Project Planning Phase

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

Date	20 June 2025
Team ID	LTVIP2025TMID49412
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom
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 and Preparation	USN-1	As a data analyst, I want to collect country-wise economic indicators dataset.	3	High	Satish
Sprint-1	Data Collection and Preparation	USN-2	As a team, we will clean, preprocess and organize the data for analysis.	3	High	Mounika
Sprint-2	Index Design	USN-3	As a statistician, I will create a composite index to measure economic freedom.	4	High	Satish
Sprint-2	Index Design	USN-4	As a researcher, I will define sub-indices (e.g., business, trade, labour freedom).	3	Medium	Mounika
Sprint-3	Visualization	USN-5	As a Tableau developer, I will visualize the index using maps and charts.	4	High	Satish
Sprint-3	Visualization	USN-6	As a developer, I will create interactive dashboards for user engagement.	3	Medium	Mounika

Sprint-4	Final Report and Analysis	USN-7	As a writer, I will compile insights and interpretations into a final report.	2	High	Satish
Sprint-4	Final Report and Analysis	USN-8	As a presenter, I will prepare a presentation for project submission.	1	Medium	Mounika

Project Tracker, Velocity & Burndown Chart: (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	4 June 2025	10 June 2025	20	4 June 2025
Sprint-2	20	6 Days	11 June 2025	17 June 2025	20	11 June 2025
Sprint-3	20	6 Days	18 June 2025	24 June 2025	20	18 June 2025
Sprint-4	20	6 Days	24 June 2025	30 June 2025	20	24 June 2025
					2	

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)

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

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts