**Initial Project Planning Template**

| Date | 5 July 2024 |
| --- | --- |
| Team ID | 740573 |
| Project Name | 3D Printer material prediction using machine learning |
| Maximum Marks | 4 Marks |

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

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
| Sprint-1 | Data Collection and Preprocessing | USN-2 | Understanding &loading data | Low | Habeeb pasha | 2024/06/14 | 2024/06/15 |
| Sprint-1 | Data Collection and Preprocessing | USN-3 | Data Cleaning | High | Rashmitha, Ragini | 2024/06/14 | 2024/06/15 |
| Sprint-1 | Data Collection and Preprocessing | USN-4 | EDA | Medium | saiteja | 2024/06/14 | 2024/06/15 |
| Sprint-2 | Exploratory data Analysis | USN-5 | Descriptive Statistics | Low | Rashmitha | 2024/06/15 | 2024/06/16 |
| Sprint-2 | Exploratory data Analysis | USN-7 | Visual Analysis | Medium | Ragini, Habeeb pasha | 2024/06/15 | 2024/06/16 |
| Sprint-2 | Exploratory data Analysis | USN-6 | Evaluating the model | High | saiteja | 2024/06/15 | 2024/06/16 |
| Sprint-3 | Model Building | USN-8 | Training the model in multiple algorithms | High | Rashmitha | 2024/06/18 | 2024/06/23 |
| Sprint-3 | Model Building | USN-9 | Testing the model | Medium | Ragini, saiteja | 2024/06/18 | 2024/06/23 |
| Sprint-3 | Performance testing & Hyper parameter tuning | USN-10 | Testing the model with multiple evaluation metrices | High | Habeeb pasha | 2024/06/20 | 2024/06/25 |
| Sprint-4 | Model development | USN-11 | Save the best Model | Medium | saiteja | 2024/06/20 | 2024/06/25 |
| Sprint-4 | Model development | USN-12 | Integrate with Web Framework &building HTML templates | Medium | Rashmitha | 2024/06/29 | 2024/07/05 |
| Sprint-4 | Model development | USN-13 | Flask importing and app.py | High | Akshaya | 2024/07/01 | 2024/07/05 |
| Sprint-3  Sprint-4 | Project Report | USN-15 | Report | medium | Rashmitha,  Ragini,  Saiteja,  Habeeb pasha | 2024/07/05 | 2024/07/10 |