

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

|               |  |
|---------------|--|
| Date          | 2 February 2026                        |
| Team ID       | LTVIP2026TMIDS50288                    |
| Project Name  | Gemini Historical Artifact Description |
| Maximum Marks | 5 Marks                                |

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

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 | User Input                    | USN-1             | As a user, I can enter the artifact name or historical prompt so that the AI can generate a description.            | 1            | High     | Vardhan      |
| Sprint-1 | Image Upload                  | USN-1             | As a user, I can upload an image of a historical artifact so that the system can analyze it.                        | 2            | High     | Vardhan      |
| Sprint-2 | AI Description Generation     | USN-1             | As a user, I can generate a detailed artifact description using Generative AI so that I can understand its History. | 3            | High     | Vardhan      |

| Sprint-2 | Output Display                | USN-1             | As a user, I can view the generated description on the screen so that I can read and use the information. | 1            | Medium   | Vardhan      |
|----------|-------------------------------|-------------------|---|--------------|----------|--------------|
| Sprint   | Functional Requirement (Epic) | User Story Number | User Story / Task   | Story Points | Priority | Team Members |
| Sprint-2 | Error Handling                | USN-1             | As a user, I receive an error message when input is missing so that i can correct it.                     | 2            | Medium   | Vardhan      |
| Sprint-3 | Documentation                 | USN-1             | Prepare project documentation and final report.   | 2            | High     | Vardhan      |

#### 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 | 3                  | 6 Days   | 02 Feb 2026       | 07 Feb 2026               | 3   | 07 Feb 2026                  |
| Sprint-2 | 6                  | 6 Days   | 09 Feb 2026       | 14 Feb 2026               | 6   | 14 Feb 2026                  |
| Sprint-3 | 2                  | 4 Days   | 16 Feb 2026       | 19 Feb 2026               | 2   | 19 Feb 2026                  |

**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)

$$\mathbf{AV = \text{sprint duration} / \text{velocity} = 11/16 = 0.69}$$