

## MEDICAL INVENTORY MANAGEMENT

<b>Date</b>	<b>20-06-2025</b>
<b>Team ID</b>	<b>LTVIP2025TMID29579</b>
<b>Project Name</b>	<b>Medical Inventory Management</b>
<b>Maximum Marks</b>	

### CHAPTER - 7 FUNCTION AND PERFORMANCE TESTING

#### 7.1 -Types of Software Testing

<b>Testing Type</b>	<b>Purpose</b>
<b>Unit Testing</b>	Tests individual components or modules (e.g., inventory update logic, alert triggers)
<b>Integration Testing</b>	Ensures different modules (e.g., inventory + supplier + reporting) work together correctly
<b>System Testing</b>	Validates the complete system against requirements in a real-world scenario
<b>Functional Testing</b>	Verifies that features like stock tracking, expiry alerts, and reordering work as expected
<b>Usability Testing</b>	Checks user experience, interface design, and ease of navigation for pharmacists and staff
<b>Security Testing</b>	Ensures sensitive data (e.g., patient-linked inventory) is protected and access is controlled
<b>Performance Testing</b>	Evaluates system speed, responsiveness, and stability under load (e.g., bulk inventory updates)