Ideation Phase

Brainstorming

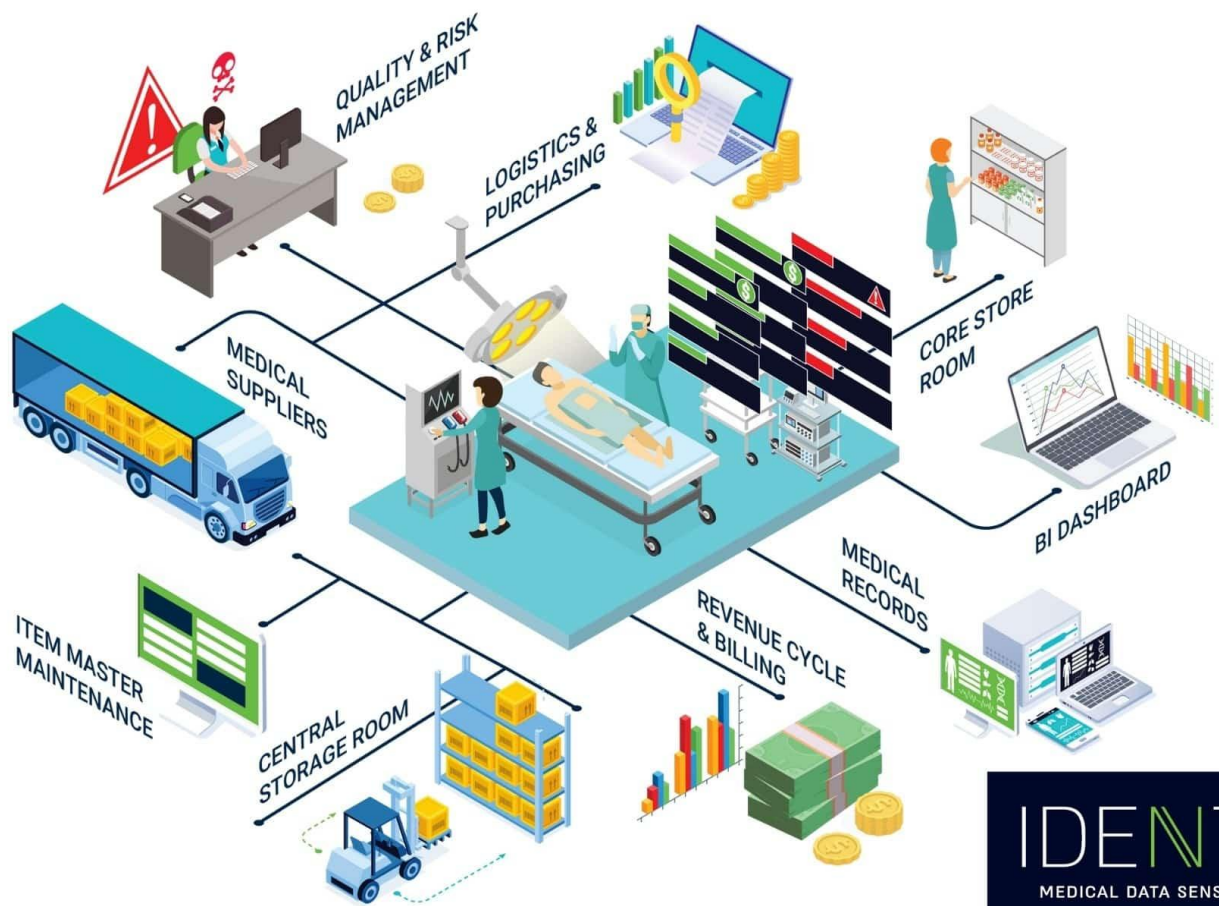|	
Date	07-11-2025
Team ID	NM2025TMID06114
Project Name	Medical Inventory Management

1. Introduction

Objective:

The brainstorming session is conducted to explore innovative and practical ideas that solve the challenges highlighted in the Problem Statement and Empathy Map, ensuring the Medical Inventory Management System (MIMS) efficiently fulfills actual user requirements.

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

QUALITY & RISK MANAGEMENT

LOGISTICS & PURCHASING

MEDICAL SUPPLIERS

CORE STORE ROOM

BI DASHBOARD

ITEM MASTER MAINTENANCE

CENTRAL STORAGE ROOM

REVENUE CYCLE & BILLING

MEDICAL RECORDS

IDENTI
MEDICAL DATA SENSING

2. Brainstorming Methodology

Techniques Used:

1. **Mind Mapping:**
   Main concept: Medical Inventory Management System
   Key branches: Inventory Tracking, Vendor Management, Order Processing, Expiry Notifications, Data Reporting

2. **SWOT Analysis:**
   Strengths: Unified platform, automated workflows, seamless Salesforce connectivity
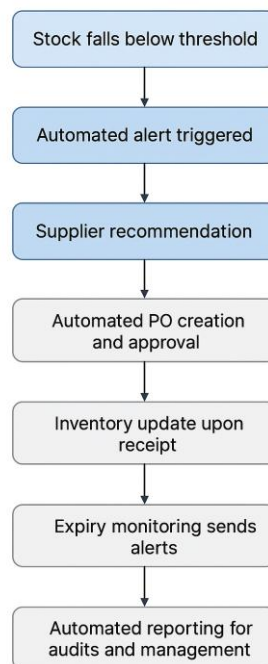   **Weaknesses:** Complex implementation, user training needed
   Opportunities: Enhanced productivity, better compliance, reduced operational costs
   Threats: User resistance, challenges in data transfer

3. **"How Might We" Questions:**
   How can we minimize mistakes in inventory handling? How can we automate alerts for low stock levels?

1. <u>Detailed Workflows</u>

Workflow 1: Low-Stock Management

1. Inventory level drops below the defined limit.
2. Salesforce dashboard triggers an automated notification.
3. System suggests suppliers based on previous records and reliability.
4. Purchase order is automatically generated and forwarded for authorization.
5. Inventory records are updated once new stock is received.

Workflow 2: Expiry Management

1. System continuously tracks product expiry dates.
2. Notification is issued for items nearing expiry within 30 days.
3. Inventory Manager plans replacement or safe disposal accordingly.
4. Compliance documentation is automatically refreshed.

Workflow 3: Reporting

1. Dashboard consolidates data on inventory, suppliers, and purchase orders.
2. Automated weekly reports are sent to administrative staff.
3. Reports assist in audits, analysis, and strategic planning.

Conclusion:
The brainstorming stage delivers effective and creative approaches to overcome challenges faced by medical inventory users. Through these proposed features, MIMS will streamline essential workflows, support informed decisions, maintain regulatory compliance, and boost overall operational productivity.