

CAPSTONE PROJECT (AI and MLOps)

PROJECT PROPOSAL TEMPLATE

Please submit a Project Proposal (1 per team) for the AI and MLOps Program Capstone Project according to the template given below, by May 18, 2024, 11:59 pm IST.

Note: The Project Proposal will be evaluated for 25 points.

It should be prepared as a 3-5 pages document that includes:

1. Project Title
2. Brief problem statement
3. Background information: Include domain information, problem description and analysis, possible applications
4. Motivation for selection of the project
5. Detailed dataset description and dataset source
6. Current benchmark: provide references (if any)
7. Proposed Plan:
 - Define the methodology, including:
 - a. Approaches
 - b. Packages and tools
 - c. Algorithms
 - d. Metrics
 - Outline the stages with defined deliverables.
 - Develop a deployment plan, considering options like Gradio, Streamlit, FastAPI, Spaces etc.

- Implement MLOps tools for effective management and automation.
8. Preliminary Exploratory Data Analysis
 9. Expected outcomes
 10. Project demonstration strategy (tentative plans)
 11. Proposed timeline of project stage executions (eg. Gantt chart): Include weekly progress goals for each of the 4 Capstone Project Mentored Sessions.
 12. Team members' names
 13. Designated team coordinator's name(s)

Note:

- *The points break-up for the Capstone Projects evaluation is available in the **Capstone Project Guidelines** document that is available in the QuickLinks section of the AI and MLOps TalentSprint portal.*