Project Planning Phase

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

Date	28 June 2025
Team ID	LTVIP2025TMII61416
Project Name	Measuring the pulse of Prosperity: An index of Economic Freedom Analysis
Maximum 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 Preparation	USN-1	As a user, I want to collect and clean the Index of Economic Freedom dataset for analysis	8	High	M. Kaveri
Sprint-1	Data Integration	USN-2	As a user, I want to import the dataset into MySQL and structure it for Tableau connectivity	6	High	K. Harini
Sprint-2	Dashboard Creation	USN-3	As a user, I want to connect Tableau to the MySQL database and design visualizations by country and pillar	5	High	T. John
Sprint-2	Interactive Filtering	USN-4	As a user, I want to filter data by region, pillar, and income group	5	Medium	G. Sanjana
Sprint-3	Story Building	USN-5	As a user, I want to create a Tableau Story to walk through insights and trends	5	Medium	K. Kaveri
Sprint-3	Final Report & Documentation	USN-6	As a user, I want to generate a final project report with screenshots and analysis summar	4	High	K. Harini

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	01 Jun 2025	06 Jun 2025	20	06 Jun 2025
Sprint-1	20	6 Days	07 Jun 2025	12 Jun 2025	20	12 Jun 2025
Sprint-2	20	6 Days	13 Jun 2025	18 JUN 2025	20	18 JUN 2025
Sprint-2	20	6 Days	19 Jun 2025	24 Jun 2025	20	24 Jun 2025
Sprint-3	20	6 Days	25 Jun 2025	01 Jul 2025	20	01 Jul 2025
Sprint-3	20	2Days	02 Jul 2025	03 Jul 2025	20	03 Jul 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)

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

- **Team Velocity = 20 story points per sprint**
- **Sprint Duration = 6 days**

- **Velocity per day (AV) = 20 / 6 = 3.33 story points/day**

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