

PROBLEM - SOLUTION FIT

Date	23 October 2025
Team ID	NM2025TMID08036
Project Name	Medical Inventory Management
Maximum Marks	2 Marks

Problem-Solution Fit:

The Medical Inventory Management Project achieves a strong problem-solution fit by addressing the manual inefficiencies and data management challenges faced by hospitals, clinics, and pharmacies in handling medical inventory. Through an automated and cloud-based system, it streamlines stock tracking, supplier management, billing, and compliance reporting. The solution enhances accuracy, prevents medicine wastage, and ensures that essential supplies are always available when needed. It reduces manual effort, improves coordination between departments, and supports decision-making with real-time data analytics, effectively meeting the operational needs of modern healthcare institutions.

Purpose:

- To automate and streamline the management of medical supplies, drugs, and equipment across healthcare facilities.
- To ensure accurate stock tracking, expiry monitoring, and timely restocking through system automation.



- To improve supplier and purchase management using cloud-based tools for better procurement efficiency.
- To enhance hospital operations by minimizing wastage, maintaining compliance, and improving patient care through proper inventory control.