**📋 Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story Points)**

**Date:** 15 February 2025  
**Team ID:** *LTVIP2025TMID28994*  
**Project Name:** *Medical Inventory Management System*  
**Maximum Marks:** 5 Marks

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

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Inventory Setup | USN-1 | As an admin, I can add initial medical inventory data into the system. | 2 | High | [Team Member 1] |
| Sprint-1 | User Roles & Login | USN-2 | As a user, I can log into the system securely. | 1 | High | [Team Member 2] |
| Sprint-1 | Dashboard View | USN-3 | As a store manager, I can view stock levels and expiry alerts. | 3 | High | [Team Member 3] |
| Sprint-2 | Low-Stock Alert System | USN-4 | As a user, I receive notifications when an item is low in stock. | 3 | Medium | [Team Member 2] |
| Sprint-2 | Purchase Request | USN-5 | As a user, I can send purchase requests for selected items. | 4 | High | [Team Member 1] |
| Sprint-2 | Supplier Module | USN-6 | As a user, I can view and select supplier details. | 2 | Medium | [Team Member 3] |
| Sprint-3 | Stock-In via Delivery | USN-7 | As a pharmacist, I can record received inventory and update stock. | 2 | High | [Team Member 2] |
| Sprint-3 | Barcode Scanner Integration | USN-8 | As a user, I can scan barcodes to update inventory automatically. | 3 | Low | [Team Member 1] |
| Sprint-4 | Reports & Analytics | USN-9 | As an admin, I can generate reports on stock usage and expiry. | 4 | High | [Team Member 3] |

**📊 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 | 6 | 6 Days | 17 Feb 2025 | 22 Feb 2025 | 6 | 22 Feb 2025 |
| Sprint-2 | 9 | 6 Days | 24 Feb 2025 | 29 Feb 2025 | 9 | 29 Feb 2025 |
| Sprint-3 | 5 | 6 Days | 02 Mar 2025 | 07 Mar 2025 | - | - |
| Sprint-4 | 4 | 6 Days | 09 Mar 2025 | 14 Mar 2025 | - | - |

**⚙️ Velocity**

**Velocity** = Total Story Points Completed ÷ Number of Completed Sprints  
= (6 + 9) / 2 = **15 / 2 = 7.5 Story Points per Sprint**

**📉 Burndown Chart**

A **Burndown Chart** will plot:

* X-axis: Sprint Days (1 to 6)
* Y-axis: Remaining Story Points (from total to 0)
* As tasks are completed, the line drops toward zero.

**Example Interpretation:**

* Start: 6 Story Points
* Day 3: 3 Story Points left
* Day 6: 0 Story Points

📌 *You can create this chart using Excel, Google Sheets, or any Agile tool like Jira.*

**📚 References**

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

 <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>