

Syllabus of Electrical Engineering

Subjects in 1st year are common to all branches.

THEORY	SESSIONALS
Mathematics-I	Engineering Drawing-I
Physics-I	'C' Programming Lab
Chemistry-I	Workshop Practice-I
Mechanics-I	Physics Laboratory
Basic Electrical Engineering	Chemistry Laboratory
Communicative English	Communication Practice Laboratory-II
Thermodynamics	Engineering Drawing-II
Basic Electronic Engineering	Data Structure in 'C' Laboratory
Programming in 'C'	Workshop Practice-II
Mathematics-II	Communication Practice Laboratory-II
Business Communication In English	
Data Structure Using 'C'	

3rd Semester

THEORY	SESSIONALS
Mathematics - III	OOP Laboratory
Organizational Behaviour	Analog Electronics Laboratory
Object Oriented Programming	Basic Electronics Laboratory
Network Theory	Network Laboratory
Analog Electronic Circuits	
Physics of Semiconductor Devices	

4th Semester

THEORY	SESSIONALS
Mathematics-IV	Basic Electrical Engineering Laboratory
Fluid Mechanics	Relational Database Management System Laboratory
Material Sciences	Mechanical Engineering Laboratory
Relational Database Management System	Digital Electronics Laboratory
Engineering Economics and Costing	
Digital Electronics Circuit	

5th Semester

THEORY	SESSIONALS
Optimization in Engineering	Microprocessor and Microcontroller Laboratory
Microcontroller and Microprocessor	Electrical Machines Laboratory-I
Electrical Machines-I	Control and Instrumentation Laboratory
Control System Engineering-I	
Electronics Measurement and Measuring Instruments	
Transmission and Distribution	

6th Semester

THEORY	SESSIONALS
Production and Operation Management	Electrical Machines Laboratory-II
Digital Signal Processing	Design of Electrical Power Apparatus Laboratory
Electromagnetic Theory	Power Electronics Laboratory
Control System Engineering-II	
Power Electronics	
Electrical Machines-II	

7th Semester

THEORY	SESSIONALS
Electric Drives and Traction	Advanced Computational Laboratory
Power System Operation and Control	Practical Training Seminar
Power System Protection	Power System Laboratory
VLSI Design	Minor Project
Power Station Engineering	

8th Semester

THEORY	SESSIONALS
High Voltage Engineering	Minor Project
Computer Networks	Seminar
Departmental Elective-II	Comprehensive Viva Voce
Departmental Elective-III	