**Initial Project Planning Template**

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| Date | 29 April 2024 |
| Team ID | 737820 |
| 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)** |
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| Sprint-1 | Data Collection & Preparation | USN-1 | Collect the dataset. | 3 | High | Pallavi | 2024-04-28 | 2024-04-28 |
| Sprint-1 | Data Preparation | USN-2 | Data Cleaning | 5 | High | Pallavi | 2024-04-28 | 2024-04-29 |
| Sprint-2 | Exploratory Data Analysis | USN-3 | Descriptive Statistical Analysis | 3 | Medium | Sai Akruthi | 2024-04-28 | 2024-04-29 |
| Sprint-2 | Exploratory Data Analysis | USN-4 | Visual Analysis | 3 | Medium | Sai Akruthi | 2024-04-28 | 2024-04-29 |
| Sprint-3 | Model Building | USN-5 | Training the model in multiple algorithms | 8 | High | Naveena Spoorthi | 2024-04-29 | 2024-04-29 |
| Sprint-3 | Model Building | USN-6 | Testing the model | 5 | High | Naveena Spoorthi | 2024-04-29 | 2024-04-30 |
| Sprint-4 | Performance Testing | USN-7 | Testing model with multiple evaluation metrics | 5 | Medium | Pallavi,  Naveena Spoorthi | 2024-04-30 | 2024-05-01 |
| Sprint-4 | Performance Testing | USN-8 | Comparing model accuracy before & after hyperparameter tuning | 3 | Medium | Sai Akruthi, Naveena Spoorthi | 2024-05-01 | 2024-05-02 |
| Sprint-5 | Model Deployment | USN-9 | Save the best model | 3 | High | Srivani | 2024-05-02 | 2024-05-04 |
| Sprint-5 | Model Deployment | USN-10 | Integrate with Web Framework | 5 | High | Srivani | 2024-05-04 | 2024-05-06 |
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