

## Project Design Phase-II

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

<b>Date</b>	19 February 2026
<b>Team ID</b>	LTVIP2026TMIDS80463
<b>Project Name</b>	ShopEZ:One-Stop Shop for Online Purchases
<b>Maximum Marks</b>	4 Marks

## ShopEZ-Functional Requirements

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	<ul style="list-style-type: none"> <li>- Registration through Form</li> <li>- Registration through Gmail</li> <li>- Registration through LinkedIn</li> </ul>
FR-2	User Confirmation	<ul style="list-style-type: none"> <li>- Confirmation via Email</li> <li>- Confirmation via OTP</li> </ul>
FR-3	User Login	<ul style="list-style-type: none"> <li>- Login via Email &amp; Password</li> <li>- Login via Gmail</li> <li>- Login via Facebook</li> </ul>
FR-4	Product Browsing & Search	<ul style="list-style-type: none"> <li>- View product listings</li> <li>- Filter by category , price, rating</li> <li>- Search by keyword</li> </ul>

## ShopEZ – Non-Functional Requirements

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application should offer an intuitive and user-friendly interface across mobile and web platforms.
NFR-2	Security	All user data must be encrypted in transit and at rest. The system should support secure authentication and
NFR-3	Reliability	The system should operate without failure for 99.9% of the time and recover gracefully from unexpected issues.
NFR-4	Performance	Pages should load within 2 seconds under normal load and within 4 seconds under peak load.
NFR-5	Availability	The application should be accessible 24/7 with minimal downtime, especially during peak shopping hours.