**Initial Project Planning Template**

| Date | 24 April 2024 |
| --- | --- |
| Team ID | team-739848 |
| Project Name | Identifying Airline Passenger Satisfaction 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** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Data Collection and Preprocessing | USN-2 | Understanding &loading data | Low | Vivek | 2024/05/05 | 2024/05/10 |
| Sprint-1 | Data Collection and Preprocessing | USN-3 | Data Cleaning | High | Vivek , Harshitha | 2024/05/05 | 2024/05/12 |
| Sprint-1 | Data Collection and Preprocessing | USN-4 | EDA | Medium | Vivek | 2024/05/05 | 2024/05/12 |
| Sprint-2 | Exploratory data Analysis | USN-5 | Descriptive Statistics | Low | Sathwika | 2024/05/12 | 2024/05/15 |
| Sprint-2 | Exploratory data Analysis | USN-7 | Visual Analysis | Medium | Sathwika | 2024/05/12 | 2024/05/15 |
| Sprint-2 | Exploratory data Analysis | USN-6 | Evaluating the model | High | Sathwika ,  Vivek | 2024/05/13 | 2024/05/19 |
| Sprint-3 | Model Building | USN-8 | Training the model in multiple algorithms | High | Harshitha,  Prathyusha | 2024/05/20 | 2024/06/05 |
| Sprint-3 | Model Building | USN-9 | Testing the model | Medium | Harshitha | 2024/06/10 | 2024/06/17 |
| Sprint-3 | Performance testing & Hyper parameter tuning | USN-10 | Testing the model with multiple evaluation metrices | High | Harshitha | 2024/06/18 | 2024/06/20 |
| Sprint-4 | Model development | USN-11 | Save the best Model | Medium | Prathyusha | 2024/06/22 | 2024/05/25 |
| Sprint-4 | Model development | USN-12 | Integrate with Web Framework &building HTML templates | Medium | Prathyusha | 2024/06/22 | 2024/06/27 |
| Sprint-4 | Model development | USN-13 | Flask importing and app.py | High | Prathyusha | 2024/06/28 | 2024/05/02 |
| Sprint-3  Sprint-4 | Project Report | USN-15 | Report | medium | Prathyusha,  Harshitha,  Sathwika,  Vivek | 2024/07/03 | 2024/07/09 |