**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

| Date | 27 June 2025 |
| --- | --- |
| Team ID | LTVIP2025TMID56990 |
| Project Name | Shopsmart |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| --- | --- | --- |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User management | User Login/logout  Profile management  Password management |
| FR-4 | Product catalog & Shopping | Product Browse  Product Search  Shopping Cart |
| FR-5 | Order management | Checkout Process  Order History  Order Tracking |
| FR-6 | Payment & Checkout | Multiple Payment options  Secure Payment Gateway  Payment Confirmation |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | The design should be clean,simple,and easy to navigate for all users |
| NFR-2 | **Security** | User data must be encrypted and stored securely |
| NFR-3 | **Reliability** | The system should be highly available, aiming for an uptime of 99.9% or more |
| NFR-4 | **Performance** | The website should load quickly and respond to user actions without significant delay |
| NFR-5 | **Availability** | A robust backup and recovery plan to restore the system in case of a major failure |
| NFR-6 | **Scalability** | The system should be able to handle a growing number of users, products, and orders without performance degradation. |