**Initial Project Planning Template**

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| --- | --- |
| Date | 10 June 2025 |
| Team ID | SWTID1749709340 |
| Project Name | Predicting Co2 Emission by countries Using Machine Learning |
| 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 | USN-1 | As a user, I can input a country and year on the website for prediction. | 2 | High | Dharun Karthick, Jeffry Robson,  Narmatha | Jun 10, 2025 | |  | | --- | | Jun 14, 2025 |  |  | | --- | |  | |
| Sprint-1 | |  | | --- | | Data  Processing |  |  | | --- | |  | | USN-2 | As a user, I can view clear error messages if invalid country/year is entered. | 2 | High | Sri Ragavendra,  Dharun Karthick, Jeffry Robson, | |  | | --- | | Jun 10, 2025 |  |  | | --- | |  | | |  | | --- | | Jun 14, 2025 |  |  | | --- | |  | |
| Sprint-2 | |  | | --- | | Machine  Learning  Model |  |  | | --- | |  | | USN-3 | As a user, I can get accurate CO₂ emission predictions for the given country and year | 2 | High | Sri Ragavendra,  Dharun Karthick, Jeffry Robson, | |  | | --- | | Jun 15, 2025 |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | |  | | --- | | Jun 25, 2025 |  |  | | --- | |  | |
| Sprint-2 | Visualization | USN-4 | As a user, I can view a clear graph of predicted emissions over years for the selected country. | 2 | Medium | Sri Ragavendra,  Narmatha | |  | | --- | | Jun 15, 2025 |  |  | | --- | |  | | |  | | --- | | Jun 25, 2025 |  |  | | --- | |  | |
| Sprint-3 | |  | | --- | | Deployment  & Testing |  |  | | --- | |  | | USN-5 | As a user, I can access the deployed website and test predictions easily from any device | 2 | High | Sri Ragavendra  Dharun Karthick, Jeffry Robson, | |  | | --- | | Jun 26, 2025 |  |  | | --- | |  | | Jul 4, 2025 |