**Robotics Engineering Subjects under the BTech Programme**

There will be eight semesters in BTech Robotics Engineering. It is important to pass all the subjects to be eligible for qualifying for the next semester. Following are the robotics engineering subjects under the BTech program:

**Robotics Engineering Subjects: First Semester**

* Programming for Problem Solving
* Environmental Studies
* Engineering Physics
* Engineering Maths-I
* Practical/Viva

**Robotics Engineering Subjects: Second Semester**

* Application-based Programming
* Principle of Electrical and Electronics
* Value & Ethics
* Engineering Maths-II
* Practical/Viva

**Robotics Engineering Subjects: Third Semester**

* Introduction to Entrepreneurship
* Signal and System
* Probability & Statistics (With MATLAB & Science Lab)
* Digital System Design
* Analog Devices and Circuits –I
* Practical/Viva

**Robotics Engineering Subjects: Fourth Semester**

* Network Analysis & Synthesis
* Communication Engineering
* Analog Devices and Circuits-II
* Electromagnetic Field Theory
* Introduction to Biology for Engineers
* Elective
* Practical/Viva

**Robotics Engineering Subjects: Fifth Semester**

* Control systems
* Microprocessor and Microcontroller with Interfacing
* Digital Communication
* Research Methodology
* Practical/Viva

**Robotics Engineering Subjects: Sixth Semester**

* Digital Signal Processing
* Antennas and Wave Propagation
* Wireless Sensor Networks
* CMOS Design
* Data Communication Networks
* Practical/Viva

**Robotics Engineering Subjects: Seventh Semester**

* Fibre Optic Communication/Speech and Audio Processing
* Information Theory and Coding/Nano Electronics
* Management for Engineers
* Introduction to IoT
* Elective
* Practical/Viva

**Robotics Engineering Subjects: Eighth Semester**

* Major Projects

**Robotics Engineering Subjects under MTech Programme**

The subjects incorporated under MTech robotics engineering are given below:

**Robotics Engineering Subjects: First Semester**

* Robotics : Analysis & Systems
* Research Process & Methodology
* Industrial Automation
* Departmental Elective- I
* Departmental Elective- II
* Lab-I
* Lab-II

**Robotics Engineering Subjects: Second Semester**

* Advance Computer Concepts for Automation
* Drives & Control system for Automation
* Departmental Elective- III
* Departmental Elective- IV
* Departmental Elective- V
* Lab-III

**Robotics Engineering Subjects: Third Semester**

* Seminar
* Dissertation

**Robotics Engineering Subjects: Fourth Semester**

* Dissertation( Final)