

## Project Planning Phase

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

Date	15 February 2025
Team ID	LTVIP2025TMID49371
Project Name	Comprehensive Analysis & Dietary Strategies
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 student, I want to register using my student ID for quick onboarding	2	High	
Sprint-1	Registration	USN-2	As a user, I want an OTP verification step for added security	1	High	
Sprint-2	Registration	USN-3	As a user, I want to set dietary preferences (Veg/Non-Veg) during registration	2	Medium	
Sprint-1	Registration	USN-4	As a user, I want to view terms and privacy policy before submitting registration	1	LOW	
Sprint-1	Login	USN-5	As a user, I want to stay logged in for 7 days so I don't have to re-enter info	1	High	
Sprint-2	Dashboard	USN-6	As a user, I want to see my calorie intake trend over the past week	3	High	
Sprint-2	Dashboard	USN-7	As a user, I want to see my hydration levels if I track water consumption	2	Medium	
Sprint-3	Dashboard	USN-8	As a user, I want to compare my diet with recommended guidelines	3	Medium	

**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 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	18	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	17	13 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	19	20 Nov 2022

**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)

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

$$AV=6/20$$

$$=3.33 \text{ story points/day}$$

