



## SRI VENKATESWARA COLLEGE OF ENGINEERING

(Autonomous)

Karakambadi Road, Opposite LIC Training Centre, Tirupati – 517 507.

### 3.1. Number of courses in all programmes during the year

Programme Code	Programme Name	Course Code	Course Name		
1A	B.TECH-MECHANICAL	MA20ABS101	Linear Algebra and Calculus		
		CH20ABS101	Engineering Chemistry		
		CS20AES101	Problem Solving using C		
		EE20AES101	Basic Electrical & Electronics Engineering		
		ME20AES101	Engineering Workshop		
		CS20AES103	IT Workshop		
		CH20ABS102	Engineering Chemistry Lab		
		CS20AES102	Problem Solving using C Lab		
		EE20AES102	Basic Electrical & Electronics Engineering Lab		
		EG20AMC103	Speech & Oral Communication		
		MA20ABS201	Differential Equations and Vector Calculus		
		PH20ABS101	Engineering Physics		
		EG20AHS101	Communicative English		
		ME20AES201	Material Science & Engineering		
		ME20AES102	Engineering Drawing		
		ME20AES103	Engineering Graphics Lab		
		EG20AHS102	Communicative English Lab		
		PH20ABS102	Engineering Physics Lab		
		ME20AES202	Material Science & Engineering Lab		
		BA20AMC201	Universal Human Values		
		MA20AMC102	Logical Skills for Professionals		
				19A54301	Complex Variables, Transforms and PDE
				19A05304T	Python Programming
				19A03301T	Manufacturing Processes
				19A03302	Engineering Mechanics
				19A03303T	Material Science and Engineering
				19A99303T	Design Thinking & Product Innovation
				19A52301	Universal Human Values
				19A99303P	Design Thinking & Product Innovation Lab
				19A03301P	Manufacturing Processes Lab
				19A03303P	Material Science and Engineering Lab
				19A99301	Environmental Sciences
				19A54304	Numerical Methods and Probability theory
				19A03401	Thermodynamics
				19A03402T	Mechanics of Materials
				19A01407	Fluid Mechanics and Hydraulic Machinery
				19A05406T	Internet of Things
				19A03403	Kinematics of Machinery
				19A03404	Computer Aided Machine Drawing
				19A03402P	Mechanics of Materials Lab
				19A99302	Biology For Engineers
				15A01510	Fluid Mechanics and Hydraulic Machines
				15A03501	Thermal Engineering - II
				15A03502	Dynamics of Machinery
				15A03503	Machine Tools
		15A03504	Design of Machine Members - I		
		15A03505	a. Entrepreneurship		
		15A01511	Fluid Mechanics and Hydraulic Machines Laboratory		
		15A03508	Machine Tools Laboratory		
		15A99501	Audit course – Social Values & Ethics		
		15A03601	Operations Research		
		15A03602	Design of Machine Members – II		

		15A03603	Heat Transfer
		15A03604	Finite Element Method
		15A03605	Metal forming Process
		15A03606	a. Non Conventional Source of Energy
		15A03609	Heat Transfer Laboratory
		15A03610	Computer Aided Engineering Laboratory
		15A52602	Advanced English Language
			Communication Skills (AELCS) Laboratory (Audit Course)
		15A03611	Comprehensive Online Examination - II
		15A52601	Management Science
		15A03701	Automobile Engineering
		15A03702	CAD/CAM
		15A03703	Metrology and Measurements
		15A03705	c. Modern Manufacturing Methods
		15A03709	c. Production & Operations Management
		15A03710	CAD/ CAM Laboratory
		15A03711	Metrology and Measurements Laboratory
		15A03801	a. Industrial Engineering
		15A03804	a. Power Plant Engineering
		15A03807	Comprehensive Viva Voce
		15A03808	Technical Seminar
		15A03809	Project work
1A	B.TECH-CIVIL	MA20ABS101	Linear Algebra and Calculus
		PH20ABS101	Engineering Physics
		EG20AHS101	Communicative English
		EE20AES101	Basic Electrical & Electronics Engineering
		ME20AES102	Engineering Drawing
		ME20AES103	Engineering Graphics Lab
		PH20ABS102	Engineering Physics Lab
		EG20AHS102	Communicative English Lab
		EE20AES102	Basic Electrical & Electronics Engineering Lab
		MA20AMC102	Logical Skills for Professionals
		MA20ABS201	Differential Equations and Vector Calculus
		CH20ABS101	Engineering Chemistry
		CS20AES101	Problem Solving using C
		CE20AES201	Strength of Materials
		ME20AES101	Engineering Workshop
		CS20AES103	IT Workshop
		CS20AES102	Problem Solving using C Lab
		CH20ABS102	Engineering Chemistry Lab
		CE20AES202	Strength of Materials Lab
		CH20AMC201	Environmental Science
		EG20AMC103	Speech & Oral Communication
		19A54301	Complex Variables, Transforms and Partial Differential Equations
		19A01301T	Strength of Materials-I
		19A01302T	Fluid Mechanics
		19A01303T	Surveying
		19A01304	Building Materials and Construction
		19A05304T	Python Programming
		19A52301	Universal Human Values
		19A01301P	Strength of Material Lab
		19A01302P	Fluid Mechanics Lab
		19A01303P	Surveying Lab
		19A99301	Environmental Science

		19A01401	Strength of Materials-II
		19A01402T	Hydraulics and Hydraulic Machinery
		19A01403	Structural Analysis-I
		19A01404T	Concrete Technology
		19A01405T	Transportation Engineering
		19A01406	Environmental Engineering
		19A01402P	Hydraulic Machinery Lab
		19A01405P	Transportation Engineering Lab
		19A99302	Biology For Engineers
		15A01501	Design and Drawing of RCC Structures
		15A01502	Estimation, Costing and Valuation
		15A01503	Geotechnical Engineering – I
		15A01504	Engineering Geology
		15A01505	Structural Analysis – II
		15A01506	Cost Effective Housing Techniques
		15A01508	Engineering Geology Laboratory
		15A01509	Geotechnical Engineering Laboratory
		15A99501	Audit course - Social Values & Ethics
		15A01601	Concrete Technology
		15A01602	Design and Drawing of Steel Structures
		15A01603	Geotechnical Engineering – II
		15A01604	Transportation Engineering - I
		15A01605	Water Resources Engineering – I
		15A01607	Disaster Management & Mitigation
		15A01609	Concrete Technology Laboratory
		15A01610	Transportation Engineering Laboratory
		15A52602	Advanced English Language Communication Skills (AELCS) Laboratory (Audit Course)
		15A01611	Comprehensive Online Examination-II
		15A01701	Finite Element Methods
		15A01702	Transportation Engineering - II
		15A01703	Environmental Engineering
		15A01704	Water Resources Engineering – II
		15A01706	Ground Improvement Techniques
		15A01710	Rehabilitation and Retrofitting of Structures
		15A01711	CAD Laboratory
		15A01712	Environmental Engineering Laboratory
		15A01802	Advanced Structural Engineering
		15A01804	Environmental Impact Assessment and Management
		15A01805	Comprehensive Viva Voce
		15A01806	Technical Seminar
		15A01807	Project Work
		15A01808	Survey Camp**
1A	B.TECH -IT	MA20ABS101	Linear Algebra & Calculus (LA&C)
		CH20ABS103	Chemistry (CHE)
		CS20AES101	Problem Solving using C (PSC)
		EE20AES101	Basics Electrical & Electronics Engineering
		EG20AMC103	Speech & Oral Communication(SOC)
		19A54303	Mathematical Foundations of Computer Science (MFCS)
		19A05301	Digital Logic Design (DLD)
		19A99304	Design Thinking (DT)
		19A05302T	Database Management Systems (DBMS)
		19A05303T	Object Oriented Programming Through Java (OOPJ)
		19A05402T	Design and Analysis of Algorithms (DAA)
		19A05303P	Object Oriented Programming Through Java Lab
		19A05302P	Database Management Systems Lab

		19A05402P	Design and Analysis of Algorithms Lab
		19A99302	Biology For Engineers (BFE)
		15A05502	Computer Networks (CN)
		15A05503	Object Oriented Analysis & Design(OOAD)
		15A05404	Formal Languages & Automata Theory (FLAT)
		15A05602	Data Warehousing & Mining (DW&M)
		15A05604	Design and Analysis of Algorithms (DAA)
		15A05506	Introduction Big Data (BD)
		15A10502	UML & CN Laboratory
		15A05610	Data warehousing & Mining Laboratory
		15A99501	Audit course – Social Values & Ethics
		15A52601	Management Science(MS)
		15A10701	Internetworking with TCP/IP(TCP/IP)
		15A10702	Scripting Languages(SL)
		15A05703	Mobile Application Development(MAD)
		15A05707	Software Project Management (SPM)
		15A10703	Human Computer Interaction(HCI)
		15A10705	Scripting Languages Laboratory
		15A05711	Mobile Application Development
		MA20ABS201	Differential Equations and vector calculus (DEVC)
		PH20ABS103	Applied Physics (AP)
		EG20AHS101	Communicative English (CE)
		CS20AES201	Data Structures (DS)
		ME20AES102	Engineering Drawing (ED)
		ME20AES103	Engineering Graphics LAB
		EG20AHS102	Communicative English LAB
		PH20ABS104	Applied Physics LAB
		CS20AES202	Data Structures LAB
		BA20AMC201	Universal Human Values
		MA20AMC102	Logical Skills for Professionals
		19A54401	Number Theory and Applications (NTA)
		19A05404T	Software Engineering (SE)
		19A05401	Computer Organization (CO)
		19A05403T	Operating Systems (OS)
		19A05304T	Python Programming (PP)
		19A12401	Formal Languages and Automata Theory(FLAT)
		19A05304P	Python Programming Lab (PP LAB)
		19A05403P	Operating Systems Laboratory(OS LAB)
		19A52301	Universal Human Values(UHV)
		19A99301	Environmental Science
		15A05505	Software Testing (ST)
		15A05702	Information Security (IS)
		15A10601	Web Technologies (WT)
		15A05601	Compiler Design (CD)
		15A10602	Cloud Computing (CC)
		15A01608	Intellectual Property Rights (IPR)
		15A10604	Software Testing Laboratory (ST LAB)
		15A10605	Web Technologies Laboratory (WT LAB)
		15A52602	Advanced English Language Communication Skills Laboratory (AELCS LAB)
		15A05802	Mobile Computing
		15A05806	Cyber Security
		15A05808	Technical Seminar
		15A05809	Project Work
1A	B.TECH -CSE	MA20ABS101	Linear Algebra & Calculus (LA&C)
		CH20ABS103	Chemistry (CHE)
		CS20AES101	Problem Solving using C (PSC)
		EE20AES101	Basics Electrical & Electronics Engineering

		ME20AES101	Engineering Workshop (EW)
		CS20AES103	IT Workshop
		CH20ABS104	Chemistry Lab (CHE LAB)
		CS20AES102	Problem Solving using C Lab(PSC LAB)
		EE20AES102	Basics Electrical & Electronics Engineering Lab(BEEE LAB)
		EG20AMC103	Speech & Oral Communication(SOC)
		19A54303	Mathematical Foundations of Computer Science
		19A05301	Digital Logic Design(DLD)
		19A99304	Design Thinking(DT)
		19A05302T	Database Management Systems(DBMS)
		19A05303T	Object Oriented Programming Through Java
		19A05304T	Python Programming(PP)
		19A52301	Universal Human Values(UHV)
		19A99301	Environmental Science(ES)
		19A05302P	Database Management Systems Lab
		19A05303P	Object Oriented Programming Through Java Lab
		19A05304P	Python Programming Lab
		15A05501	Operating Systems (OS)
		15A05502	Computer Networks (CN)
		15A05503	Object Oriented Analysis and Design (OOAD)
		15A05504	Principles of Programming Languages (PPL)
		15A05505	Software Testing (ST)
		15A05506	Introduction to Big Data (BDT)
		15A99501	Social Values & Ethics (SVE)
		15A05509	Object Oriented Analysis and Design & Software Testing Laboratory
		15A05510	Operating Systems Laboratory
		15A52601	Management Science
		15A05701	Grid & Cloud Computing
		15A05702	Information Security
		15A05703	Mobile Application Development
		15A05706	Machine Learning
		15A05707	Software Project Management
		15A05710	Grid & Cloud Computing Laboratory
		15A05711	Mobile Application Development Laboratory
1A	B.Tech- ECE	MA20ABS101	Linear Algebra & Calculus (LA&C)
		PH20ABS103	Applied Physics (AP)
		EG20AHS101	Communicative English (CE)
		EE20AES103	Fundamentals Of Electrical Circuits (FEC)
		ME20AES102	Engineering Drawing (ED)
		ME20AES103	Engineering Graphics Lab
		PH20ABS104	Applied Physics Lab (AP LAB)
		EG20AHS102	Communicative English Lab (CE LAB)
		EE20AES104	Fundamentals Of Electrical Circuits Lab(FEC LAB)
		MA20AMC102	Logical Skills For Professionals
		MA20ABS201	Differential Equations and vector calculus (DEVC)
		CH20ABS103	Chemistry
		CS20AES101	Problem Solving using C (PSC)
		EC20AES201	Electronic Devices & Circuits (EDC)
		ME20AES101	Engineering Workshop (EW)
		CS20AES103	IT Workshop
		CS20AES102	Problem Solving using C LAB
		CH20ABS104	Chemistry LAB
		EC20AES202	Electronic Devices & Circuits LAB
		CH20AMC201	Environmental Science
		EG20AMC103	Speech & Oral Communication

		19A54302	Complexvariables and Transforms (CVT)
		19A04301	Signals &Systems(SS)
		19A04302T	ElectronicDevicesandCircuits (EDC)
		19A04303	ProbabilityTheoryandStochastic Processes (PTSP)
		19A04304	DigitalElectronics and LogicDesign(DELD)
		19A02304T	ElectricalTechnology (ET)
		15A05402	ComputerOrganization(CO)
		15A04501	Antennas &WavePropagation(AWP)
		15A04502	DigitalCommunicationSystems(DCS)
		15A04503	Linear Integrated Circuits and Applications(LICA)
		15A04504	DigitalSystemDesign (DSD)
		15A04506	MEMS& MicroSystems (MEMS)
		15A04701	OpticalFiberCommunication(OFC)
		15A04702	EmbeddedSystems(ES)
		15A04703	MicrowaveEngineering(MWE)
		15A04704	DataCommunicationsandNetworking(DCN)
		15A04705	RadarSystems(RS)
		15A04708	DigitalImageProcessing(DIP)
		19A04401	Electromagnetic Waves andTransmissionlines(EMTL)
		19A04402T	ElectronicCircuits–AnalysisandDesign(ECAD)
		19A02404	ControlSystems(CS)
		19A04403T	AnalogCommunications(AC)
		19A05304T	PythonProgramming(PP)
		19A04404	Computer Architecture andOrganization(CAO)
		15A52301	Managerial Economics and FinancialAnalysis(MEFA)
		15A04601	Microprocessors&Microcontrollers(MPMC)
		15A04602	ElectronicMeasurementsandInstrumentation(EMI)
		15A04603	DigitalSignalProcessing(DSP)
		15A04604	VLSIDesign(VLSID)
		15A04605	MATLABProgramming(MLP)
		15A04802	LowPowerVLSICircuits&Systems(LPVLSICS)
		15A04804	RFIntegratedCircuits(RFIC)
		15A04805	ComprehensiveVivaVoce(CVV)
		15A04806	TechnicalSeminar(TS)
		15A04807	ProjectWork(PW)
		MA20ABS201	Differential Equations and vector calculus
		PH20ABS103	Applied Physics
		EG20AHS101	Communicative English
		CS20AES201	Data Structures
		ME20AES102	Engineering Drawing
		MA20AMC102	Logical skills and Professionals
		19A54401	Number Theory and Applications
		19A05401	Computer Organization
		19A05402T	Design and Analysis of Algorithms
		19A52401	Entrepreneurship
		19A05403T	Operating Systems
		19A05404T	Software Engineering
		15A05601	Compiler Design
		15A05602	Data Warehousing & Mining
		15A05603	Design Patterns
		15A05604	Design and Analysis of Algorithms
		15A05605	Web and Internet Technologies
		15A05606	Artificial Intelligence
1E	MBA	BA20EPC101	Management & Organizational Behaviour
		BA20EPC102	Business Environment & Law

		BA20EPC103	Managerial Economics
		BA20EPC104	Accounting for Management
		BA20EPC105	Business Statistics
		BA20EPC106	Business Communication
		BA20EPC107	Information Technology for Managers
		BA20EPC108	Business Communication Lab
		BA20EAC109	Personality Development (Audit Course)
		BA20EPC201	Human Resource Management
		BA20EPC202	Marketing Management
		BA20EPC203	Business Research Methods
		BA20EPC204	Financial Management
		BA20EPC205	Operations Research
		BA20EPC206	Operations Management
		BA20EPC207	Management Information System
		BA20EAC208	Business Analytics Lab
		BA20EAC209	World Trade Organization and Intellectual Property Rights(Audit Course)
		BA20EPC301	Innovation and Entrepreneurship Development
		BA20EPC302	Green Business Management
		BA20EPE304	Product and Brand Management
		BA20EPE305	Human Resource Development
		BA20EPE308	Consumer Behavior
		BA20EPE309	Labor laws and Legislation
		BA20EPE311	Investment and Portfolio Management
		BA20EPE312	Retail Management
		BA20EPE315	Mergers and Acquisitions
		BA20EPE316	Advertising and Sales Promotion Management
		BA20EPC319	Business Simulation Lab
		BA20EMC320	MOOCS
		BA20EMC321	Business Ethics and Corporate Governance(audit course)
		BA20EPC401	Strategic Management
		BA20EPC402	E-Business
		BA20EPE403	Financial Derivatives
		BA20EPE404	Services Marketing
		BA20EPE408	International Marketing
		BA20EPE409	Global Human Resource Management
		BA20ETS411	Seminar (Contemporary Issues on Business)
		BA20EPW412	Project Work
1F	MCA	CA20FPC101	Computer Organization
		CA20FPC102	Data Structures using C
		CA20FPC103	Database Management System
		BA20FHS101	Accounting and Financial Management
		CA20FPC104	Mathematical Foundations for Computer Science
		CA20FPC105	Computer Networks
		CA20FPC106	Database Management Systems Lab
		CA20FPC107	Data Structures using C Lab
		CA20FPC108	Office Automation & Trouble shooting Lab
		CA20FPC109	Mandatory Course(Corporate Communication Skills)
		CA20FPC201	Operating Systems
		CA20FPC202	Python Programming
		CA20FPC203	OOPS through JAVA
		MA20FPC201	Probability and Statistics
		CA20FPC204	Software Engineering
		CA20FPC205	Automata Theory
		CA20FPC206	Soft Computing
		CA20FPC207	Artificial Intelligence
		CA20FPC208	Linux Programming
		CA20FPC209	Ethical Hacking

		CA20FPC210	Operating Systems Lab
		CA20FPC211	Python Programming Lab
		CA20FPC212	Java Programming Lab
		CA20FPC301	Design and Analysis of Algorithms
		CA20FPC302	Data Science & Analytics
		CA20FPC303	Web Technologies
		CA20FPC304	Cloud Computing
		CA20FPC305	Software Testing
		CA20FPC306	Cryptography and Network Security
		CA20FPC307	Internetof Things
		CA20FPC308	Software Project Management
		CA20FPC309	NET Framework andC#
		CA20FPC310	Mobile Application Development
		CA20FPC311	Natural Language Processing
		CA20FPC312	Big Data Analytics
		CA20FPC313	Distributed Systems
		CA20FPC314	Data Datawarehousing and Data Mining
		CA20FPC315	Design and Analytics of Algorithm Lab
		CA20FPC316	Data Science & Analytics Lab
		CA20FPC317	Web Technologies Lab
		CA20FMC318	Mandatory Course(Universal Human Values)
1D	M.Tech -VLSI	EC20DPC101	CMOS Analog IC Design
		EC20DPC102	CMOS Digital IC Design
		EC20DPE104	Nanomaterials & Nanotechnology
		EC20DPE107	CPLD and FPGA Architectures and Applications
		EC20DPC109	Research Methodology and IPR
		EC20DPC114	CMOS Analog IC Design Lab
		EC20DPC115	CMOS Digital IC Design Lab
		EC20DPC201	CMOS Mixed Signal Design
		EC20DPC202	Physical Design Automation
		EC20DPE205	MEMS System Design
		EC20DPE206	Low Power VLSI Design
		EC20DAC209	English for Research Paper Writing
		EC20DMC216	Entrepreneurship & Incubation
		EC20DPC213	Mixed Signal IC Design Lab
		EC20DPC214	Physical Design Automation Lab
		EE20DTS215	Technical Seminar
1D	M.Tech -CSE	CS20DPC201	ADVANCED ALGORITHMS
		CS20DPC202	ADVANCED COMPUTER ARCHITECTURE
		CS20DPE203	NETWORK SECURITY
		CS20DPE206	HUMAN COMPUTER INTERACTION
		CS20DAC209	ENGLISH FOR RESEARCH PAPR WRITING
		CS20DPC210	ADVANCED ALGORITHMS LAB
		CS20DPE211	HUMAN COMPUTER INTERACTION LAB
		CS20DTS212	TECHNICAL SEMINAR
		CS20DMC201	ENTERPRISE RESOURCE PLANNING
1D	M.Tech-Power Systems	EE20DPC101	Power Quality
		EE20DPC102	Advanced Power System Protection
		EE20DPE104	Solar Energy Conversion Systems
		EE20DPE106	Energy Auditing & Management
		EE20DOE109	Research Methodology and IPR
		EE20DAC110	Disaster Management
		EE20DPC114	Power System Protection LAB
		EE20DPC115	Power System Steady State Analysis LAB
		EE20DPC201	Power System Stability & Control
		EE20DPC202	Restructured Power System
		EE20DPE203	Reactive Power Compensation & Management
		EE20DPE208	Smart Grid Technologies
		EE20DAC209	English for Research Paper Writing



		EE20DMC201	Entrepreneurship & Incubation
		EE20DPC213	Power System Dynamics LAB
		EE20DPC214	AI based Power System LAB
		EE20DTS215	Seminar
1D	M.Tech AMS	ME20DPC101	Modern Machining Processes
		ME20DPC102	Automation in Manufacturing
		ME20DPE104	Advanced Casting and welding Technology
		ME20DPE108	Design for Assembly and Manufacturing
		ME20DPC111	Research Methodology and IPR
		ME20DPC112	Computer Aided Manufacturing Laboratory
		ME20DPC113	Advanced Simulation Laboratory
		ME20DAC116	Constitution of India
		ME20DPC201	Precision Engineering
		ME20DPC202	Advanced Production and Operations
		ME20DPE206	Advanced Materials Processing
		ME20DPE209	Flexible Manufacturing Systems
		ME20DPC211	Advanced Computer Aided Engineering Laboratory
		ME20DPC212	MATLAB Programming for Industrial Applications Laboratory
		ME20DTS213	Technical Seminar
		ME20DMC201	Introduction to CAD/CAM
		ME20DAC214	English for Research Paper Writing
		ME20DPE304	Polymers and Composite Materials
		EE20DOE302	Smart Grid Technologies
		ME20DMC301	Mandatory Course
		ME20DPC301	Dissertation Phase I
	B.Tech-CYBER SECURITY	MA20ABS201	Differential Equations and Vector Calculus
		PH20ABS103	Applied Physics
		EG20AHS101	Communicative English
		CS20AES201	Data structures
		ME20AES102	Engineering Drawing
		ME20AES103	Engineering graphics Lab
		EG20AHS102	Communicative English Lab
		PH20ABS104	Applied Physics lab
		CS20AES202	Data Structures Lab
		BA20AMC201	Universal Human values
		MA20AMC102	Logical Skills for professionals
1A	B.Tech-EEE	MA20ABS101	Linear Algebra and Calculus
		PH20ABS103	Applied Physics
		EG20AHS101	Communicative English
		EE20AES103	Fundamentals of Electrical Circuits
		ME20AES102	Engineering Drawing
		ME20AES103	Engineering Graphics Lab
		PH20ABS104	Applied Physics Lab
		EG20AHS102	Communicative English Lab
		EE20AES104	Fundamentals of Electrical Circuits Lab
		MA20AMC102	Logical Skills for Professionals
		MA20ABS201	Differential Equations and Vector Calculus
		CH20ABS103	Chemistry
		CS20AES101	Problem Solving using C
		EE20AES201	Electrical Circuit Analysis
		ME20AES101	Engineering Workshop
		CS20AES103	IT Workshop
		CS20AES102	Problem Solving using C Lab
		CH20ABS104	Chemistry Lab
		EE20AES202	Electrical Circuit & Simulation Lab
		CH20AMC201	Environmental Science
		EG20AMC103	Speech & Oral Communication

	19A54302	Complex Variables & Transforms
	19A02301T	Basic Electrical Circuits
	19A02302	Power System Architecture
	19A02303T	DC Machines & Transformers
	19A04306T	Semiconductor Devices and Circuits
	19A04304	Digital Electronics and Logic Design
	19A02303P	DC Machines & Transformers Lab
	19A04306P	Semiconductor Devices and Circuits Lab Lab
	19A02301P	Basic Electrical Circuits Lab
	19A99302	Biology For Engineers
	19A54304	Numerical Methods & Probability Theory
	19A02401T	Electrical Circuit Analysis
	19A02402	Engineering Electromagnetics
	19A02403	Power Electronics
	19A04405	Analog Electronic Circuits
	19A05304T	Python Programming
	19A52301	Universal Human Values
	19A02401P	Electrical Circuit Analysis Lab
	19A04406	Electronic Circuits Lab
	19A99301	Environmental Science
	15A02501	Electrical Measurements
	15A04509	Linear & Digital IC Applications
	15A02502	Electrical Power Transmission Systems
	15A02503	Power Electronics
	15A02504	Electrical Machines – III
	15A04510	Digital Circuits and Systems
	15A02506	Electrical Machines Laboratory – II
	15A02507	Electrical Measurements Laboratory
	15A99501	Audit course – Social Values & Ethics
	15A52601	Management Science
	15A02601	Power Semiconductor Drives
	15A02602	Power System Protection
	15A04601	Microprocessors & Microcontrollers
	15A02603	Power System Analysis
	15A02604	Neural Networks & Fuzzy Logic
	15A04607	Microprocessors & Microcontrollers Laboratory
	15A02607	Power Electronics & Simulation Laboratory
	15A52602	Advanced English Language Communication Skills (AELCS) Laboratory (Audit Course)
	15A02608	Comprehensive Online Examination - II
	15A02701	Electrical Distribution Systems
	15A04603	Digital Signal Processing
	15A02702	Power System Operation and Control
	15A02703	Utilization of Electrical Energy
	15A02706	Energy Auditing & Demand Side Management
	15A02708	Flexible AC Transmission Systems
	15A04608	Digital Signal Processing Laboratory
	15A02710	Power Systems & Simulation Laboratory
	15A02801	Instrumentation
	15A02804	HVDC Transmission
	15A02806	Comprehensive Viva Voce
	15A02807	Technical Seminar
	15A02808	Project Work