

## **Electronics & Communication Engineering**

### **III Semester**

Engineering Mathematics –III  
Analog Electronic Circuits  
Logic Design  
Network Analysis  
Electronic Instrumentation  
Field Theory  
Analog Electronics Lab  
Logic Design Lab

### **IV Semester**

Engineering Mathematics –IV  
Microcontrollers  
Control Systems  
Signals & Systems  
Fundamentals of HDL  
Linear ICs & Applications  
Microcontrollers Lab  
HDL Lab

### **V Semester**

Management & Entrepreneurship  
Digital Signal Processing  
Analog Communication  
Microwaves and Radar  
Digital Switching Systems  
Fundamental of CMOS VLSI  
DSP Lab  
Analog Communication Lab + LIC Lab

### **VI Semester**

Digital Communication  
Microprocessors  
Analog and Mixed Mode VLSI Design  
Antennas and propagation  
Information theory and coding  
Advanced communication Lab  
Microprocessors Lab

### **Elective \_ I ( Group A)**

Programming in C++  
Satellite Communications  
Random Processes  
Adaptive Signal Processing  
Low Power VLSI Design  
Modern Control Theory  
Digital System Design Using VHDL

### **VII Semester**

Computer Communication & Network  
Optical Fiber Communication

Power Electronics  
DSP Algorithms & Architecture  
VLSI Lab  
Power Electronics Lab

**Elective -2 (Group B)**

Operating Systems  
Pattern Recognition  
Artificial Neural Network  
CAD for VLSI  
ATM Networks  
Image Processing  
Applied Embedded System Design  
Video Engineering

**Elective -3 (Group C)**

Data Structures using C++  
Real Time Systems  
Radio Frequency Integrated Circuits  
Wavelet Transforms  
Modeling & Simulation of Data Networks  
Speech Processing  
HR Management  
Micro and Smart Systems Technology

**VIII Semester**

Wireless Communication  
Embedded System Design  
Project Work  
Seminar

**Elective – 4 (Group D)**

Distributed Systems  
Network Security  
Internet Engineering  
Biomedical Signal Processing  
High Performance Computer Networks  
Fuzzy Logic

**Elective – 5 (Group E)**

Multimedia Communication  
Real Time Operating Systems  
Optical Networks  
GSM  
Adhoc Wireless Networks  
Optical Computing