**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID32102 |
| Project Name | SmartzSDLC – AI-Enhanced Software Development Lifecycle |
| Maximum Marks | 5 Marks |

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

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1(7 days) | Requirement  Classification | USN-1 | As a user, I can upload a PDF and get classified SDLC phases. | 3 | High |  |
| Sprint-1 | Code Summarizer | USN-2 | As a user, I can paste code and get a summarized explanation. | 2 | Medium |  |
| Sprint-1 | AI Code Generator | USN-3 | As a user, I can input a prompt or story and generate code. | 3 | High |  |
| Sprint-2(7 days) | Bug Fixer | USN-4 | As a user, I can input buggy code and get the fixed version. | 3 | Medium |  |
| Sprint-2 | Test Case Generator | USN-5 | As a user, I can generate test cases from code or story. | 3 | High |  |
| Sprint-2 | Chatbot Assistant | USN-6 | As a user, I can chat with an AI to get SDLC-related help. | 3 | Medium |  |
| Sprint-2 | |  | | --- | |  |  |  | | --- | | UI Deployment | | USN-7 | As a developer, I can deploy the interface using Gradio. | 2 | Low |  |

**Project Tracker, Velocity & Burndown Chart:**

| **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 | 8 | 7 Days | 09 June 2025 | 15 June 2025 | 8 | 15 June 2025 |
| Sprint-2 | 11 | 7 Days | 18 June 2025 | 24 June 2025 | 11 | 24 June 2025 |

**Velocity:**

Velocity = Total Story Points / No. of Sprints

| **Metric** | **Value** |
| --- | --- |
| Total Story Points | 19 |
| Number of Sprints | 2 |
| **Team Velocity** | **9.5 story points per sprint** |