**Project Planning Phase**

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

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| --- | --- |
| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID29382 |
| Project Name | Smart SDLC-AI-Enhanced Software Development Life Cycle |
| Maximum Marks | 5 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 | 3 |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | 3 |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | 2 |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | 3 |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | 3 |
|  | Dashboard |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**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 | 19 May 2025 | 25 May 2025 | 20 | 26 May 2025 | | Sprint-2 | 20 | 6 Days | 27 May 2025 | 01 June 2025 | 20 | 02 June 2025 | | Sprint-3 | 20 | 6 Days | 03 June 2025 | 09 June 2025 | 20 | 10 June 2025 | | Sprint-4 | 20 | 6 Days | 11 June 2025 | 16 June 2025 | 20 | 17 June 2025 | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |

**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.

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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 | 10 Days | 19 May 2025 | 28 May 2025 | 20 | 29 May 2025 | | Sprint-2 | 20 | 10 Days | 30 May 2025 | 09 June 2025 | 20 | 10 June 2025 | | Sprint-3 | 20 | 10 Days | 11 June 2025 | 20 June 2025 | 20 | 21 June 2025 | | Sprint-4 | 20 | 10 Days | 22 June 2025 | 02 July 2025 | 20 | 0 June 2025 | |