



TECHNO INDIA UNIVERSITY

W E S T B E N G A L

**M.Tech in Electronics & Communication
Engineering**

Syllabus

2024-25

FOURTH SEMESTER

Program: B. Tech. in ECE	Year, Semester: 4 th Yr., 7th Sem.
Course Title: Dissertation-PhaseII	Subject Code: TIU-PEC- S202
Contact Hours/Week: 0–0–32 (L–T–P)	Credit: 16

Course Objectives:

- To develop problem-solving skills through research and practical implementation.
- To enhance technical knowledge in real-world applications.
- To improve project management, teamwork, and communication skills.
- To document and present the project findings effectively.

COURSE OUTCOME:

CO-1	Identify and define an engineering problem through literature survey and industry requirements.	K4
CO-2	Formulate project objectives, methodology, and work plan.	K4
CO-3	Design, develop, and implement innovative solutions using appropriate tools and techniques.	K3
CO-4	Analyze and evaluate project outcomes using experimental results, simulations, or prototypes.	K4
CO-5	Prepare technical documentation, research reports, and project presentations.	K4
CO-6	Demonstrate teamwork, ethical practices, and project management skills.	K3

COURSE CONTENT:

Phase 1: Project Proposal & Planning
Phase 2: System Design & Development
Phase 3: Implementation & Experimentation
Phase 4: Report Writing & Final Presentation