**Initial Project Planning Template**

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| Date | 15 June 2025 |
| Team | **AS PS VS VV** |
| 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)** |
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| 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 |