**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 20 June 2025 |
| Team ID | LTVIP2025TMID49412 |
| Project Name | Measuring the Pulse of Prosperity: An Index of Economic Freedom |
| 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 | Data Collection and Preparation | USN-1 | As a data analyst, I want to collect country-wise economic indicators dataset. | 3 | High | Satish |
| Sprint-1 | Data Collection and Preparation | USN-2 | As a team, we will clean, preprocess and organize the data for analysis. | 3 | High | Mounika |
| Sprint-2 | Index Design | USN-3 | As a statistician, I will create a composite index to measure economic freedom. | 4 | High | Satish |
| Sprint-2 | Index Design | USN-4 | As a researcher, I will define sub-indices (e.g., business, trade, labour freedom). | 3 | Medium | Mounika |
| Sprint-3 | Visualization | USN-5 | As a Tableau developer, I will visualize the index using maps and charts. | 4 | High | Satish |
| Sprint-3 | Visualization | USN-6 | As a developer, I will create interactive dashboards for user engagement. | 3 | Medium | Mounika |
| Sprint-4 | Final Report and Analysis | USN-7 | As a writer, I will compile insights and interpretations into a final report. | 2 | High | Satish |
| Sprint-4 | Final Report and Analysis | USN-8 | As a presenter, I will prepare a presentation for project submission. | 1 | Medium | Mounika |

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | Total Story Points | |  | | --- | |  |  |  | | --- | | **Duration** | | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed | Sprint Release Date (Actual) |
| Sprint-1 | 20 | 6 Days | 4 June 2025 | 10 June 2025 | 20 | 4 June 2025 |
| Sprint-2 | 20 | 6 Days | 11 June 2025 | 17 June 2025 | 20 | 11 June 2025 |
| Sprint-3 | 20 | 6 Days | 18 June 2025 | 24 June 2025 | 20 | 18 June 2025 |
| Sprint-4 | 20 | 6 Days | 24 June 2025 | 30 June 2025 | 20 | 24 June 2025 |
|  |  |  |  |  | 2 |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**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)



**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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). 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.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](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/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics)

[**https://www.atlassian.com/agile/tutorials/sprints**](https://www.atlassian.com/agile/tutorials/sprints)

[**https://www.atlassian.com/agile/project-management/estimation**](https://www.atlassian.com/agile/project-management/estimation)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)