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

Date	19 February 2026
Team ID	LTVIP2026TMIDS38705
Project Name	Empowering India
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint Planning — User Stories

Sprint	Functional Requirement (Epic)	User Story	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As a developer, I can collect Union Budget (2001–2014) dataset from Kaggle for analysis.	2	High	Tamarana Shruthi Thadicherla Chandra Manikanta Sri Devi Prasad Allaka Venkateswara Rao Ananthapalli Rohitha Balla Ramadevi
Sprint-1	Data Storage	USN-2	As a developer, I can store the dataset into MySQL database tables.	2	High	
Sprint-1	Data Cleaning	USN-3	As a developer, I can clean and validate dataset (remove nulls, format columns)	3	High	
Sprint-2	Budget Analysis	USN-4	As an analyst, I can analyze ministry-wise budget allocation trends.	3	High	
Sprint-2	Scheme Analysis	USN-5	As an analyst, I can view top 5 schemes based on total allocation.	2	Medium	
Sprint-3	Dashboard Development	USN-6	As a user, I can interact with filters (year, ministry, category) on dashboard.	3	High	Tamarana Shruthi Thadicherla Chandra Manikanta Sri Devi Prasad Allaka Venkateswara Rao Ananthapalli Rohitha Balla Ramadevi
Sprint-3	Web integration	USN-7	As a user, I can access the Tableau dashboard through Flask web application.	2	Medium	
Sprint-4	Deployment	USN-8	As an admin, I can deploy the application to cloud for public access.	2	Medium	
Sprint-4		USN-8	As an admin, I can deploy the application to cloud for public access.	2	Medium	

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

Sprint Timeline – Indian Union Budget (2001–2014)

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	10	7 Days	01 Feb 2025	07 Feb 2025	10	07 Feb 2025
Sprint-2	8	7 Days	10 Feb 2025	16 Feb 2025	8	16 Feb 2025
Sprint-3	10	7 Days	18 Feb 2025	24 Feb 2025	9	25 Feb 2025
Sprint-4	6	7 Days	27 Feb 2025	05 Mar 2025	6	05 Mar 2025

Sprint Timeline – Indian Union Budget (2001–2014)

- **Sprint-1:** Data Collection, Storage & Cleaning
- **Sprint-2:** Budget & Scheme Analysis
- **Sprint-3:** Dashboard Development & Web Integration
- **Sprint-4:** Deployment & Testing

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)

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

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