

PROJECT DESIGN PHASE – PROPOSED SOLUTION

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

Proposed Solution Template

S.No.	Parameter	Description
1	Problem Statement	In hospitals and clinics, manual inventory tracking leads to expired items, stockouts, and compliance risks. Lack of automation causes inefficiencies and data inaccuracies.
2	Idea / Solution Description	A Salesforce-based application is implemented to manage medical inventory. It tracks supplier details, purchase orders, product batches, and expiry dates. Validation rules and flows ensure accurate logging and timely alerts.
3	Novelty / Uniqueness	The solution uses native Salesforce features—custom objects, validation rules, and flows—without external plugins. It integrates expiry tracking and department-level assignment in a single platform.
4	Social Impact / Customer Satisfaction	Enhances patient safety by preventing use of expired items. Improves staff efficiency and accountability. Reduces waste and ensures timely restocking.
5	Business Model (Revenue Model)	Not directly monetized, but reduces operational costs, prevents data loss, and improves compliance—leading to more efficient healthcare delivery.
6	Scalability of the Solution	Can be extended to include modules for equipment tracking, vendor performance analytics, and automated reorder flows. Adaptable for multi-location hospitals and role-based access.

Solution Description

To prevent stockouts, expired item usage, and manual errors in medical inventory, a custom Salesforce application is developed. It includes objects for **Supplier**, **Product**, and **Purchase Order**, with validation rules to check expiry dates and stock levels. Flows automate alerts for low inventory and upcoming expiries. The system ensures accurate tracking, improves accountability, and supports scalable healthcare operations. It is fully built using native Salesforce logic, making it lightweight, secure, and easy to maintain.