

Project Planning Phase

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

Date	26 june 2025
Team ID	LTVIP2025TMID49207
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis
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	USN-1	As a data analyst, I can collect raw data from reliable sources.	2	High	Team Member A
Sprint-1	Data Collection	USN-2	As a data analyst, I can load the collected data into the system for preprocessing.	1	High	Team Member B
Sprint-1	Data Preprocessing	USN-3	As a data analyst, I can handle missing values in the dataset.	3	Medium	Team Member C
Sprint-1	Data Preprocessing	USN-4	As a data analyst, I can handle categorical values in the dataset.	2	Medium	Team Member D
Sprint-2	Model Building	USN-5	As a developer, I can build a predictive model for economic freedom analysis.	5	High	Team Member A
Sprint-2	Model Building	USN-6	As a developer, I can test the model for accuracy and performance.	3	High	Team Member B
Sprint-2	Deployment	USN-7	As a developer, I can create working HTML pages for the application.	3	Medium	Team Member C
Sprint-2	Deployment	USN-8	As a developer, I can deploy the application using Flask.	5	Medium	Team Member D

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 2025	28 Oct 2025	20	28 Oct 2025
Sprint-2	20	6 Days	31 Oct 2025	04 Nov 2025	20	04 Nov 2025
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 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)

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