

## Project Planning Phase

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

|               |  |
|---------------|--|
| Date          | 10 February 2026   |
| Team ID       | LTVIP2026TMIDS77691  |
| Project Name  | Empowering India: Analysing the Evolution of Union Budget Allocations for Sustainable Growth |
| Maximum Marks | 8 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               | USN-1             | Search and collect suitable dataset for analysis  | 3            | High     | Surya Prakash |
| Sprint-1 | Data Loading                  | USN-2             | Load dataset into Tableau                         | 1            | High     | Surya Prakash |
| Sprint-1 | Data Preprocessing            | USN-3             | Handle data types and create required fields      | 2            | High     | Surya Prakash |
| Sprint-1 | Data Cleaning                 | USN-4             | Remove unwanted columns and prepare clean dataset | 2            | High     | Surya Prakash |
| Sprint-2 | Visualization Development     | USN-5             | Create required visualizations in Tableau         | 4            | High     | Surya Prakash |
| Sprint-2 | Dashboard Development         | USN-6             | Design and build interactive dashboard            | 5            | High     | Surya Prakash |
| Sprint-3 | Web Integration               | USN-7             | Integrate dashboard with Flask web interface      | 3            | Medium   | Surya Prakash |
| Sprint-3 | Reporting                     | USN-8             | Prepare documentation and project report          | 3            | High     | Surya Prakash |
| Sprint-3 | Deployment                    | USN-9             | Publish project and share final application link  | 2            | Medium   | Surya Prakash |

**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 | 8                  | 5 Days   | 01 Feb 2026       | 05 Feb 2026               | 8   | 05 Feb 2026                  |
| Sprint-2 | 9                  | 5 Days   | 06 Feb 2026       | 10 Feb 2026               | 9   | 10 Feb 2026                  |
| Sprint-3 | 8                  | 5 Days   | 11 Feb 2026       | 15 Feb 2026               | 8   | 15 Feb 2026                  |
|          |                    |          |                   |                           |   |                              |
|          |                    |          |                   |                           |   |                              |
|          |                    |          |                   |                           |   |                              |
|          |                    |          |                   |                           |   |                              |

**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)

$$AV = \text{Sprint Duration} / \text{velocity} = 25 / 5 = 5 \text{ story points per days}$$