Project Planning Phase

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

Date	18 February 2026
Team ID	LTVIP2026TMIDS24197
Project Name	Civil Engineering Insight Studio
Maximum Marks	5 Marks

Product Backlog & Sprint Schedule (4 Marks)

Sprint	Functional Requirement (Epic)	User Story No	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register using email & password	2	High	Member A
Sprint-1	Registration	USN-2	As a user, I receive confirmation email after registration	1	High	Member B
Sprint-1	Registration	USN-4	As a user, I can register using Gmail	2	Medium	Member A
Sprint-1	Login	USN-5	As a user, I can login using email & password	1	High	Member C
Sprint-1	Dashboard	USN-6	As a user, I can view dashboard after login	3	High	Member B
Sprint-2	Complaint Management	USN-7	As a customer, I can submit a complaint	5	High	Member A
Sprint-2	Complaint Management	USN-8	As an agent, I can view assigned complaints	3	High	Member C
Sprint-2	Complaint Management	USN-9	As an agent, I can update complaint status	3	High	Member B
Sprint-3	Admin Management	USN-10	As an admin, I can add agents	3	High	Member A
Sprint-3	Admin Management	USN-11	As an admin, I can assign customers to agents	4	High	Member B
Sprint-3	Admin Management	USN-12	As an admin, I can view user list	2	Medium	Member C
Sprint-4	Reporting & Security	USN-13	As an admin, I can view system reports	4	Medium	Member A
Sprint-4	Security	USN-14	As a system, passwords are securely stored	3	High	Member B
Sprint-4	UI Enhancement	USN-15	As a user, I see responsive UI design	3	Medium	Member C

Sprint Tracker Table (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	20	6 Days	15 Feb 2025	20 Feb 2025	20	20 Feb 2025
Sprint-2	20	6 Days	22 Feb 2025	27 Feb 2025	18	28 Feb 2025
Sprint-3	20	6 Days	01 Mar 2025	06 Mar 2025	20	06 Mar 2025
Sprint-4	20	6 Days	08 Mar 2025	13 Mar 2025	19	14 Mar 2025

Velocity Calculation

Given:

- Sprint Duration = 10 Days
- Team Velocity = 20 Story Points per Sprint

Average Velocity (AV)

$$AV = \text{Total Story Points} / \text{Sprint Duration}$$

$$AV = 20/10 = 2 \text{ story points per day}$$

Average Velocity = 2 story points per day

Burndown Chart Explanation

A Burndown Chart shows:

- X-Axis → Time (Days)
- Y-Axis → Remaining Story Points

Example for Sprint-1 (20 Story Points)

Day	Remaining Points
Day 1	20
Day 2	18
Day 3	15
Day 4	10
Day 5	5
Day 6	0