🧠 Ideation Phase Define The Problem :

Date : 09/11/2025

Team ID : NM2025TMID02283

Project Name : Medical IVENTORY MANAGEMENT

Minimum Marks : 2 Marks

1. Problem Statement Template :

Title	Inefficient Medical Inventory Management in Healthcare Facilities Many hospitals, clinics, and pharmacies still.
Background	rely on manual or outdated systems to manage their medical inventory. This leads to inefficiencies such as stockouts, overstocking, expired medicines, and human errors.
Core Problem	Lack of automation and real-time tracking in inventory management causes poor visibility, inaccurate records, and delayed replenishment.
Impact	These issues result in increased operational costs, medicine wastage, and delayed patient care.

Component	Description
Customer / End User	Hospitals, clinics, pharmacies, and healthcare administrators
Customer Need	To efficiently track, monitor, and replenish medical supplies and medicines in real time
Problem / Pain Point	Manual systems cause delays, errors, and wastage due to expired or missing stock
Impact	Reduced operational efficiency, increased costs, and risks to patient safety
Desired Outcome	A reliable, user-friendly software that automates inventory control, improves accuracy, and ensures the timely availability of essential medical supplies

4. Example

Scenario:

A hospital pharmacy manages around 2,000 medicines manually using spreadsheets. Staff members often forget to record new stock or remove expired items. As a result, essential medicines run out unexpectedly, causing delays in patient treatment and wastage due to expired drugs.

Solution:

The hospital implements a **Medical Inventory Management Software** that automatically updates stock levels when items are added or used. It sends low-stock alerts, expiry warnings, and generates daily usage reports. The system also allows the admin to monitor inventory levels across depa **Proposed** rtments in real time.