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

Date	28 June 2025
Team ID	LTVIP2025TMID20822
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	
	Dashboard					
Sprint-1	Data Filtration and Exploration	USN-6	As a user, I want to filter countries by region so I can analyze data regionally.	3	High	Akhila,Asha ,Lokesh,Ganapathi
Sprint-1	Country Comparison	USN-7	As a user, I want to compare two countries side-by-side using all indicators.	2	High	Akhila,Asha, Lokesh,Ganapathi
Sprint-1	Dashboard Layout and Pillar Grouping	USN-8	As a user, I want to see indicators grouped under 4 pillars with intuitive layout.	2	Medium	Akhila,Asha ,Lokesh,Ganapathi
Sprint-2	Tooltip Descriptions for Indicators	USN-9	As a user, I want tooltips to explain economic terms in a simple way.	1	Medium	Akhila,Asha, Lokesh,Ganapathi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Shareable Dashboard Link	USN-10	As a user, I want to share the dashboard link easily with peers.	1	Medium	Akhila,Asha, Lokesh,Ganapathi
Sprint-2	Visual Consistency and Color Coding	USN-11	As a user, I want to see color-coded charts for better understanding of indicators.	2	Medium	Akhila,Asha, Lokesh,Ganapathi
Sprint-3	Dashboard Storyline	USN-12	Build a Tableau Story connecting dashboards	3	Medium	Akhila,Asha, Lokesh,Ganapathi
Sprint-3	Performance Testing	USN-13	Test dashboard responsiveness & interaction speed	2	Medium	Akhila,Asha, Lokesh,Ganapathi
Sprint-3	Final Dashboard Polish	USN-14	Adjust spacing, labels, alignments	2	Medium	Akhila,Asha, Lokesh,Ganapathi
Sprint-4	Documentation Upload	USN-15	Upload final documentation and project report	2	High	Akhila,Asha, Lokesh,Ganapathi
Sprint-4	Mural Board Completion	USN-16	Complete empathy maps, solution fit, and idea board	2	High	Akhila,Asha, Lokesh,Ganapathi
Sprint-4	Final Submission Prep	USN-17	Review all files, fix missing links, and finalize submission	2	High	Akhila,Asha, Lokesh,Ganapathi

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	2 Days	20 June2025	22 June 2025	20	22 June 2025
Sprint-2	20	3 Days	23 June 2025	26 June 2025	20	26 June 2025
Sprint-3	20	3 Days	27 June 2025	30 June 2025	20	30 June 2025
Sprint-4	20	1 Day	1 July 2025	1 July 2025	20	1 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 burndown 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

Ideal Remaining Points vs Day

Day