

Project Planning Phase

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

Date	28 June 2025
Team ID	ITVIP2025TMID48448
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis
Maximum Marks	5 Marks

Customized Product Backlog and Sprint Schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection & Preparation	USN-1	As a data analyst, I can collect and clean the Index of Economic Freedom dataset for multiple countries and years.	3	High	Balakrishna Chamundeswari
Sprint-1		USN-1	As a data analyst, I can standardize and format the dataset for	2	High	Balakrishna Chamundeswari

			Tableau integration.			
Sprint-2	Dashboard Design	USN-2	As a user, I can see a dynamic dashboard showing the overall Economic Freedom Index by country and year.	3	High	Jambugolam Charan
Sprint-2		USN-2	As a user, I can filter the dashboard by region, income level, and individual freedom sub-categories.	2	Medium	Jambugolam Charan
Sprint-3	Advanced Analytics & Insights	USN-3	As a user, I can see a correlation analysis between economic freedom and GDP growth, using Tableau visualizations.	3	Medium	Azar Shaik
Sprint-3		USN-3	As a user, I can view key trends and insights with	2	Medium	Azar Shaik

			summary cards (top countries, biggest gains/losses, etc.).			
Sprint-4	Storytelling & Publishing	USN-4	As a presenter, I can compile interactive story dashboards in Tableau for presentation and export them to PDF.	3	High	Mane Chetan
Sprint-4		USN-4	As a user, I can view country- specific profiles with time series and radar charts comparing economic sub- indices.	3	Medium	Mane Chetan

Project Tracker and Velocity

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	5	5 Days	01 July 2025	05 July 2025	5	05 July 2025

Sprint-2	5	5 Days	06 July 2025	10 July 2025	5	10 July 2025
Sprint-3	5	5 Days	11 July 2025	15 July 2025	5	20 July 2025
Sprint-4	6	5 Days	16 July 2025	20 July 2025	5	25 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)

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

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>