Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	28 july 2025
Team ID	PNT2025TMID14651
Project Name	ShopEZ: E-commerce Application
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	Browsing Product	Search products by category view product details filter and sort products
FR-4	Cart Management	Add items to cart update quantity Remove items from cart
FR-5	Checkout	Enter shipping details choose payment method apply discount codes
FR-6	Order Tracking	View order status Track shipment

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Easy-to-use interface for customers to browse and purchase products
NFR-2	**Security**	Secure authentication,data encryption,and payment processing
NFR-3	**Reliability**	System should be operational 99% of the time without failures
NFR-4	**Performance**	Pages should load within 3 seconds under normal load
NFR-5	**Availability**	Service should be available 24/7 to customers worldwide
NFR-6	**Scalability**	System should handle increasing users and transactions without performance issues