**Initial Project Planning Template**

|  |  |
| --- | --- |
| Date | JUNE 2024 |
| Team ID | 739708 |
| Project Name | EcoForecast: AI-powered prediction of carbon monoxide levels |
| Maximum Marks | 4 Marks |

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

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

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Initial Model Development | USN-1 | As a data engineer , I can collect data from various source(eg: Traffic information and Industrial emissions). | 2 | High | Pavan Kumar,  Varsha Priya | 26/06/2024 | 28/06/2024 |
| Sprint-1 | Model Training | USN-2 | As a data scientist, I can process the data, Handling missing value , and perform initial feature engineering. | 1 | High | Sukanya,  Awaiz | 29/06/2024 | 01/07/2024 |
| Sprint-1 | Model Evaluation and Deployment | USN-3 | To create and deploy an AI model that accurately predicts carbon monoxide levels base on various influencing factors such as weather conditions ,industrial activity. | 4 | High | Pavan Kumar,  Varsha Priya | 02/07/2024 | 02/07/2024 |
| Sprint-1 | Model Deployment | USN-4 | As a data scientist, I can evaluate the training AI model using a test dataset and measure performance metrics (eg: accuracy , precision and recall). | 3 | High | Pavan Kumar | 03/07/2024 | 03/07/2024 |
| Sprint-1 | Explanation | USN-5 | As a data scientist, I can monitor the performance of the AI model,in real time and track any changes in accuracy and also performance metrics. | 3 | Medium | Pavan Kumar, Varsha Priya, Sukanya, Awaiz | 15/07/2024 | 15/07/2024 |