Project Planning Phase

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

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| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID43192 |
| Project Name | Project - Project - Machine Learning-Based Predictive Analytics for Aircraft Engine |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | 4 |
| Sprint-1 | Email confirmation | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | 4 |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | 4 |
| Sprint-1 | Gmail registration | USN-4 | As a user, I can register for the application through Gmail | 2 | High | 4 |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | 4 |
| Sprint-3 | Dashboard | USN-6 | As a user ,I can search my requirements | 1 | Medium | 4 |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |
| Sprint-5 | 20 | 6 Days | 21 Nov 2022 | 26 NOV 2022 | 20 | 26 NOV 2022 |
| Sprint-6 | 20 | 6 Days | 28 Nov 2022 | 03 Nov 2022 | 20 | 03 Nov 2022 |
| Sprint-7 | 20 | 6 Days | 04 Nov 2022 | 04 Nov 2022 | 20 | 04 Nov 2022 |
| Sprint-8 | 20 | 6 Days | 11 Nov 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)



Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress over time.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/> <https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

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