Program code	Program name	Course code	Course name	Year of offering the course
733	B.E- Computer Science & Engineering	16EG C03	Soft Skills and Employ- ability Enhancement Lab	2017-18
		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 Language	
		16CS E02	Principle of Programming Language	
		16CS E03	Shell Scripting	
		16MB C01	Engineering Economics and Accountancy	
		16CS C14	Data Base Management Systems Lab	
		16CS C15	Web Technologies Lab	
		16CS C16	CA and MP Lab	
		CS 311	Automata Languages and Computation	
		CS 312	Design and Analysis of Algorithms	
		CS 313	Embedded Systems	
		CS 314	Database Management Systems	
		CS 315	Operating Systems	
		CE 444	Human Values and Professional Ethics	
		CS 316	Embedded Systems Lab	
		CS 317	Database Management Systems Lab	
		CS 318	Operating Systems Lab	
		EG 221	Soft Skills and Employability Enhancement	
		CS 321	Compiler Construction	
		CS 322	Software Engineering	
		CS 323	Web Technologies	
		CS 324	Computer Networks	
		CS 351	Information Storage Management	
		CS 353	Advanced Computer Architecture	
		CS 355	Realtime Systems	
		CS 352	Image Processing	
		CS 354	Simulation and Modeling	
		CS 356	Soft Computing	
		CS 326	Web Technologies Lab (Mini Project)	
		CS 327	Compiler Construction Lab	
		CS 328	Computer Networks Lab	
		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			
16PY C03	Engineering Physics Laboratory			
16CY C04	Applied Chemistry Laboratory			
16MT C01	Engineering Mathematics-I			
16PY C01	Engineering Physics			
16CY C02	Applied Chemistry			



Program code	Program name	Course code	Course name	Year of offering the course
737	B.E- Information Technology	16CE C02	Environmental Studies	2017-18
		16EG C01	Professional Communication in English	
		16EG C02	Professional Communication Laboratory	
		16EC C01	Elements of Electrical Engineering	
		16ME C02	Engineering Graphics	
		16CE C01	Engineering Mechanics	
		16MT C02	Engineering Mathematics-II	
		16CY C01	Engineering Chemistry	
		16PY C02	Applied Physics	
		16PY C03	Applied Physics Laboratory	
		16CY C04	Engineering Chemistry Laboratory	
		16CE C03	Professional Ethics and Human Values	
		16CS C01	Programming and Problem solving	
		16ME C01	Elements of Mechanical Engineering	
		16EC C01	Elements of Electronics and Communication Engineering	
		16CS C02	Programming Laboratory	
		16ME C03	Mechanical and IT Workshop	
		16MT C05	Engineering Mathematics-III	
		16IT C01	Discrete Structures and Applications	
		16IT C02	Data Structures and Algorithms	
		16IT C03	Object Oriented Programming	
		16IT C04	Digital Electronics and Logic Design	
		16IT C05	Data Structures and Algorithms Lab	
		16IT C06	Object Oriented Programming Lab	
		16IT C07	Mini Project - I	
		16EGC03	soft Skills	
		16IT C08	Design and Analysis of Algorithms	
		16IT C09	Data Communications	
		16IT C10	Java Programming	
		16IT C11	Computer Organization and Microprocessors	
		16IT C12	Fundamentals of Data science	
		16MBC01	Engineering Economics and Accountancy	
		16IT C13	Java Programming Lab	
		16IT C14	Micro Processors Lab	
		16IT C15	Mini Project- II	
		IT 311	Principles of Operating Systems	
		IT 312	Database Systems	
		IT 313	Compiler Design	
		IT 314	Information Security	
		EC 315	Object Oriented System Development using UML	
		IT 316	Operating Systems Lab	
		IT 317	Database Lab	
		CE 144	Human Values and Professional Ethics	
		EG 221	Soft Skills and Employability Enhancement	
		IT318	Mini Project- II	
		IT 321	Computer Networks and Socket Programming	
IT 322	Data Warehousing and Data Mining			
IT 323	Web Programming			
IT 324	Computational Intelligence			
EC 325	Digital Image Processing and Analysis			
IT354	Elective-I Natural Language Processing			
IT 352	Elective -I Software Testing			
IT 326	Network Programming Lab			
IT 327	Data Mining Lab			
IT 328	Mini Project- IV			
IT 411	Big Data Analytics			
IT 412	Mobile Computing			
IT 413	Distributed Systems			
IT 414	VLSI Technology			
CE422	Elective -II Disaster mitigation and management			
IT465	Elective-II Parallel computing			
IT 415	Big Data Analytics Lab			
IT 416	VLSI Technology Lab			



Program code	Program name	Course code	Course name	Year of offering the course
		IT 417	project seminar	
		IT 421	Embedded Systems & Internet of Things	
		IT 422	Embedded Systems & IoT Lab	
		IT 476	Elective-III* E-Commerce	
		ME 464	Elective-IV ** entrepreneurship	
		IT 901	Project	
		IT 423	Seminar	
		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	
		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	

B.E. - Production Engineering

2017-18



Program code	Program name	Course code	Course name	Year of offering the course
		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	
		16MT C 01	Engineering Mathematics - I	
		16CY C 01	Engineering Chemistry	
		16PY C 02	Applied Physics	
		16CS C 01	Programming and Problem Solving	
		16ME C 01	Elements of Mechanical Engineering	
		16EC C 01	Elements of Electronics and Communication Engineering	
		16CE C 03	Professional Ethics and Human Values	
		16CS C 02	Programming Laboratory	
		16ME C 03	Mechanical and IT Workshop	
		16PY C 04	Applied Physics Laboratory	
		16CY C 03	Engineering Chemistry Laboratory	
		16MT C 02	Engineering Mathematics - II	
		16PY C 01	Engineering Physics	
		16CY C 02	Applied Chemistry	
		16EE C 01	Elements of Electrical Engineering	
		16CE C 01	Engineering Mechanics	
		16EG C 01	Professional Communication in English	
		16CE C 02	Environmental Studies	
		16ME C 02	Engineering Graphics	
		16PY C 03	Engineering Physics Laboratory	
		16CY C 04	Applied Chemistry Laboratory	
		16EG C 02	Professional Communication Laboratory	
		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	



Program code	Program name	Course code	Course name	Year of offering the course
802	B.Tech. - Chemical Engineering	16CH C 04	Chemical Technology Lab	2017-18
		16CY C 08	Physical Chemistry Lab	
		16ME C 13 /16EE C 05	Basics of Mechanical and Electrical Engg. Lab	
		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	
		16EG C 03	Soft Skills and Employability Enhancement Lab	
		CH 311	Chemical Reaction Engineering – II	
		CH 312	Mass Transfer Operations – I	
		CH 313	Process Dynamics and Control	
		CH 314	Process Heat Transfer	
		CH 315	Process Instrumentation	
		CE 444	Human Values and Professional Ethics	
		CH 316	Chemical Reaction Engineering Lab	
		CH 317	Process Heat Transfer Lab	
		EG 221	Soft Skills and Employability Enhancement	
		CH 321	Bio Chemical Engineering	
		CH 322	Chemical Engineering Thermodynamics - II	
		CH 323	Energy Engineering	
		CH 324	Process Modeling Simulation and Optimization	
		CH 351	Surface Coatings Technology	
		CH 352	Technology of Vegetable oils and Fats	
		CH 325	Process Dynamics and Control Lab	
		CH 326	Process Modeling Simulation And Optimization Lab	
		CH 355	Surface Coatings Technology Lab	
		CH 356	Technology of Vegetable oils and Fats Lab	
		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	
		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			
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			



Program code	Program name	Course code	Course name	Year of offering the course
805	B.Tech. - Biotechnology	16EC C01	Elements of Electronics and Communication Engineering	2017-18
		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	
		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 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	
		MT 311	Biostatistics	
		BT 311	Fluid Mechanics and Heat Transfer	
		BT 312	Protein Engineering and Enzyme Technology	
		BT 313	Bioreaction Engineering	
		BT 314	Genetic Engineering and rDNA Technology	
		CE 444	Human Values and Professional Ethics	
		BT 315	Fluid Mechanics and Heat Transfer Lab	
		BT 316	Enzyme Technology Lab	
		BT 317	Genetic Engineering Lab	
		EG 221	Soft Skills and Employability Enhancement	
		BT 321	Fermentation Technology	
		BT 322	IPR, Regulatory Affairs and Clinical Trials	
BT 323	Bioinformatics			
BT 324	Environmental Biotechnology			
BT 325	Mass Transfer Operations			
BT 351	Virology			
BT 352	Phyto Chemicals and Herbal Products			
BT 353	Spectroscopic Analysis of Biomolecules			
BT 354	Medical Biotechnology			
BT 326	Bioprocess Lab			
BT 327	Bioinformatics Lab			
BT 328	Mass Transfer Operations Lab			
	Industry Visit			
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			



Program code	Program name	Course code	Course name	Year of offering the course
		BT 463	Genomics and Proteomics	
		BT 464	Pharmaceutical Biotechnology	
		BT 415	Downstream Processing Lab	
		BT 416	Tissue culture Lab	
		BT 417	Project Seminar	
		BT 421	Computer Applications in Bioprocess Industries	
		BT 422	Bioprocess Economics and Plant Design	
		BT 471	Molecular Modeling and Drug Design	
		BT 472	Immunodiagnosics	
		BT 473	Tissue Engineering	
		BT 481	Bioprocess Validations and Current GMP	
		BT 482	Food Biotechnology	
		BT 483	Nanobiotechnology	
		ME 464	Entrepreneurship	
		BT 423	Seminar	
		BT 901	Project	
PG COURSES				
672	MBA (Master of Business Administration)	16MBC101	Principles of Management	2017-18
		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	
		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	



Program code	Program name	Course code	Course name	Year of offering the course
862	MCA (Master of Computer Applications)	16MCC101	Discrete Mathematics	2017-18
		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 CO3	Human Values and Professional Ethics	
		16CE E21	Disaster Mitigation and Management	
		16ME E20	Entrepreneurship	
		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	
		MC 311	Information Security	
		MC 312	Middleware Technologies	
		MC 313	Object Oriented System Development	
		MC 361	Software Testing	
MC 362	Mobile Computing			
MC 371	Software Project Management			
MC 372	Cloud Computing			
MC 316	Programming Lab-OOSD			
MC 317	Programming Lab- MWT			
MC 318	Seminars			
MC 901	Project Work			
MC 322	Seminar			
741	ME – Structural Engineering (CIVIL)	16CEC 104	Theory of Plates	2017-18
		16CEC 105	Structural Design	
		16CEC 106	Structural Dynamics	
		16CEE 105	Tall buildings	
		16CEE 112	Advanced Foundation Engineering	
		16CEE 113	Earthquake Resistant Design of Structures	
		16CEC 108	CAAD LAB	
		16CEC 110	SEMINARS - II	
		16CEC 201	Earthquake Resistant Design of Special Structures	
		16CEC 204	Seismic Evaluation & Retrofitting of Structures	
		16 CEC 106	Structural Dynamics	
		16 CEC 105	Tall Buildings	
		16CEE 207	Soil Synamics and Machine Foundations	
		16CEC 104	Theory of Plates	
		16CEC 108	CAAD LAB	



Program code	Program name	Course code	Course name	Year of offering the course
		16CEC 206	SEMINARS - II	
765	ME – Earthquake Engineering (CIVIL)	16CEC 201	Earthquake Resistant Design of Buildings	2017-18
		16CEC 204	Seismic Evaluation & Retrofitting of Structures	
		16 CEC 106	Structural Dynamics	
		16 CEC 105	Tall Buildings	
		16CEE 207	Soil Synamics and Machine Foundations	
		16CEC 104	Theory of Plates	
		16CEC 108	CAAD LAB	
		16CEC 206	SEMINARS - II	
		16CEC202	Seismic Hazards Assessment	
		16CEC205	Finite Elements Method	
		16CEE212	Earthquake Resistant Design of Masonary structures	
		16CEE213	statistical and numerical methods	
		16CEE215	Advanced Steel Design	
		16CEC208	Structural Dynamics Engineering Lab -I	
		16CEC209	Seminar-I	
765	ME – CAD / CAM (MECH)	16MEC101	Automation	2017-18
		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	
		16MEE120	Non-Traditional Machining & Forming	
		16MEC107	Computation Lab (Lab –II)	
		16MEC109	Seminar – II	
16MEC110	Mini Project			
16MEC111	Project Seminar			
16MEC112	Project work			
		16CSC101	Advanced Algorithms	
		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	



Program code	Program name	Course code	Course name	Year of offering the course
742-001	M.TECH – CSE	16CSE133	Natural Language Processing	2017-18
		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 Seminar			
16CSC 401	Project Work and Dissertation			
744-001	ME – COMMUNICATI ON ENGG.(ECE)	16ECC101	Data and Computer Communication Networks	2017-18
		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	
		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	16EEC101	Power Semi-Conductor Devices & Circuits	2017-18
		16EEC102	Distribution System Planning and Automation	
		16EEC106	Flexible AC Transmission Systems	
		16EEE107	Renewable Energy Sources	
		16EEE109	Power Quality Engineering	
		16EEE110	Energy Management	
		16EEC108	Power Electronics Lab	
		16EEC109	Seminar – I	
		16EG104	Soft Skills Lab	
		16EEC103	Advanced Computer Methods in Power Systems	



Program code	Program name	Course code	Course name	Year of offering the course			
700	System & Power Electronics	16EEEC104	Power System Stability	2017-18			
		16EEEC105	Advanced Electric Drives				
		16EEEE105	Deregulation of Power Systems				
		16EEEE113	HVDC Transmission				
		16EEEE114	Research Methodology & Professional Ethics				
		16EEEC107	Power Systems Lab				
		16EEEC110	Seminar - II				
		16EEEC111	Mini Project				
		16EEEC112	Project Seminar				
		16EEEC113	Project Work & Dissertation				
		744-401	ME-EMBEDDED SYSTEMS AND VLSI DESIGN (ECE)		16EC C201	Microcontrollers for Embedded System Design	2017-18
					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 - 1						
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						
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						
				16MEC 202	Advanced Thermodynamics		
				16MEC 203	Advanced Heat & Mass Transfer		
				16MEC 204	Advanced I.C. engines		



Program code	Program name	Course code	Course name	Year of offering the course
745	ME-THERMAL ENGINEERING (MECH)	16MEE 215	Thermal & Nuclear Power Plants	2017-18
		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			
742	Computer Networks and Information Security	16ITC101	Number Theory	2017-18
		16ITC102	Advanced Computer Networks	
		16ITC103	Cryptography and Network Security	
		16ITE111	Distributed Systems	
		16ITE122	Machine Learning	
		16ITE132	Data Hiding	
		16ITC104	Software Lab-I	
		16ITC105	Seminar-I	
		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			


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