**Project Design Phase-II**  
**Solution Requirements**   
**Project Name:** Garage Management System

**Team ID**: LTVIP2025TMID31528

College Name: Ideal Institute Of Technology

### **Functional Requirements**

Following are the functional requirements of the proposed Garage Management System solution.

| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| --- | --- | --- |
| FR-1 | User Registration | Registration through Web Form |
|  |  | Registration using Gmail login |
|  |  | Registration via Mobile Number (OTP) |
| FR-2 | User Confirmation | Confirmation via Email |
|  |  | Confirmation via OTP to registered mobile |
| FR-3 | Service Booking | Customers can book service from portal |
|  |  | Admin assigns job to available mechanic |
| FR-4 | Service Tracking & History | Track status of current and past services |
|  |  | View service history reports |
| FR-5 | Invoice Generation | Auto-generate bills after service completion |
| FR-6 | Spare Parts Inventory Management | Add, update, and track spare parts stock |
| FR-7 | Notifications | Send automated reminders via SMS or Email |

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### **Non-Functional Requirements**

Following are the non-functional requirements of the proposed Garage Management System.

| **NFR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | Usability | Easy-to-use interface for both customers and garage staff |
| NFR-2 | Security | Role-based access, encrypted data, and secure login |
| NFR-3 | Reliability | System is stable and ensures correct record-keeping |
| NFR-4 | Performance | Fast data processing, quick form submissions, and minimal response time |
| NFR-5 | Availability | Application hosted on Salesforce cloud for high availability |
| NFR-6 | Scalability | Can handle increased users and services as garage business grows |

**Note:** Screenshots attached

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