

NIRMA UNIVERSITY

Institute:	Institute of Technology
Name of Programme:	Integrated B.Tech.(CSE)-MBA
Course Code:	CSI0920
Course Title:	Computer Engineering Project
Course Type:	(<input checked="" type="checkbox"/> Core/ <input type="checkbox"/> Value Added Course / <input type="checkbox"/> Department Elective / <input type="checkbox"/> Institute Elective/ <input type="checkbox"/> University Elective/ <input type="checkbox"/> Open Elective / <input type="checkbox"/> Any other)
Year of Introduction:	2022-23

L	T	Practical Component				C
		LPW	PW	W	S	
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Project

Course Learning Outcomes (CLOs):

After successful completion of the course, student will be able to –

1. make use of acquired knowledge for the problem identification and definition related to industry / research / societal need,
2. analyze the technical aspects of the project with a comprehensive and systematic approach,
3. select the appropriate modern tool(s) and technique(s) for problem solving,
4. propose and select the appropriate and cost-effective solution,
5. appraise the importance of an individual / team for effective execution,
6. value the health, environment, safety and ethical practices during the project,
7. perceive the possibility of scalability and scope of intellectual property rights,
8. compile and conclude the project with effective communication amongst peers, mentors and society,
9. develop life-long learning skills for productive career.

Syllabus The project will be aligned with the aims of the engineering programme and its areas of specialization and shall be based on the recent trends in technology, computational techniques, system / process analysis, construction / fabrication / production techniques, design methodologies, analytical formulation and solution, etc. The student(s) shall carry out a comprehensive project at relevant Academic / R&D / Industrial organization based on one or more of the following aspects: –

Prototype Design, Product Preparation / Development, Working Model, Fabrication of Set up, Laboratory Experiments, Process Modification / Development, Simulation, Software Application / Development, Integration of Software and Hardware, Data Analysis, Survey etc. The student is required to submit a project report based on the work carried out.