

# Project Planning Phase

## Project Planning Template

Date	0 1.11.2025
Team ID	NM2025TMID04299
Project Name	Medical Inventory Management
Maximum Marks	5 Marks

## Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story No.	User Story / Task	Story Points	Priority	Team Member
<b>Sprint-1</b>	Product & Supplier Management	USN-1	As an admin, I can create and manage Product and Supplier objects with all fields and tabs.	4	High	John PurchaseM
<b>Sprint-1</b>	Lightning App Setup	USN-2	As a user, I can create the Medical Inventory Management Lightning App.	2	Medium	John PurchaseM
<b>Sprint-2</b>	Purchase Order Automation	USN-3	As an admin, I can link suppliers and products to Purchase Orders with formula and lookup fields.	4	High	Inventory Manager
<b>Sprint-2</b>	Validation Rules	USN-4	As a QA, I can ensure proper date validation	2	Medium	QA Tester

			(Expected Delivery $\leq$ 7 days).			
<b>Sprint-3</b>	Flows and Triggers	USN-5	As a developer, I can automate Actual Delivery Date and Total Cost calculations.	4	High	Developer Team
<b>Sprint-3</b>	Page Layouts and Compact Layouts	USN-6	As a user, I can customize record layouts for better readability.	3	Medium	Admin Team
<b>Sprint-4</b>	Reports & Dashboards	USN-7	As a user, I can create reports and dashboards to visualize orders and supplier data.	4	High	Analyst
<b>Sprint-4</b>	Profiles, Roles & Permission Sets	USN-8	As an admin, I can manage user access using profiles and roles.	3	Medium	System Admin

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed</b>	<b>Sprint Release Date (Actual)</b>
<b>Sprint-1</b>	10	5 Days	06 Oct 2025	11 Oct 2025	10	11 Oct 2025
<b>Sprint-2</b>	10	5 Days	12 Oct 2025	17 Oct 2025	10	17 Oct 2025
<b>Sprint-3</b>	10	6 Days	18 Oct 2025	24 Oct 2025	9	24 Oct 2025
<b>Sprint-4</b>	10	6 Days	25 Oct 2025	31 Oct 2025	10	31 Oct 2025

### Velocity Calculation

Average Velocity =  $\frac{\text{Total Story Points Completed}}{\text{Total Duration}}$

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= (39 Story Points) / (22 Days) = 1.77 Story Points/Day

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### Burndown Chart Summary

- **Sprint 1–2:** 100% completed on schedule (object creation, tab setup).
- **Sprint 3:** Slight delay due to testing of automation (flow & trigger).
- **Sprint 4:** Completed as planned with dashboards and access controls.
- The burndown trend shows a **steady decrease** in pending work, confirming balanced sprint management