

## Initial Project Planning Template

Date	15 June 2025
Team ID	178047
Project Name	Unemployed Insurance Beneficiary Forecasting
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 Collection & Cleaning	USN-1	As a data scientist, I can load and inspect the dataset, check for missing/duplicate values, and clean data.	2	High	Charan, Vinay	17/06/25	18/06/25
Sprint-1	Data Exploration & Analysis	USN-2	As a data scientist, I can perform univariate, bivariate, and multivariate analysis with visualizations.	2	High	Shaswat, Vinay	18/06/25	20/06/25
Sprint-2	Feature Engineering	USN-3	As a data scientist, I can create new features (e.g., differencing beneficiaries) for time series modeling.	2	Medium	Charan, Vinay	20/06/25	21/06/25
Sprint-2	Model Building & Evaluation	USN-4	As a data scientist, I can train ARIMA, SARIMA, AutoReg, VAR, and Prophet models and compare their metrics.	3	High	Aditya, Charan	22/06/25	23/06/25
Sprint-3	Application Deployment	USN-5	As a developer, I can build a Flask web app to allow users to input dates and view beneficiary forecasts.	3	High	Aditya	24/06/25	26/06/25