

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

Date	31 January 2025
Team ID	LTVIP2026TMIDS47501
Project Name	Strategic Product Placement Analysis
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 Authentication	Secure Login using Email & Password Forgot Password Recovery Role-based Access Control
FR-4	Dashboard Access	View Interactive Sales Dashboard Apply Filters (Product, Season, Promotion, Pricing) Download Reports (PDF/Excel)
FR-5	Data Analysis Module	Product Placement Analysis Competitor Price Comparison Promotion Effectiveness Evaluation Seasonal Trend Analysis
FR-6	Contact & Feedback	Submit Contact Form Send Queries to Admin
FR-7	Admin Module	Manage Users Update Dataset Monitor System Logs

### **Non-functional Requirements:**

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

<b>FR No.</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
NFR-1	<b>Usability</b>	The system shall provide an intuitive and user-friendly interface with easy navigation and responsive design.
NFR-2	<b>Security</b>	The system shall ensure data encryption, secure authentication, role-based authorization, and protection against unauthorized access.
NFR-3	<b>Reliability</b>	The system shall provide consistent performance with minimal downtime and accurate analytical outputs.
NFR-4	<b>Performance</b>	Dashboard response time shall be less than 3 seconds under normal load conditions.
NFR-5	<b>Availability</b>	The system shall maintain 99% uptime and be accessible through web browsers across devices.
NFR-6	<b>Scalability</b>	The architecture shall support increasing users and large datasets without performance degradation.