

# Solution Requirements

<b>Date</b>	28 June 2025
<b>Team ID</b>	LTVIP2025TMID30494
<b>Project Name</b>	Medical Inventory Management

## Functional Requirements

FR No.	Functional Requirement	Sub-Requirement (Story / Sub-task)
FR-1	Product & Inventory Management	<ul style="list-style-type: none"><li>· Create/edit Product records with expiry and stock info</li><li>· Track stock levels and expiry dates</li></ul>
FR-2	Supplier Management	<ul style="list-style-type: none"><li>· Create/edit Supplier records with contact info</li><li>· View supplier performance history</li></ul>
FR-3	Purchase Order Processing	<ul style="list-style-type: none"><li>· Create/edit POs</li><li>· Add Order Items</li><li>· Auto-calculate totals</li></ul>
FR-4	Inventory Transactions	<ul style="list-style-type: none"><li>· Record goods received</li><li>· Auto-update stock</li><li>· Log transactions</li></ul>
FR-5	Expiry Alert Automation	<ul style="list-style-type: none"><li>· Scheduled flow to alert on upcoming expiries</li></ul>
FR-6	Role-Based Access	<ul style="list-style-type: none"><li>· Define roles for Inventory Manager and Purchase Manager</li><li>· Restrict object/field access</li></ul>
FR-7	Reporting & Dashboards	<ul style="list-style-type: none"><li>· Purchase Summary Reports</li><li>· Dashboard showing supplier and PO insights</li></ul>
FR-8	Validation & Flow Automation	<ul style="list-style-type: none"><li>· Expected Delivery Date validation</li><li>· Flow to auto-set Actual Delivery Date</li></ul>
FR-9	Apex Trigger Logic	<ul style="list-style-type: none"><li>· Trigger on Order Item to compute total amount</li></ul>

## **Non-functional Requirements**

<b>NFR No.</b>	<b>Category</b>	<b>Definition</b>
NFR-1	Usability	Interface must be intuitive for quick inventory and order actions
NFR-2	Security	Role-based access, audit trail, and field-level restrictions
NFR-3	Reliability	Stable under regular use across purchase and inventory cycles
NFR-4	Performance	Dashboards and flows should run efficiently with
NFR-5	Availability	Target 99.9% uptime during hospital operation hours
NFR-6	Scalability	Capable of handling increased POs, transactions, and inventory growth