

Study Plan

Appropriate mix of elective courses will be offered every semester allowing the students adequate choice in selecting the courses that meet their needs. The Table below shows the proposed semester by semester study plan for the proposed program.

First Year

Fall Semester

Course #	Course Title	Type	Cr.Hr
1502501	Engineering Research Methodology	C	3
1502631	Autonomous Mobile Robot Navigation	C	3
	Elective Course	E	3
Total			9

Spring Semester

Course #	Course Title	Type	Cr.Hr
0402531	Control Engineering and Robotic Applications	C	3
	Elective Course	E	3
	Elective Course	E	3
Total			9

Second Year

Fall Semester

Course #	Course Title	Type	Cr.Hr
	Elective Course	E	3
	Elective Course	E	3
1502599	Thesis	C	3
Total			9

Spring Semester

Course #	Course Title	Type	Cr.Hr
1502599	Thesis	C	6
Total			6

C: Compulsory Requirements

E: Elective Requirements

Course Highlights:

- Engineering Research Methodology: Focuses on research methods, experimental design, and communication of findings.
- Autonomous Mobile Robot Navigation: Teaches navigation algorithms for autonomous mobile robots.
- Control Engineering and Robotic Applications: Covers control systems theory and robotic fundamentals.

Thesis Requirement:

In-depth research on a chosen topic, leading to a thesis that contributes to the field of robotics, supervised by a faculty member.

This structured program equips students with a comprehensive understanding of robotics and control systems, preparing them for innovative roles in the industry and academia.