

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

Date	03 October 2022
Team ID	PNT2022TMID02274
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
FR-2	User Confirmation	Confirmation via Email
FR-3	User Information	Enter user details. The image of the user must be uploaded as well
FR-4	User Input	Upload the user's retinal scan
FR-5	Results	Output is displayed in text area and option to download the report in .pdf format is available

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	This environment is user friendly,easily accessible and intuitive for people of all age groups
NFR-2	<b>Security</b>	The user's details and reports are stored and maintained securely for later retrieval
NFR-3	<b>Reliability</b>	Even if the system fails the downtime is super low so the system recovers quickly
NFR-4	<b>Performance</b>	The processing time of the web application (I.e time taken to enter the details and fetch results) is low
NFR-5	<b>Availability</b>	It is available around the clock 24x7
NFR-6	<b>Scalability</b>	The app should be capable of being expanded to a larger user base and still function the way it is intended to be