**Project Design Phase-II**

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

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| **Date** | **24 June 2025** |
| **Team ID** | **LTVIP2025TMID24654** |
| **Project Name** | **Shopez : one-stop shop for online purchases** |
| **Mentor Name** | **Dr Shaik Salma Begam** |
| **Maximum Marks** | **4 Marks** |

**Functional Requirements**

Following are the functional requirements of the proposed solution.

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| 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 | Product Browsing & Search | Browse by Category  Search Products  Filter by Price, Category, Rating |
| FR-4 | Cart & Order Management | Add/Remove Products to/from Cart Update Quantity  Place Order  View Order History |
| FR-5 | Admin Management | Add/Edit/Delete Products  Manage Users  View All Orders  Manage Banners |

**Non-functional Requirements**

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

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| FR No. | Non-Functional Requirement | Description |
| NFR-1 | Usability | The platform should be intuitive and easy to use for all user types, with a clean and responsive UI. |
| NFR-2 | Security | All user data and transactions must be protected using encryption, secure authentication, and authorization. |
| NFR-3 | Reliability | The system should be robust, with minimal downtime and reliable order processing. |
| NFR-4 | Performance | Pages and APIs should load quickly, even under high user load. |
| NFR-5 | Availability | The platform should be accessible 24/7 with high uptime. |
| NFR-6 | Scalability | The solution should support growth in users, products, and transactions without performance loss. |