

## IDEATION PHASE

### Define the Problem Statements

DATE	01/11/2025
NM ID	NM2025TMID08826
PROJECT NAME	MEDICAL INVENTORY MANAGEMENT
MAXIMUM MARKS	2 MARKS

#### Customer Problem Statement Template

Hospitals and clinics face issues when trying to delete or remove medical inventory items that are still linked to active medical processes such as patient treatments, ongoing surgeries, or pending prescriptions.

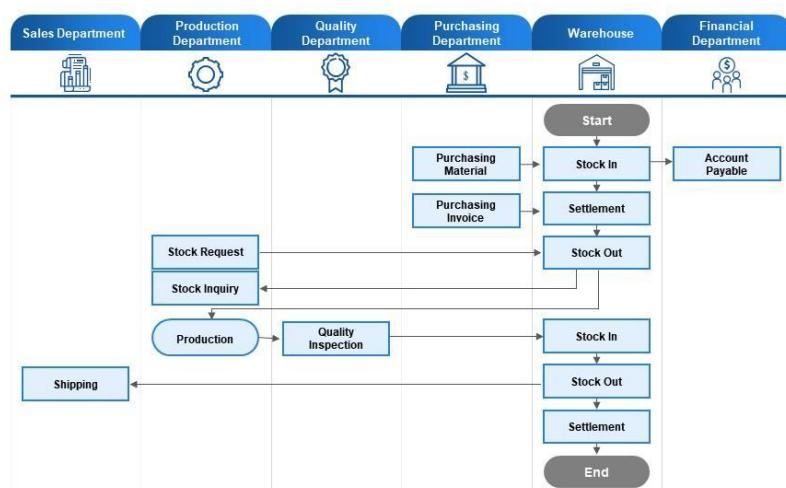
This leads to broken workflows, data inconsistencies, and potential patient safety risks. It creates confusion among healthcare staff who depend on accurate inventory data for timely medical care.

Delays in identifying replacement items or restocking can impact service quality, patient outcomes, and compliance with healthcare regulations.

Healthcare staff need a way to prevent the deletion of inventory items unless all associated medical uses or processes are completed, ensuring data integrity, patient safety, and system reliability.

#### Process Flow Chart of Inventory Management

*This slide is 100% editable. Adapt it to your need and capture your audience's attention.*



**Example:**

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	An Inventory Admin	Delete an expired or faulty medical item	The system doesn't allow it	The item is still linked to active patient treatments or open medical orders	Stuck and uncertain
PS-2	A Medical Supervisor	Manage inventory item assignments	Items are deleted without proper alerts	There's no system check for active dependencies or warnings	Worried and frustrated

**Problem Statement PS-1:**

As an **Inventory Administrator**, I am trying to delete a medical item that has expired or been recalled, but the system prevents me from completing this action because the item is still linked to **ongoing patient treatments or pending prescriptions**.

This limitation makes me feel **stuck and uncertain**, as I cannot maintain clean inventory records or ensure compliance efficiently. It interrupts the supply chain and causes delays in medical operations, especially during emergencies.

**Problem Statement PS-2:**

As a **Medical Supervisor**, I want to ensure that medical inventory items are **properly reassigned or substituted** when an item is removed or deleted. However, the system currently allows deletion **without any warning, summary, or dependency check** for active medical use.

This leads to **treatment delays and incomplete medical records**, affecting both **staff efficiency and patient care quality**.

A **built-in alert or automatic reassignment feature** would prevent such errors, maintain accountability, and ensure continuous service delivery in the healthcare environment.