

## Project Planning Phase

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

|               |  |
|---------------|--|
| Date          | 24 June 2025   |
| Team ID       | LTVIP2025TMID47620   |
| 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   | Functional Requirement (Epic) | User Story Number | User Story / Task   | Story Points | Priority | Team Members            |
|----------|-------------------------------|-------------------|---|--------------|----------|-------------------------|
| Sprint-1 | Data Collection               | USN-1             | Downloading The Dataset   | 1            | High     | Shaik Gouse Basha       |
| Sprint-1 | Working With Dataset          | USN-2             | Understand The Data   | 3            | High     | Shaik Gouse Basha       |
| Sprint-1 |                               | USN-3             | Import Dataset into Database and connect Tableau Desktop to Database server | 2            | Low      | Shaik Allahbakshu       |
| Sprint-2 | Data Visualization            | USN-4             | 2022 Economic freedom score   | 2            | High     | Shaik Salam Nagur Basha |
| Sprint-2 |                               | USN-5             | Top 40 ranking countries in the index                                       | 2            | High     | Somana Praveen Kumar    |
| Sprint-2 |                               | USN-6             | Bottom ranking countries in the index                                       | 2            | Medium   | Tumati Madhan Gopal     |
| Sprint-2 |                               | USN-7             | Index score based on unemployment rate                                      | 3            | High     | Tumati Madhan Gopal     |
| Sprint-2 |                               | USN-8             | Index score based on financial freedom                                      | 3            | High     | Shaik Gouse Basha       |
| Sprint-2 |                               | USN-9             | Index score based on population   | 2            | High     | Shaik Salam Nagur Basha |
| Sprint-2 |                               | USN-10            | Index score based on 5 year on GDP growth rate(%)                           | 2            | High     | Shaik Allahbakshu       |

| Sprint   | Functional Requirement (Epic)  | User Story Number | User Story / Task                                  | Story Points | Priority | Team Members            |
|----------|--------------------------------|-------------------|--|--------------|----------|-------------------------|
| Sprint-2 |                                | USN-11            | Inflation rate in different countries              | 2            | Medium   | Somana Praveen Kumar    |
| Sprint-2 |                                | USN-12            | Correlation between inflation and unemployment     | 2            | High     | Somana Praveen Kumar    |
| Sprint-2 |                                | USN-13            | Top 40 countries by GDP growth rate                | 3            | High     | Shaik Salam Nagur Basha |
| Sprint-2 |                                | USN-14            | Correlation between GDP(PPP) and monetary freedom  | 2            | High     | Shaik Allahbakshu       |
| Sprint-3 | Dashboard                      | USN-15            | Creating The Dashboard                             | 3            | High     | Shaik Gouse Basha       |
| Sprint-3 | Story                          | USN-16            | Creating The Story Board                           | 3            | High     | Shaik Allahbakshu       |
| Sprint-4 | Publishing and Web Integration | USN-17            | Publishing dashboard and reports to tableau public | 2            | High     | Somana Praveen Kumar    |
| Sprint-4 |                                | USN-18            | Integrating with Web with Embed code               | 5            | Low      | Shaik Gouse Basha       |

#### 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 | 6                  | 2 Days   | 18 Jun 2025       | 19 Jun 2025               | 6   | 19 Jun 2025                  |
| Sprint-2 | 21                 | 4 Days   | 20 Jun 2025       | 23 Jun 2025               | 21  | 23 Jun 2025                  |
| Sprint-3 | 6                  | 2 Days   | 23 Jun 2025       | 24 Jun 2025               | 6   | 24 Jun 2025                  |
| Sprint-4 | 7                  | 2 Days   | 24 Jun 2025       | 25 Jun 2025               | 7   | 25 Jun 2025                  |
|          |                    |          |                   |                           |   |                              |

**Velocity:**

**Velocity Table:**

| <b>Sprint</b> | <b>Total Story Points</b> | <b>Duration (days)</b> | <b>Velocity (AV)</b>       |
|---------------|---------------------------|------------------------|----------------------------|
| Sprint-1      | $1 + 3 + 2 = 6$           | 2 days                 | $6 \div 2 = 3.0$ pts/day   |
| Sprint-2      | 21                        | 4 days                 | $21 \div 4 = 5.25$ pts/day |
| Sprint-3      | $3 + 3 = 6$               | 2 days                 | $6 \div 2 = 3.0$ pts/day   |
| Sprint-4      | $2 + 5 = 7$               | 2 days                 | $7 \div 2 = 3.5$ pts/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.

Sprint

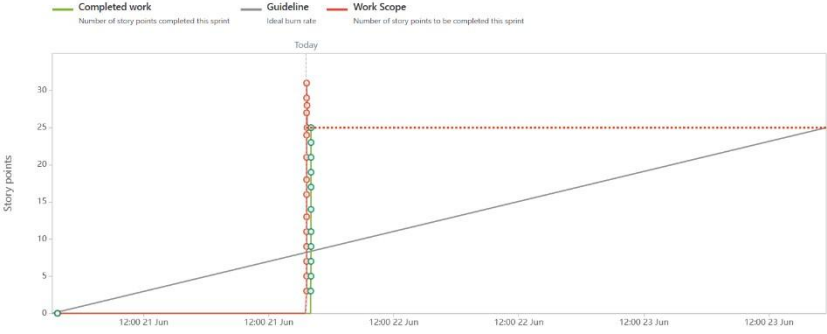
MPIEFA Sprint 2

Estimation field

Story points

...

Date - 20 June 2025 - 23 June 2025



Sprint

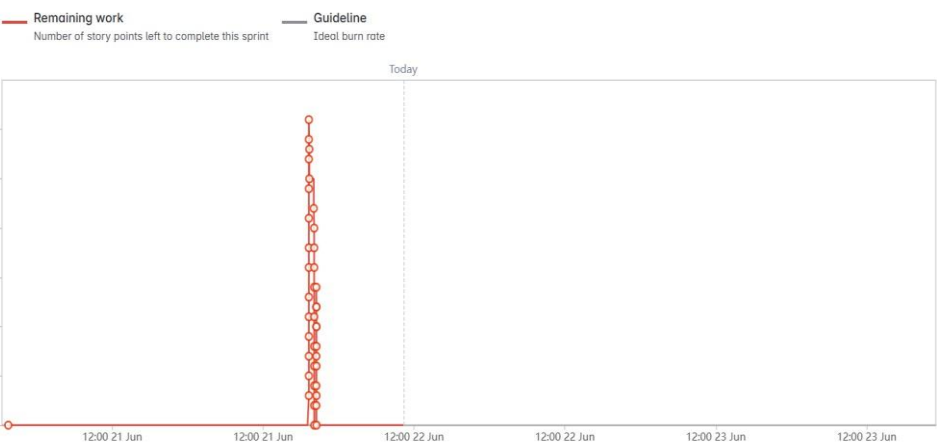
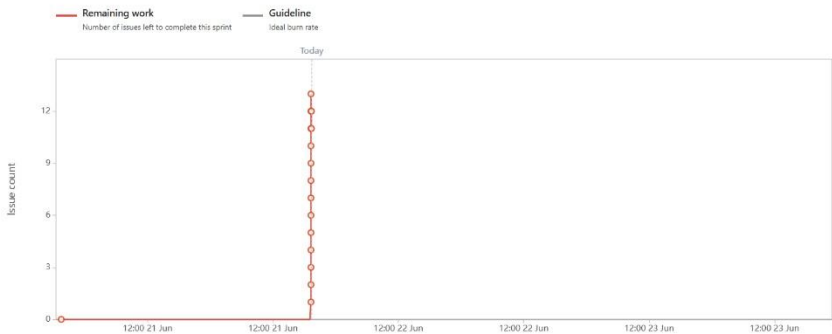
MPIEFA Sprint 2

Estimation field

Work item count

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Date - 20 June 2025 - 23 June 2025



Sprint

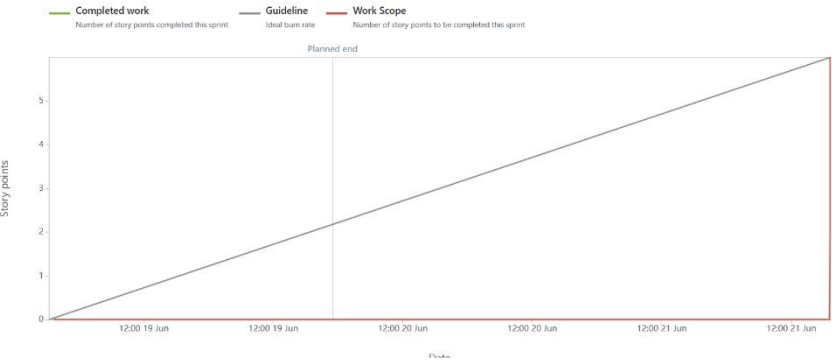
MPIEFA Sprint 1

Estimation field

Story points

...

Date - 18 June 2025 - 19 June 2025



Jira interface showing the project "Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis". The view is the Backlog, displaying two sprints:

- MPPIEFA Sprint 1** (18 Jun – 18 Jun, 3 work items):
  - MPPIEFA-2: Downloading The Dataset (DATA COLLECTION, DONE)
  - MPPIEFA-4: Understand The Data (WORKING WITH DATA..., DONE)
  - MPPIEFA-5: Import Dataset into Database and connect Tableau Desktop to Database server (WORKING WITH DATA..., DONE)
- MPPIEFA Sprint 2** (19 Jun – 20 Jun, 11 work items):
  - MPPIEFA-7: 2022 Economic freedom score (DATA VISUALIZATION, DONE)
  - MPPIEFA-8: Top 40 ranking countries in the index (DATA VISUALIZATION, DONE)
  - MPPIEFA-13: Index score based on 5 year on GDP growth rate(%) (DATA VISUALIZATION, DONE)
  - MPPIEFA-9: Bottom ranking countries in the index (DATA VISUALIZATION, DONE)
  - MPPIEFA-10: Index score based on unemployment rate (DATA VISUALIZATION, DONE)

Jira interface showing the project "Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis". The view is the Timeline, displaying a Gantt chart for the project duration from June to August.

Sprints shown in the timeline:

- MPPIEFA-1 Data Collection (DONE)
- MPPIEFA-3 Working With Dataset (DONE)
- MPPIEFA-6 Data Visualization (DONE)
- MPPIEFA-18 Dashboard (DONE)
- MPPIEFA-20 Story (DONE)
- MPPIEFA-22 Publishing and Web inte... (DONE)

Jira interface showing the project "Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis". The view is the Board, displaying a Kanban board with columns: TO DO, IN PROGRESS, and DONE (18 items).

Work items in the DONE column:

- MPPIEFA-8: Top 40 ranking countries in the index (DATA VISUALIZATION, DONE)
- MPPIEFA-13: Index score based on 5 year on GDP growth rate(%) (DATA VISUALIZATION, DONE)
- MPPIEFA-9: Bottom ranking countries in the index (DATA VISUALIZATION, DONE)
- MPPIEFA-10: Index score based on unemployment rate (DATA VISUALIZATION, DONE)

Jira interface showing the project "Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis". The view is the List, displaying a list of work items.

Work items in the list:

- MPPIEFA-8: Top 40 ranking countries in the index (DATA VISUALIZATION, DONE)
- MPPIEFA-13: Index score based on 5 year on GDP growth rate(%) (DATA VISUALIZATION, DONE)
- MPPIEFA-9: Bottom ranking countries in the index (DATA VISUALIZATION, DONE)
- MPPIEFA-10: Index score based on unemployment rate (DATA VISUALIZATION, DONE)