Project Planning Phase

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

Date	27 June 2025
Team ID	LTVIP2025TMID59196
Project Name	HealthAI: Intelligent Healthcare Assistant
Maximum Marks	5 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As a user, I can input symptoms using text or voice	2	High	Siva Ganga, Yogesh
Sprint-1	Data Loading	USN-2	As a user, my input is mapped to the dataset and stored	1	Medium	Yogesh, Siva Ganga

			for processing			
Sprint-1	Preprocessing	USN-3	The system handles missing and categorical values in health data	3	High	Siva Ganga, Praveen Kumar Reddy
Sprint-2	Model Building	USN-4	The system predicts possible diseases based on symptoms entered by user	5	High	Siva Ganga, Yogesh
Sprint-2	Testing	USN-5	The model is tested using real sample queries	3	Medium	Yogesh, Praveen Kumar Reddy
Sprint-2	UI Development	USN-6	Design HTML UI for user interaction	3	High	Siva Ganga,
Sprint-2	Deployment	USN-7	Deploy system using Flask &	5	High	Siva Ganga, Yogesh, Praveen

			connect backend and frontend			Kumar Reddy

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 June 2025	29 June 2025	20	29 June 2025
Sprint-2	20	6 Days	31 June 2025	05 June 2025	20	05June 2025
Sprint-3	20	6 Days	07 July 2025	12 July 2025	20	12 July 2025
Sprint-4	20	6 Days	14 July 2025	19 July 2025	20	19 July 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Velocity Calculation:

Total Story Points = 20 (Sprint-1) + 20(Sprint-2) = 40 SP

Number of Sprints = 2

Velocity = 40/ 2 = 20 SP per Sprint

Average Velocity (AV):

Let's say 1 sprint = 5 days

AV = sprint duration / velocity = 5 / 20 ≈ 0.25 story points/day

Burndown Chart Data (Example):

Day	Planned SP Left	Actual SP Left
Day 1	24	24
Day 2	20	20
Day 3	16	16
Day 4	12	12
Day 5	8	8
Day 6	4	4
Day 7	0	0