

School of Mechatronics Engineering

Program Structure

SEM I	SEM II
Applied Mathematics I	Applied Mathematics II
Applied physics	Applied chemistry
Applied Thermodynamics	Engineering Drawing
Computer programming 1	Material Science and Manufacturing Technology
Basics of Electrical and Electronics Engineering	Basic Mechatronics Measurement & Instruments
IDSC-I	Workshop Practice (Lab)
Environmental Studies	IDSC-2(life coping skill)
	Internship
SEM III	SEM IV
Applied Mathematics III	Control Engineering
Analog and Digital Electronics	Computer Aided Design
Advanced Mechatronics Measurement & Instruments	Strength of Materials
Engineering Mechanics	Microcontrollers and applications
Fluid Mechanics and Heat Transfer	Communication Systems
Computer Programming 2	Power Electronics and Drives
IDSC-3(life coping skill)	IDSC-4(life coping skill)
	Internship
SEM V	SEM VI
Robotics Engineering	Industrial Automation
Communication network and WSN	Internet of Things
Bio-Medical Engineering	Artificial Intelligence and Machine learning
Digital Signal Processing	Dynamics of Machinery
Theory of Mechanism	Hybrid and Electric Vehicle
ELECTIVE I: 1. Additive Manufacturing - 3D Printing 2. Automotive Electronics 3. Renewable Energy Systems	Elective II 1. Building Automation 2. Digital Image Processing 3. Finite Element Analysis
IDSC-5(life coping skill)	IDSC-6(life coping skill)
Disaster Management	Internship
SEM VII	SEM VIII
Internship	Product Design & Development
Seminar	Reliability Engineering & TQM
	Elective 3 1. Autonomous Robots 2. Industry 4.0 3. Entrepreneurship Development
	Project
	NPTEL/MOOC certification course
	IDSC-7 [Life Coping Skills]