# Project Planning Phase

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

| Date | 2,November,2025 |
|---|---|
| **Team ID** | NM2025TMID00728 |
| **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 Member |
|---|---|---|---|---|---|---|
| Sprint-1 | Setup & Configuration | USN-1 | As a Salesforce admin, I can create a developer org and set up basic environment. | 1 | High | E.Akalya |
| Sprint-1 | Object & Data Model | USN-2 | As an admin, I can create objects for Supplier, Product, Purchase Order, and Inventory records. | 3 | High | E.Akalya |
| Sprint-1 | Tabs & App | USN-3 | As a user, I want tabs and a Lightning app to easily access all modules. | 2 | High | E.Akalya |
| Sprint-2 | Field & Page Layout | USN-4 | As a user, I want fields and page layouts to store complete medical inventory data. | 3 | High | M.Aishwarya |

| Sprint-2 | Validation Rules | USN-5 | As a manager, I want validation rules to ensure data quality (e.g., no expired stock entry). | 3 | High | M.Aishwarya |
|---|---|---|---|---|---|---|
| Sprint-2 | Security Setup | USN-6 | As an admin, I can configure profiles, roles, users, and permission sets. | 4 | High | M.Aishwarya |
| Sprint-3 | Automation | USN-7 | As a system owner, I can create Salesforce flows for inventory updates and expiry alerts. | 4 | High | A.B.Abipriyanga |
| Sprint-3 | Apex Logic | USN-8 | As a developer, I can implement triggers for automatic stock adjustment during transactions. | 4 | Medium | A.B.Abipriyanga |
| Sprint-3 | UI Optimization | USN-9 | As a user, I want compact layouts for easy viewing of records. | 2 | Medium | A.B.Abipriyanga |
| Sprint-4 | Reporting & Analytics | USN-10 | As a manager, I can generate reports on suppliers, expiry, purchase orders, and stock. | 3 | High | T.Aarthi |

| Sprint-4 | Dashboard | USN-11 | As management, we want dashboards for medical inventory insights. | 3 | High | T.Aarthi |
| Sprint-4 | Documentation | USN-12 | As a project owner, I will document architecture, reports, and learning outcomes. | 2 | Medium | T.Aarthi |

## Project Tracker, Velocity & Burndown Chart:

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint Start Date | Story Points Completed | Sprint Release Date |
|--------|--------------------|----------|-------------------|-------------------|------------------------|---------------------|
| Sprint-1 | 6 | 3 Days | 20 Oct 2025 | 22 Oct 2025 | 6 | 22 Oct 2025 |
| Sprint-2 | 10 | 3 Days | 23 Oct 2025 | 25 Oct 2025 | 10 | 25 Oct 2025 |
| Sprint-3 | 9 | 4 Days | 26 Oct 2025 | 29 Oct 2025 | 9 | 29 Oct 2025 |
| Sprint-4 | 9 | 4 Days | 30 Oct 2025 | 02 Nov 2025 | 9 | 02 Nov 2025 |

Total Story Points = 34 | Total Duration = 14 Days

## Velocity Calculation:

Velocity = Total Story Points Completed / Total Sprints
= 34 / 4 = 8.5 story points per sprint

## 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.

Burndown Chart - Medical Inventory Project