

## Project Planning Phase

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

Date	15 February 2025
Team ID	LTVIP2025TMID47655
Project Name	A College Food Choices Case Study
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	Data Collection & Cleaning	USN-1	As an analyst, I want to collect and clean food choice data from college surveys for Tableau analysis	2	High	You + Teammates
Sprint-1	Basic Dietary Visuals	USN-2	As a user, I want to create bar and pie charts showing eating habits and food preferences	3	High	You
Sprint-1	Filter Implementation	USN-3	As a user, I want to filter results by age, gender, frequency of eating out, and meal types	2	Medium	You
Sprint-2	Nutritional & Behavioral Analysis	USN-4	As a user, I want to use heatmaps and funnel charts to explore calorie intake and behavior patterns	4	High	You + Peer
Sprint-2	Health Trend Charts	USN-5	As a user, I want to analyze food choices over time using area and stacked bar charts	3	Medium	You
Sprint-3	Storytelling with Tableau	USN-6	As a presenter, I want to build a Tableau Story to narrate college dietary habits and suggestions	2	Medium	You
Sprint-3	Export & Presentation	USN-7	As a user, I want to export visuals and deliver a stakeholder-ready dashboard and report	2	High	You

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed	Sprint Release Date
Sprint-1	7	6 Days	01 Feb 2025	06 Feb 2025	7	06 Feb 2025
Sprint-2	7	6 Days	07 Feb 2025	12 Feb 2025	7	12 Feb 2025
Sprint-3	4	6 Days	13 Feb 2025	18 Feb 2025	4	18 Feb 2025

**Velocity Calculation:**

Total Story Points = 18  
Total Duration = 18 days

Average Velocity =  $18 / 3 = 6$  story points per sprint

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◆ **Burndown Chart Description**

A burndown chart for this project will show the downward trend of remaining story points across the three sprints. It visualizes:

- X-axis: Sprint Days (18 days total)
- Y-axis: Remaining story points (starting from 18 down to 0)
- Goal: Steady reduction of points after each sprint, showing healthy project pace and completion.