

Initial Project Planning Template

Date	5 July 2025
Team ID	SWTID1749835773
Project Name	Applicant Credibility Prediction for Loan Approval
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Data Understanding and Cleaning	USN-1	As a team member, I want to load and understand the loan prediction dataset to identify missing or inconsistent values.	2	High	Elfa Monali	27 June 2025	30 June 2025
Sprint-2	Data Preprocessing	USN-2	As a team member, I want to preprocess the dataset (handle missing values, encoding, etc.) to make it suitable for ML models.	3	High	Gaurav Lodhi	27 June 2025	30 June 2025
Sprint-2	Exploratory Data Analysis (EDA)	USN-3	As an team member, I want to perform EDA to identify trends, correlations, and patterns in applicant data.	2	High	Gaurav Lodhi	27 June 2025	30 June 2025
Sprint-3	Model Building	USN-4	As a team member, I want to train ML models (e.g., logistic regression, random forest) to predict loan approval.	5	High	Shashwat Singh	28 June 2025	1 July 2025

Sprint-3	Model Evaluation	USN-5	As team member, I want to evaluate model performance using metrics like accuracy, precision, recall.	3	High	Shashwat Singh	28 June 2025	1 July 2025
Sprint-4	Bias Mitigation & Fairness Check	USN-6	As a responsible team member, I want to assess and reduce bias in predictions to ensure fairness across demographics.	3	High	Krishna Yaraswi	29 June 2025	2 July 2025
Sprint-4	Model Deployment (optional)	USN-7	As a team member, I want to deploy the model using a web interface or Flask API for real-time prediction.	4	High	Krishna Yaraswi	1 July 2025	3 July 2025
Sprint-4	Documentation and Reporting	USN-8	As a team member, I want to prepare final project documentation and presentation slides.	2	High	Krishna Yaraswi, Shashwat Singh, Gaurav Lodhi, Elfa Monali	3 July 2025	4 July 2025