

Ideation Phase

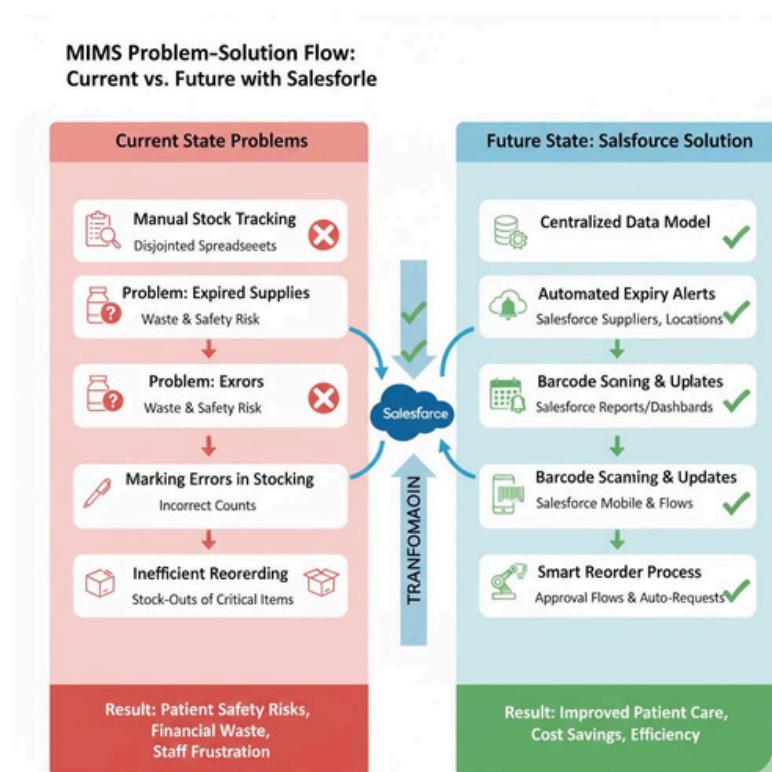
Define the Problem Statements

Date	28 October 2025
Team ID	NM2025TMID07064
Project Name	MedicalInventoryManagement
Maximum Marks	2 Marks

Customer Problem Statement:

Healthcare organizations often struggle to efficiently manage their medical supplies due to manual tracking methods, lack of real-time data, and limited visibility into stock movement. These issues lead to problems such as stock shortages, overstocking, expired medicines, and delays in procurement. Without a centralized system, staff members spend excessive time monitoring inventory levels, preparing purchase orders, and maintaining records, which affects overall operational efficiency and patient care.

There is a clear need for a reliable, automated solution that can accurately record, monitor, and update medical inventory details in real time. Such a system should provide instant alerts for low or expiring stock, generate insightful reports, and streamline supplier management — ensuring that healthcare facilities always have the right medical resources available at the right time.



Problem Statement PS1:

Healthcare institutions often face difficulties in maintaining accurate and up-to-date records of medical supplies. Manual inventory tracking leads to errors, data duplication, and delays in identifying low-stock or expired items, resulting in inefficiency and potential risks to patient care.

Problem Statement PS2:

The absence of an automated and centralized system for managing medical inventory causes challenges in monitoring stock movement, generating timely reports, and coordinating with suppliers. This lack of visibility and control leads to poor decision-making and unnecessary financial losses due to wastage or over-purchasing of medical items.