**Initial Project Planning Template**

| Date | 05 July 2024 |
| --- | --- |
| Team ID | 739915 |
| Project Name | BlueBerry Yield Prediction |
| Maximum Marks | 4 Marks |

**Product Backlog, Sprint Schedule, and Estimation :**

| **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 | Madhavi | 2024/06/10 | 2024/06/15 |
| Sprint-1 | Data Collection and Preprocessing | USN-3 | Data Cleaning | High | Madhavi | 2024/06/10 | 2024/06/15 |
| Sprint-1 | Data Collection and Preprocessing | USN-4 | EDA | Medium | Madhavi | 2024/06/10 | 2024/06/15 |
| Sprint-2 | Exploratory data Analysis | USN-5 | Descriptive Statistics | Low | Amulya | 2024/06/15 | 2024/06/15 |
| Sprint-2 | Exploratory data Analysis | USN-7 | Visual Analysis | Medium | Sai Pravalika | 2024/06/16 | 2024/06/18 |
| Sprint-2 | Exploratory data Analysis | USN-6 | Evaluating the model | High | Amulya,  Sai Pravalika | 2024/06/18 | 2024/06/20 |
| Sprint-3 | Model Building | USN-8 | Training the model in multiple algorithms | High | Tejaswi,  saipravalika | 2024/06/21 | 2024/06/25 |
| Sprint-3 | Model Building | USN-9 | Testing the model | Medium | Tejaswi | 2024/06/26 | 2024/06/27 |
| Sprint-3 | Performance testing & Hyper parameter tuning | USN-10 | Testing the model with multiple evaluation metrices | High | Tejaswi | 2024/06/27 | 2024/06/29 |
| Sprint-4 | Model development | USN-11 | Save the best Model | Medium | Tejaswi,  Amulya | 2024/06/29 | 2024/06/30 |
| Sprint-4 | Model development | USN-12 | Integrate with Web Framework &building HTML templates | Medium | Tejaswi | 2024/07/01 | 2024/07/02 |
| Sprint-4 | Model development | USN-13 | Flask importing and app.py | High | Tejaswi | 2024/07/03 | 2024/07/04 |
| Sprint-3  Sprint-4 | Project Report | USN-15 | Report | medium | Tejaswi  Madhavi  Sai Pravlika  Amulya | 2024/07/06 | 2024/07/12 |