

**Initial Project Planning Template**



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| Date | 9 July 2024 |
| Team ID | 739652 |
| Project Name | Trip-Based Modelling of Fuel Consumption in Modern Fleet Vehicles Using Machine Learning |
| Maximum Marks | 4 Marks |

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

Use the below template to create a product backlog and sprint schedule

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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End**  **Date**  **(Planned)** |
| Sprint-1 | Define problem/proble m  understanding | USN-  9891501 | As a user, I want to define the specific problem statement and objectives for the fuel prediction project. | 2 | Medium | Ramya Sree,  Akhil,  Manikanta,  Kaushik | 20/06/2024 | 20/06/2024 |
| Sprint-2 | Data  Collection and  Preparation | USN-  9891509 | As a user, I want to gather and preprocess fuel-related parameter data from various sources for analysis. | 3 | High | Manikanta | 21/06/2024 | 24/06/2024 |
| Sprint-3 | Exploratory Data Analysis | USN-  9891516 | As a user, I want to analyze exploratory data to understand patterns and relationships in fuel attributes. | 2 | Medium | Ramya Sree  Akhil | 25/06/2024 | 27/06/2024 |
| Sprint-4 | Model Building | USN-  9891521 | As a user, I want to develop and train best model among few models to predict fuel consumption for a trip based on collected data. | 4 | High | Akhil | 28/06/2024 | 29/06/2024 |



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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End**  **Date**  **(Planned)** |
| Sprint-5 | Performance Testing | USN-  9891525 | As a user, I want to conduct performance testing to evaluate the accuracy and efficiency of the developed model. | 2 | Medium | Ramya Sree | 29/06/2024 | 30/06/2024 |
| Sprint-6 | Deployment | USN-  9891526 | As a user, I want to deploy the trained model onto a production server for real-time predictions. | 5 | High | Ramya Sree | 01/07/2024 | 07/07/2024 |
| Sprint-7 | Documentation | USN-  9891532 | As a user, I can contribute to and update the documentation to ensure it remains current and comprehensive for the application. | 3 | Medium | Ramya Sree,  Akhil,  Manikanta,  kaushik | 08/07/2024 | 10/07/2024 |