

Curriculum

Electrical & Electronics Engineering

Semester	Subjects	Credits
1	Mathematics I for EEE Stream	4
	Applied Physics for EEE Stream	4
	Elements of Electrical Engineeirng	3
	Introduction to C programming	3
	Sensor Systems	3
	Communicate English	1
	Innovative and Design thinking	1
2	Mathematics II for EEE Stream	4
	Chemistry for EEE Stream	4
	Computer Aided Engineering Drawing	3
	Introduction to Electronics and Communication	3
	Introduction to Python Programming	3
	Professional Writing skills in English	1
	Scientific Foundation of Health	1
3	Transform Calculus and Numerical Methods	3
	Electrical Machines-I	4
	Analog Electronic Circuits	4
	Electric Circuits	3
	Measurements & Transducers	3
	Digital logic Design	3
4	Complex Variables and Probability	3
	Electrical Machines-II	4
	Control Systems	4
	Power System –I	3
	Signal and Systems	3
	Data structures using C	3
5	Management & Economics	3
	Power Electronics	4
	Embedded System	4
	Power System –II	3
	Object Oriented Programming Using C++	3
	Digital System Design using Verilog HDL	3
	Advanced Control Systems	3
	Electromagnetic Field theory	3
	Auto CAD	2
	Environmental Science	1
	Universal Human Values	1
6	Industrial Drives and its Applications	3
	Power system –III	4
	Internet of Things and its Applications	4
	Artificial Intelligence	3
	VLSI Design	3
	Micro grids	3
	Modern Utilization of Electrical Power	3
	Electric Vehicles	3
	Industrial Automation	3
	Environmental Science	1
	Universal Human Values	1
	Mini Project	2
7	Digital Signal Processing	3
	Power System –IV	4
	Electrical Vehicles	4
	Machine Learning	3
	Robotics & Automation	3
	Switched Mode Power converters	3
	FACTS & HVDC	3
	Smart Grid Technology	3
	Electrical Energy Conservation & Auditing	3
	Project Phase 1	2
8	Smart Grid	4
	Industrial Automation	3
	Micro Electro Mechanical Systems	3
	Electrical Power Quality	3
	Electrical Distribution Systems	3
	Soft Computing Techniques	3
	Image Processing	3
	Electrical Energy Conservation & Auditing	3
	Energy Storage Systems	3
	Project work phase – II	8
	Technical Seminar	1
	Internship	2

Electives

- Object Oriented Programming Using C++
- Machine Learning
- Digital System Design using Verilog HDL
- Robotics & Automation
- Advanced Control Systems
- Switched Mode Power converters
- Electromagnetic Field theory
- FACTS & HVDC
- Artificial Intelligence
- Smart Grid Technology VLSI Design
- Micro Electro Mechanical Systems
- Micro grids
- Electrical Power Quality
- Modern Utilization of Electrical Power
- Electrical Distribution Systems
- Electric Vehicles
- Soft Computing Techniques Industrial Automation
- Image Processing
- Energy Storage Systems
- Electrical Energy Conservation & Auditing