

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

Date	31 January 2026
Team ID	LTVIP2026TMIDS62212
Project Name	Deep-Learning-Fundus-Image-Analysis-for-Early-Detection-of-Diabetic-Retinopathy
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		
FR-4		

**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 should provide a simple and user-friendly interface. Users must be able to upload images and view results easily without technical knowledge.
NFR-2	<b>Security</b>	The system must protect patient data and medical images using secure authentication and encrypted communication. Unauthorized access should be prevented.
NFR-3	<b>Reliability</b>	The system should function consistently without crashes or errors. It must provide accurate results and handle unexpected inputs properly.
NFR-4	<b>Performance</b>	The system should process images and generate predictions within a few seconds. It must efficiently use system resources for smooth operation.
NFR-5	<b>Availability</b>	The system should be accessible whenever users need it, with minimal downtime. It should maintain continuous operation.
NFR-6	<b>Scalability</b>	The system should handle increasing numbers of users and image uploads without performance issues. It must support future expansion and upgrades.