Project Design Phase
Proposed Solution

Date	1 NOVEMBER 2025
Team ID	NM2025TMID07834
Project Name	Medical Inventory Management System
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Manual tracking of medicines leads to errors like expired or missing stock, causing loss and inefficiency in hospitals.
2.	Idea / Solution description	Develop a Salesforce-based system to automate stock updates, supplier details, and expiry alerts for medicines.
3.	Novelty / Uniqueness	Uses Salesforce automation (Objects, Flows, Triggers) to manage medical stock without external tools.
4.	Social Impact / Customer Satisfaction	Improves patient safety, reduces manual work, and ensures medicine availability at all times.
5.	Business Model (Revenue Model)	Can be offered as a subscription to hospitals or pharmacies to reduce costs and stock wastage.

6.	Scalability of the Solution	Can extend to manage multiple branches, medical equipment, and supplier systems easily.

Conclusion

The project **"Medical Inventory Management System"** addresses a crucial challenge in healthcare inventory control and data management. By ensuring that every medicine item is tracked, linked to its supplier, and monitored for expiry, the solution enhances accountability, data integrity, and operational transparency. This project not only automates stock updates and expiry alerts but also minimizes human errors and prevents medicine shortages. With the successful implementation of Salesforce-based automation tools like objects, flows, and triggers, this system lays a strong foundation for efficient, safe, and smarter hospital inventory operations. It ultimately supports better decision-making, improves patient care, and establishes a reliable and scalable solution for healthcare management.

Reference: Infographic designed using **Google Slides**.

Solution Description:

To ensure accurate and efficient management of medicines in hospitals, the **Medical Inventory Management System** is implemented on the Salesforce platform. This system automates stock tracking, supplier management, and expiry monitoring. It validates each medicine entry, links it with its supplier, and triggers alerts when stock levels are low or nearing expiry. The approach leverages Salesforce objects, flows, and triggers, making it efficient, plugin-free, and easily adaptable. This solution enhances data accuracy, prevents medicine wastage, and improves operational transparency in hospital inventory processes, ensuring timely availability of essential medical supplies.