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

Date	22/06/25
Team ID	LTVIP2025TMID49653
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	Epic	User Story No.	User Story / Task	Points	Priority	Assigned To
Sprint-1	Data Collection	USN-1	As a user, I can upload and import Economic Freedom index data (CSV/Excel)	3	High	Velugula Durgaprasad
Sprint-1	Data Cleaning	USN-2	As a developer, I can clean and preprocess the dataset for missing/outlier values	4	High	Velugula Durgaprasad
Sprint-1	Field Engineering	USN-3	As a user, I can compute calculated metrics like average index or regional scores	2	Medium	Velugula Durgaprasad
Sprint-1	Categorization	USN-4	As a user, I can bin countries based on freedom score ranges (High, Medium, Low)	2	Medium	Velugula Durgaprasad
Sprint-2	Data Visualization	USN-5	As a user, I can create charts to compare countries/regions over years	5	High	Velugula Durgaprasad
Sprint-2	Dashboard Development	USN-6	As a user, I can build an interactive Tableau dashboard with filters	3	High	Velugula Durgaprasad
Sprint-2	Dashboard Styling	USN-7	As a user, I can style the dashboard for thematic consistency and clarity	2	Medium	Velugula Durgaprasad

Sprint	Epic	User Story No.	User Story / Task	Points	Priority	Assigned To
Sprint-3	Storytelling & Insights	USN-8	As a user, I can create a Tableau Story that presents insights and key takeaways	2	Medium	Velugula Durgaprasad
Sprint-3	Web App Integration	USN-9	As a developer, I can embed the Tableau dashboard into a Flask web app	4	High	Velugula Durgaprasad
Sprint-3	Review & UI Testing	USN-10	As a user, I can test and review the web app for responsiveness and clarity	2	Medium	Velugula Durgaprasad
Sprint-4	Final Documentation	USN-11	As a team, we can prepare project report with objectives, methods, and findings	3	High	Velugula Durgaprasad
Sprint-4	Demo Walkthrough	USN-12	As a team, we can rehearse and deliver the final demo presentation	2	Medium	Velugula Durgaprasad
Sprint-4	QA & Bug Fixes	USN-13	As a team, we can validate and fix any errors in data, logic, or presentation	2	Medium	Velugula Durgaprasad

Project Tracker, Velocity & Burndown Chart (4 Marks)

◇ Sprint Tracker Table

Sprint	Total Story Points	Duration	Start Date	End Date	Points Completed	Release Date
Sprint-1	11	4 Days	11 June 2025	14 June 2025	11	14 June 2025
Sprint-2	10	4 Days	15 June 2025	18 June 2025	10	18 June 2025
Sprint-3	8	4 Days	19 June 2025	22 June 2025	8	22 June 2025
Sprint-4	7	4 Days	23 June 2025	26 June 2025	7	26 June 2025

Velocity Calculation

- Total Points Across Sprints = 36
- Total Duration = 16 Days
- Velocity (Avg. per Sprint) = 36 / 4 = 9 points/sprint

- Average Velocity per Day = 36 / 16 = 2.25 story points/day

Burndown Chart (Sample Data)

Date	Story Points Remaining
11 June 2025	36
12 June 2025	28
13 June 2025	20
14 June 2025	25
15 June 2025	19
16 June 2025	14
17 June 2025	9
18 June 2025	8
19 June 2025	6
20 June 2025	5
21 June 2025	3
22 June 2025	0

Combined Burndown Chart for All Sprints