

UG Program: B.Tech. in Electronics and Communication Engineering

Program Elective Subjects:

Sl.No.	Name of Subject
1	Computer Organization and Architecture
2	Data Base Management System
3	Electronic Instrumentation and Measurements
4	Python and R Programming
5	Data Structure
6	Internet of Things
7	Power Electronics
8	Advanced Electronics Devices
9	OOPs with C++
10	JAVA Programming
11	Data Science for Engineers
12	Digital Image Processing
13	Embedded Systems
14	Mobile Communication
15	Information Theory and Coding
16	Wireless Sensor Networks
17	Speech Processing
18	MEMs and NEMs
19	Automation and Robotics
20	Multimedia Communication
21	Detection and Estimation
22	Adaptive Signal Processing
23	Machine Learning
24	Soft Computing Techniques
25	Advanced Computer Networks
26	Cloud Computing
27	Software Defined Networks
28	Advanced DSP
29	Deep Learning
30	Computer Vision

Open Elective Subjects:

Sl.No.	Name of Subject
1	Introduction to IoT
2	Introduction to Robotics
3	Introduction to NANO Electronics
4	IIoT and Industry 4.0

Honours Subjects: VLSI and NANO Technology

Sl.No.	Name of Minor Specialization
1	Semiconductor Physics
2	Solid state Devices
3	Nano electronic Devices and Materials
4	Advanced VLSI Design and applications

Honours Subjects: Internet of Things (IOT)

Sl.No.	Name of Minor Specialization
1	Sensors and Actuators for IoT
2	IoT Gateways and Edge Computing
3	Communication Pathways between cloud and IoT
4	Data Centre and Cloud Computing

Honours Subjects: Signal Processing

Sl.No.	Name of Minor Specialization
1	Signal Processing for Communication
2	Optimization Techniques
3	Pattern Recognition
4	Time Frequency Analysis