

NIRMA UNIVERSITY

Institute:	Institute of Technology, School of Technology
Name of Programme:	MTech CSE, MTech CSE (Cyber Security), MTech CSE (Data Science)
Course Code:	7CS291CC24
Course Title:	Major Project Part-I
Course Type:	Core
Year of Introduction:	2024-25

L	T	Practical Component				C
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Course Learning Outcomes (CLO):

At the end of the course, the students will be able to:

1. understand the issues related to the recent trends in the field of engineering and its applications
2. formulate the problem definition, analyse and do the functional simulation of the same
3. design, Implement, test, and verify the engineering solution related to the problem definition
4. compile, Comprehend, and Present the work carried out
5. manage project.

Contents:

A student is required to carry out elaborate project work. The project may be either software design and development work or a simulation and synthesis of a problem/system, developing algorithms, and verifying the feasibility of the proposed solution. At the end of the semester, the student will be required to submit a detailed report of the literature survey, design problem formulation, analysis, functional simulation and synthesis, work plan, and work done and will defend his/her work carried out before examiners.