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

Date	2 July 2025
Team ID	LTVIP2025TMID51597
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)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Assigned To
Sprint-1	Data Preparation	USN-1	Upload Economic Freedom dataset in CSV format	3	High	TL
Sprint-1	Data Cleaning	USN-2	Handle missing values and standardize country codes	4	High	M2
Sprint-1	Data Validation	USN-3	Verify data consistency and column mapping	5	High	M3
Sprint-2	Dashboard Development	USN-4	Build Tableau visuals for the 4 pillars of economic freedom	5	High	M2
Sprint-2	Filter Integration	USN-5	Apply country, year, and pillar filters in dashboard	4	Medium	M3
Sprint-2	Dashboard Publishing	USN-6	Publish the interactive dashboard to Tableau Public	3	High	TL
Sprint-3	Performance Testing	USN-7	Test dashboard responsiveness and filter performance	4	Medium	TL

Sprint-3	Screenshot & Documentation	USN-8	Capture dashboard screenshots and summarize insights	4	Medium	M2
Sprint-3	Folder Structure Setup	USN-9	Organize files and upload to required folder structure	4	High	M3
Sprint-4	Final Review	USN-10	Validate dashboard, data, and reports before submission	6	High	All 3
Sprint-4	Video Demo	USN-11	Record project walkthrough demo and upload	6	High	TL + M3

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

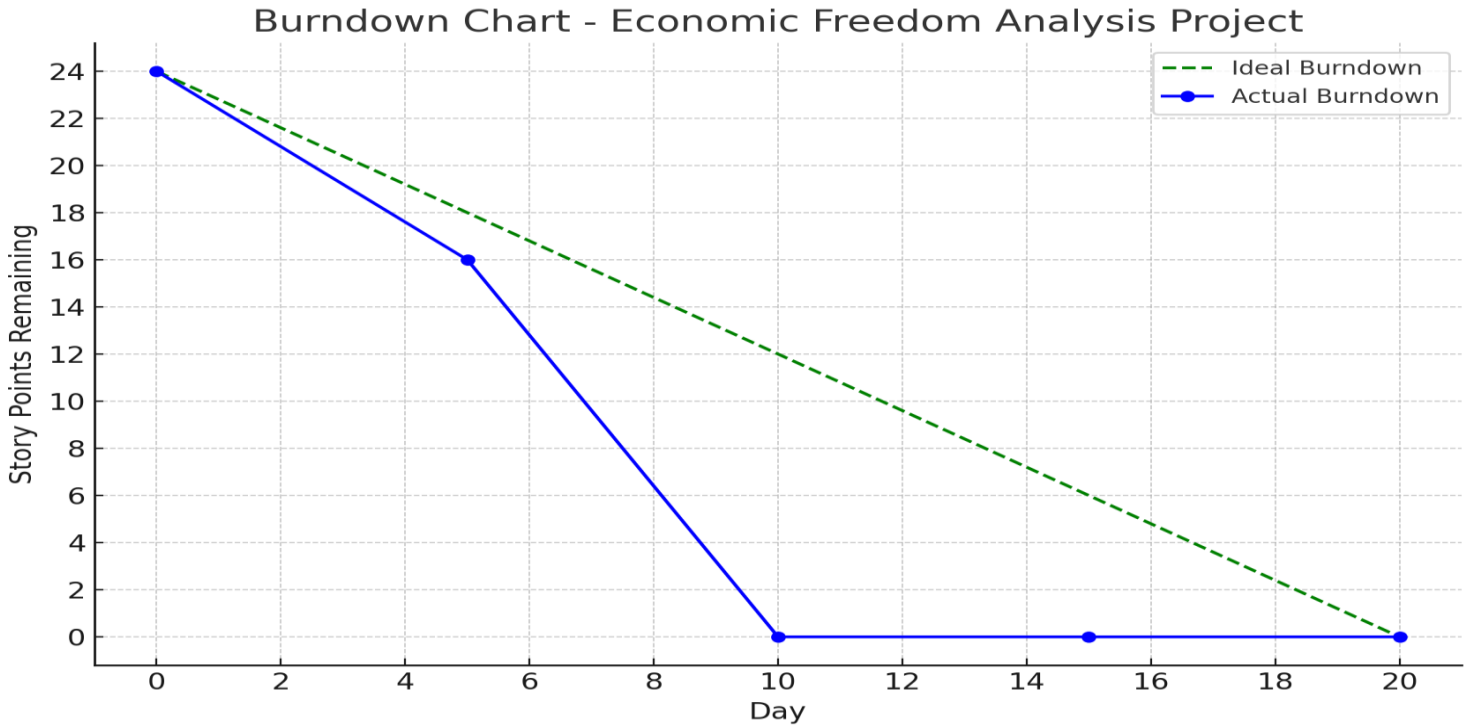
Sprint	Total Story Points	Duration	Start Date	End Date	Story Points Completed	Sprint Release Date
Sprint-1	8 SP	5 Days	20 June 2025	24 June 2025	8 SP	24 June 2025
Sprint-2	16 SP	5 Days	25 June 2025	29 June 2025	16 SP	29 June 2025
Sprint-3	12 SP	5 Days	30 June 2025	4 July 2025	-	-
Sprint-4	12 SP	5 Days	5 July 2025	9 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)

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

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
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