

Project Planning Phase

Project Planning Template (Gantt Chart ,Work Breakdown Structure (WBS),Tools and Technology Stack,Timeline & Milestones)

Date	01 November2025
Team ID	NM2025TMID02455
Project Name	Medical Inventory Management
Maximum Marks	5 Marks

Product Gantt Chart ,Work Breakdown Structure (WBS),Tools and Technology Stack,Timeline & Milestones) (4 Marks)

Use the below template to create product Gantt Chart and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Authentication	USN-1	As an admin, I can create test users for simulation.	3	High	C.Rajavarshini
Sprint-1	Inventory Tracking	USN-2	As an admin, I can assign a test user (e.g., Kiran) to an incident.	2	High	N.Shobika Shree
Sprint-2	Inventory View & Search	USN-3	As a system admin, I want to create a Business Rule that blocks deletion of assigned users.	2	High	K.Akshaya
Sprint-2	Stock Alert System	USN-4	As a Staff, I should get alerts for low stock and expired items.	4	High	B.Sridevi
Sprint-2	Supplier & Purchase Management	USN-5	As an Admin, I can create purchase orders and update received stock.	3	Medium	N.Shobika Shree

Sprint-3	Reports & Dashboard	USN-6	As an Admin, I can view stock reports and usage analytics on dashboard..	3	Medium	N. Durga Mahendra
Sprint-3	Testing	USN-7	As a Tester, I should verify correct availability updates and alert triggers.	2	High	

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	12	2Days	26 Oct2025	12	20	05 June 2025
Sprint-2	12	2 Days	28 Oct2025	12	20	11 June 2025
Sprint-3	10	2 Days	30 Oct 2025	9	19	18 June 2025
Sprint-4	10	2 Days	01 Nov 2025	10	20	25 June 2025

Velocity

Average Velocity

$$\text{Velocity} = \frac{\text{Total Story Points Completed}}{\text{Total Sprint Duration (in Days)}}$$

Total Completed Story Points = 12 + 12 + 9 + 10 = 43

🕒 Total Duration = 2 + 2 + 2 + 2 = 8Days

The burndown chart will show a **gradual decrease in remaining work** across the 4 sprints until project completion on **02Nov 2025**.

Reference:

<https://chatgpt.com/c/6906268f-47c0-8321-9c19-1aaab457215a>