Course Title:	Course Code:	Credit Hrs:
Mechatronics & Robotics Engineering	ME-345	2+1

Textbooks:

- Mechatronics Second Edition by Emereo

Reference Books:

- Robotics and control Mc-Grawhill
- Mechatronics In Action springer

Course Objective:

Mechatronics and Robotics Engineering integrates mechanical, electrical, and computer engineering to design and develop automated systems and robots, focusing on enhancing functionality, precision, and intelligence in various applications.

Course Outline:

- Introduction to Electric and Electronic Circuits
- Introduction to Systems Engineering & Software
- Modelling, Analysis and Control
- Physical Systems
- Systems Engineering Mathematics I
- Digital and Embedded Systems
- Group Control Project and Professional Skills
- Global Engineering Challenge Week

Description	Percentage Weightage (%)
Assignments	05-10%
Quizzes	10-15%
Mid Semester Exams	30-40%
End Semester **ASSESSMENTS** Exam	40-50%