CURRICULUM

I Semester

- Engineering Maths 1
- Engineering Physics
- Basics of Electrical and Electronics Engineering
- Problem Solving Techniques using C
- Communicative English
- Mind Management and Human Values – 1
- Research and Entrepreneurship Project

II Semester

- Engineering Maths 2
- Biology for Engineers
- Engineering Chemistry
- Data Structures using C++
- Analog and Digital Circuits
- Workshop Practices
- PCL - 1 - Research and Entrepreneurship Project
- Mind Management and Human Values – 2

III Semester

- Engineering Maths 3
- Operating System
- Python Programming
- Computer Architecture and Organization
- Software Engineering
- Introduction to Sensors and Circuits
- Department Specific Elective - I
- Research and Entrepreneurship Project

IV Semester

- Principles of Digital Design
- Database Management Systems
- Micro Processors and Micro Controller
- Cryptography and Network Security
- Department Specific Elective - II
- Open Elective I
- PCL -2 Research and Entrepreneurship Project
- Internship-1

V Semester

- Statistics for Engineers
- Principles of Cloud Security
- Introduction to Cyber-Physical Systems
- IoT Fundamentals
- Embedded Systems
- Sensor Technologies
- Department Specific Elective - III
- Research and Entrepreneurship Project

VI Semester

- Real-Time Operating Systems
- Digital Forensics
- Department Specific Elective IV
- Open Elective II
- Professional Ethics
- PCL -3 Research and Entrepreneurship Project
- Internship-2

VII Semester

- Web Application Security
- Cyber Forensics
- Network Defence
- Department Specific Elective V
- Open Elective III
- Mini Project

VIII Semester

- Open Elective IV
- Internship-3
- Project Work
- Research (Publications/Patent)