

Define Problem Statement - Medical Inventory Management System

Ideation Phase

Define the Problem Statements

Date: 03 November 2025

Team ID: NM2025TMID00478

Project Name: Medical Inventory Management System

Maximum Marks: 2 Marks

Customer Problem Statement Template:

Hospitals and pharmacies often face challenges managing their medical stock manually. This leads to frequent stockouts, excess storage, and even distribution of expired medicines. Such inefficiencies affect patient care and increase operational costs.

They need a system that automatically tracks inventory levels, manages expiry alerts, and provides accurate, real-time information. This ensures better control, reduced wastage, and smooth hospital operations.

Example:

PS-1 Pharmacist – Trying to track available medicines but stock details are not updated because records are maintained manually, which makes me feel frustrated and anxious during emergencies.

PS-2 Admin – Trying to monitor medicine expiry but there is no automatic alert system because I depend on manual checking, which makes me feel worried about patient safety and hospital reputation.

Problem Statement PS1:

As a pharmacist, I am trying to check the stock of essential medicines quickly, but the records are not updated in real-time because inventory is maintained manually. This makes me feel anxious during emergencies as I cannot ensure medicine availability when needed.

Problem Statement PS2:

As a hospital admin, I want to monitor medicine expiry and stock levels efficiently. However, due to the lack of an automated alert system, I often miss restocking deadlines, leading to expired stock or shortages. This affects patient service and increases costs.

Reference: <https://miro.com/templates/customer-problem-statement/>