**Project Planning Phase**

**Project Planning Template**

**(Product Backlog, Sprint Planning, Stories, Story points)**

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| --- | --- |
| **Date** | 21 October 2022 |
| **Team ID** | PNT2022TMID24557 |
| **Project Name** | Developing a Flight Delay Prediction Using Machine Learning |
| **Maximum Marks** | 8 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 -1 | REGISTRATION | USN-1 | As a user, I can register for the application by  entering my email, password, and confirming my password. | 2 | high | 3 |
| Sprint -1 |  | USN-2 | As a user, I will receive a confirmation email once  I have registered for the application | 1 | high | 1 |
| Sprint -2 |  | USN-3 | As a user, I can register for the application through Facebook | 2 | low | 1 |
| Sprint -1 |  | USN-4 | As a user, I can register for the application through google account | 2 | high | 1 |

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| --- | --- | --- | --- | --- | --- | --- |
| Sprint -1 | LOGIN | USN-5 | As a user, I can log into the application by entering email & password | 1 | high | 1 |
|  |  |  |  |  |  |  |
| Sprint-1 | DASHBOARD | USN-6 | As a customer I can check with all the Flight details available on the website and choose the correct prediction | 3 | high | 3 |
| Sprint-4 | Customer support | USN-7 | As a user I want to contact with the customer support when there is any query with the the application | 2 | low | 2 |
| Sprint-1 | User details display | USN-8 | As a customer I should be able to see all my given details filled with the registration process | 2 | high | 2 |
| Sprint-2 | algorithm | USN-9 | As a customer, I should be able to get the accurate prediction of the flight details available on the website | 5 | high | 4 |
| Sprint-2 |  | USN-10 | As a customer I should be updated with various best available. | 2 | medium | 2 |
| Sprint-3 | IBM watson for storage and organization | USN-11 | As a customer I should be able to give all the necessary details and predict the flight arrival and provide best user experience. | 3 | high | 2 |
| Sprint-4 | Flight management | USN-12 | As a customer I can manage the details of the flight arrival timings and schedule changes. | 5 | high | 4 |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End**  **Date)** | **Sprint Release Date (Actual)** |
| Sprint-1 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 |  |  |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 |  |  |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 |  |  |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 |  |  |