**Initial Project Planning Template**

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| Date | 15 March 2024 |
| Team ID | SWTID1720109344 |
| Project Name | Rice Classification using CNN |
| 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 | Download the Dataset | 1 | High | Tanish Maheshwari | 10-7-24 | 10-7-24 |
| Sprint-1 | Data Collection | USN-2 | Load the Dataset | 1 | High | Tanish Maheshwari | 10-7-24 | 10-7-24 |
| Sprint-2 | Data Preprocessing | USN-3 | Import the required libraries | 1 | High | Tanish Maheshwari | 10-7-24 | 10-7-24 |
| Sprint-2 | Data Preprocessing | USN-4 | Import the dataset | 1 | Medium | Aryan Aggarwal | 10-7-24 | 10-7-24 |
| Sprint-2 | Data Preprocessing | USN-5 | Analyse the data | 1 | High | Aryan Aggarwal | 10-7-24 | 10-7-24 |
| Sprint-3 | Model Building | USN-8 | Design the architecture of the CNN model | 2 | High | Jaswanth M | 12-7-24 | 12-7-24 |
| Sprint-3 | Model Building | USN-9 | Train the CNN model on the training dataset | 2 | High | Jaswanth M | 12-7-24 | 12-7-24 |
| Sprint-4 | Model Evaluation | USN-10 | Evaluate the model's performance | 2 | High | Kathirgamam Venkatesan | 12-7-24 | 12-7-24 |
| Sprint-4 | Model Evaluation | USN-11 | Visualize the evaluation results | 1 | Medium | Kathirgamam Venkatesan | 12-7-24 | 12-7-24 |
| Sprint-5 | Prediction | USN-12 | Develop user interface for uploading and classifying new samples | 2 | High | Tanish Maheshwari | 16-7-24 | 16-7-24 |
| Sprint-5 | Prediction | USN-13 | Use the trained model to predict new samples | 3 | High | Jaswanth M | 16-7-24 | 16-7-24 |