

B.E. ELECTRICAL ENGINEERING SYALLABUS

SEMESTER- I

1. Engineering Mathematics I
2. Communicative English
3. Elements and Devices of Computing Technology
4. Computer Programming
5. Physics
6. Engineering Drawing-I
7. Workshop Technology

SEMESTER-II

1. Engineering Mathematics-II
2. Chemistry
3. Electrical Engineering
4. Applied Mechanics
5. Object Oriented Programming
6. Digital Logic

SEMESTER-III

1. Engineering Mathematics-III
2. Fundamentals of Thermodynamics & Heat
3. Electric Circuit Theory
4. Electronic Devices and Circuits
5. Electrical Engineering Material
6. Microprocessor

SEMESTER-IV

1. Electromagnetics
2. Applied Mathematics
3. Numerical Methods
4. Electrical Machines-I
5. Power System Analysis
6. Instrumentation

SEMESTER-V

1. Probability and Statistics
2. Synchronous & Special Machines
3. Control System Engineering
4. Electric Machine Design
5. Power System Analysis-II
6. Advanced Instrumentation
7. Research Methodology

SEMESTER-VI

1. Power System Protection
2. Digital Control System
3. Industrial Electrification
4. Signal Analysis
5. Hydropower Engineering
6. Engineering Economics

SEMESTER-VII

1. Power Electronics
2. Utilization of Electrical Energy
3. Power Plant Equipment
4. Project Management for Engineering
5. Hazard Analysis and Safety Management
6. Rural Electrification
7. Project-I
8. Electrical Energy System Management
9. Reliability Engineering

SEMESTER-VIII

1. Engineering Professional Practice
2. Power Transmission & Distribution Design
3. High Voltage Engineering
4. Power Plant Design
5. Advanced Power System Analysis
6. Applied Photovoltaic Engineering
7. Micro Hydropower
8. Artificial Neural Network
9. Wind Energy Conversion System
10. Project-II