

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

Date	20 feb 2026
Team ID	LTVIP2026TMIDS37686
Project Name	irevolution: a data-driven exploration of apple's iphone impact in india using tableau
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 Login & Authentication	- Login using Email & Password - Login via Gmail - Login via LinkedIn - Forgot Password - Reset Password
FR-4	User Profile Management	- View Profile - Edit Profile Information - Upload Profile Picture - Change Password
FR-5	Dashboard / Home Page	Personalized Dashboard View - View Notifications - Search Functionality
FR-6	Logout & Session Management	- Secure Logout - Auto Session Timeout - Multi-device Session Handling

**Non Functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The system must have an intuitive UI, responsive design, and e
NFR-2	<b>Security</b>	Data must be encrypted (HTTPS/SSL). Passwords must be hashed. Support for OTP and secure authentication mechanisms. Protection against SQL injection, XSS, and CSRF attacks.

NFR-3	<b>Reliability</b>	The system should handle errors gracefully and maintain data integrity with minimal system failures.
NFR-4	<b>Performance</b>	Pages should load within 2–3 seconds under normal load. System should handle concurrent users efficiently.
NFR-5	<b>Availability</b>	The system should have at least 99% uptime with proper backup and disaster recovery mechanisms.
NFR-6	<b>Scalability</b>	The system should support increasing numbers of users without performance degradation and allow horizontal/vertical scaling.