

Ideation Phase

Brainstorm & Idea Prioritization

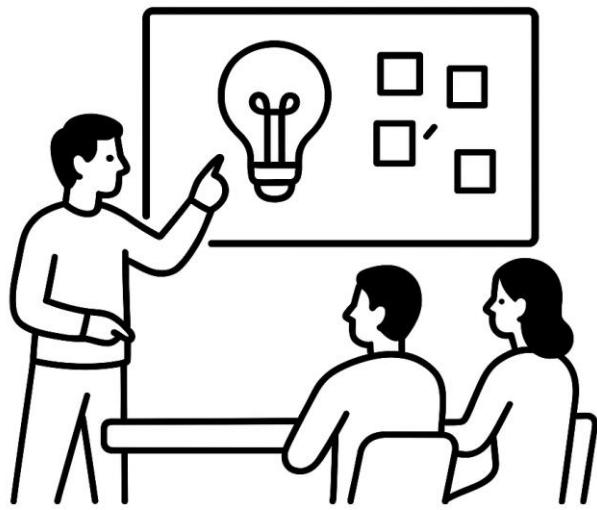
Date	01 November 2025
Team ID	NM2025TMID02866
Project Name	Medical Inventory Management
Maximum Marks	4 Marks

MEDICAL INVENTORY MANAGEMENT

This guided project focuses on developing a system to efficiently manage and track medical inventory within a healthcare organization. The project aims to reduce stock wastage, prevent shortages of critical supplies, and ensure that all medical items are accurately recorded and traceable. The workflow includes creating an inventory database, implementing stock monitoring alerts, and generating reports for real-time tracking. This system supports better planning, minimizes manual errors, and ensures that medical resources are always available when needed.

Step-1: Team Gathering, Collaboration and Select the Problem Statement:

The team collaborates to identify key challenges faced by hospitals and clinics in managing their medical stock. After discussion, the problem statement selected is to create a “Medical Inventory Management System” that can automate stock updates, track expiry dates, and generate purchase alerts. Team members exchange ideas and discuss technologies such as databases, cloud integration, and alert mechanisms to enhance efficiency.



Step-2: Brainstorm, Idea Listing and Grouping:

Brainstorm: Team members freely share ideas about how to improve the process of tracking and replenishing medical supplies. **Idea Listing:** All ideas are noted down, including features like barcode scanning, real-time alerts, expiry tracking, vendor management, and automatic purchase request generation. **Grouping:** Similar ideas are grouped into categories such as 'Inventory Tracking', 'Notifications', 'Data Analysis', and 'Procurement'. This helps the team identify main modules to focus on. **Action Planning:** Selected ideas are turned into action items, assigning roles to members for database design, UI development, and testing.

Diagram LIST OF IDEAS FOR EFFECTIVE BRAINSTORMING PROCESS



Step-3: Idea Prioritization:

Idea prioritization allows the team to focus on the most impactful features first. The core priority is accurate stock tracking and expiry alerts, followed by data analytics and reporting. By prioritizing these features, the system ensures that critical medicines are always available while minimizing waste. Charts and diagrams are used to represent workflow and feature dependencies. This prioritization makes implementation systematic and enhances clarity during execution.

