GANPAT UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY

Programme	Master of Technology		Branch/Spec.	Computer Engineering (Artificial Intelligence)
Semester	I		Version	2.0.0.0
Effective from Academic Year	2025-26		Effective for the Batch admitted in	July 2025
Course Code	3CEAI103	Course Name	Mini Project	

Teaching Scheme						Examination Scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	-	-	2	-	2	Theory	-	-	-
Hours	-	-	4	-	4	Practical	30	20	50

Pre-requisites
Fundamentals of programming, software engineering, and technical tool usage.

Course Outcomes
On successful completion of the course, the students will be able to:

CO1	Identify key sections, including literature review, problem statement, and requirements needed in a project proposal
CO2	Explain the methodology and solution design for the identified problem with an appropriate rationale.
CO3	Develop a project proposal with relevant sections like an introduction, a literature survey, a problem definition, a proposed solution, and an action plan.
CO4	Evaluate relevant literature and methodologies to design an effective project proposal.

Theory Syllabus
NA

Practical Content

Unit	Guidelines	Hrs.
1	Students are supposed to find a suitable project or assign the project to the students by faculties and prepare a detailed plan in this current semester so that it can be executed smoothly in the next semester. Students from Computer Engineering(Artificial Intelligence) program should have to carry out project work in the AI/ML/DL domain.The students then will work on the identified problem through a rigorous process of understanding and analysing the problem, conducting a literature search, deriving, discussing (monitored by guide) and designing the project proposal with the following subtitles: ➢ Rationale (one page) ➢ Introduction ➢ Literature survey ➢ Problem definition ➢ Proposed methodology of solving identified problem ➢ In-case some prototype has to be fabricated then its tentative design and procedure for making it should be part of the proposal. ➢ Resources and consumables required. ➢ Action plan (sequential list of activities with probable dates of completion)	30

Text Books	
1	"Software engineering with uml" by Unhelkar, B., CRC Press.

Reference Books	
1	"Using UML: software engineering with objects and components" by Stevens, P. and Pooley, R., Addison-Wesley Longman Publishing Co., Inc.
2	"Concise Guide to Numerical Algorithmics: The Foundations and Spirit of Scientific Computing" by Nazareth, J.L, Springer International Publishing.

ICT/MOOCs Reference	
1	https://onlinecourses.swayam2.ac.in/ntr20_ed16/preview
2	https://onlinecourses.nptel.ac.in/noc20_cs84/preview

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
Mapping of CO with PO and PSO:														
CO1	2	1	0	0	1	0	0	0	0	1	0	1	0	0
CO2	1	3	1	2	1	0	0	0	0	2	1	3	1	1
CO3	0	2	2	2	2	0	0	0	1	1	3	3	2	3
CO4	0	3	1	3	1	0	0	0	0	0	2	2	1	2