

Ideation Phase

Brainstorming

Date	07-11-2025
Team ID	NM2025TMID05637
Project Name	Medical Inventory Management

1. Introduction

Objective:

The brainstorming session aims to generate creative and practical solutions to the challenges identified in the Problem Statement and Empathy Map. It ensures the Medical Inventory Management System (MIMS) addresses real user needs effectively.

Key Focus Areas:

1. Real-time inventory tracking
2. Supplier management
3. Purchase order automation
4. Expiry monitoring
5. Reporting and analytics

Participants:

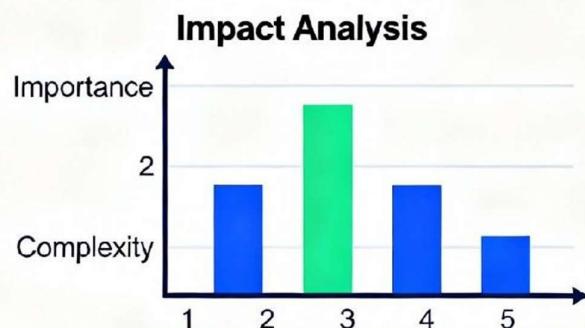
Inventory Managers

Procurement Staff

Warehouse Supervisors

Salesforce Developers

Project Manager



2. Brainstorming Methodology

Techniques Used:

1. Mind Mapping:

Central node: Medical Inventory Management System

Branches: Stock Tracking, Supplier Management, Purchase Orders, Expiry Alerts, Reporting

2. SWOT Analysis:

Strengths: Centralized system, automation, Salesforce integration

Weaknesses: Initial setup complexity, training required

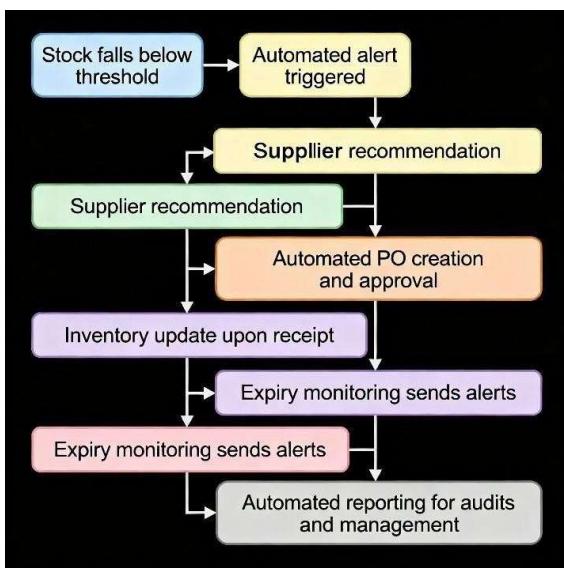
Opportunities: Improved efficiency, compliance, cost reduction

Threats: Resistance to change, data migration issues

3. “How Might We” Questions:

How might we reduce errors in inventory management?

How might we automate low-stock alerts?



4. Detailed Workflows

Workflow 1: Low-Stock Management

1. Stock level falls below threshold.
2. Salesforce dashboard sends automated alert.
3. System recommends suppliers based on past performance.
4. Purchase order is auto-generated and sent for approval.
5. Stock is updated upon receipt.

Workflow 2: Expiry Management

1. System monitors expiry dates of all products.
2. Alert is generated for items expiring within 30 days.
3. Inventory Manager reviews and schedules replacement/disposal.
4. Compliance report is updated automatically.

Workflow 3: Reporting

1. Dashboard compiles stock, supplier, and order data.
2. Weekly automated reports are emailed to Admin Staff.
3. Reports are used for audits and strategic decisions.

Conclusion:

The brainstorming phase identifies practical and innovative solutions to solve the problems faced by medical inventory users. By implementing the features discussed, MIMS will automate critical processes, enhance decision-making, ensure compliance, and improve overall operational efficiency.