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

Date	01 November 2025
Team ID	NM2025TMID07834
Project Name	Medical Inventory Management System
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	Product Management	USN-1	As an admin, I can add new medical products with details like name, batch number, expiry date and quantity.	3	High	G.Thavasakthi
Sprint-1	Supplier Management	USN-2	As an admin, I can add and manage supplier details including contact and address information.	2	Medium	S.Srisakthi
Sprint-2	Inventory Tracking	USN-3	As a user, I can update stock automatically when items are issued, returned, or received.	4	High	C.Jeyasri
Sprint-2	Expiry Alert System	USN-4	As an admin, I can view alerts for medicines nearing expiry to avoid wastage.	3	High	S.Suruthi Prathap
Sprint-3	Low Stock Notification	USN-5	As a user, I can receive low stock alerts when medicine quantities drop below the threshold.	3	Medium	S.Srisakthi
Sprint-3	Report Generation	USN-6	As an admin, I can generate reports summarizing stock, expiry status, and supplier performance.	4	High	C.Jeyasri
Sprint-4	Testing and Documentation	USN-7	As a tester, I can validate all modules and prepare project documentation.	2	Medium	G.Thavasakthi

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	20	6 Days	10 Oct 2025	14 Oct 2025	20	14 Oct 2025
Sprint-2	20	6 Days	15 Oct 2025	19 Oct 2025	20	19 Oct 2025
Sprint-3	20	6 Days	20 Oct 2025	24 Oct 2025	19	24 Oct 2025
Sprint-4	20	6 Days	25 Oct 2025	29 Oct 2025	20	29 Oct 2025

Velocity

Average velocity = (Total Story Points Completed) / (Total Duration in Days)

Total: 39 points / 20 days → **Velocity = 1.95 points/day**

Burndown Chart:

A **burndown chart** is a graphical representation of the remaining work (story points or tasks) against the time allocated in a project.
It helps the team visualize progress, track task completion, and identify whether the project is on schedule.
In the **Medical Inventory Management System**, the burndown chart was used to monitor the completion of key modules such as:
- Product and Supplier Management
- Stock Updates and Inventory Transactions
- Expiry and Low Stock Alerts
- Report Generation and Testing

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/tutorials

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.tutorialspoint.com

https://trailhead.salesforce.com

https://help.salesforce.com