

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

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Team ID	PNT2022TMID36688
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy

A Functional Requirement (FR) is a description of the service that the software must offer.

Non-Functional Requirements are the constraints or the requirements imposed on the system.

**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	Register the user with their user name and user mail id
FR-2	User Confirmation	Confirmation via Email where OTP is sent to e-mail
FR-3	Phone number registration	User is asked to register their phone number for future purposes and registration confirmation message.
FR-4	Image Uploading	Upload the diagnosed image to the webpage to predict the result
FR-5	Session Management	Users can login and logout from their current session

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Difference between the normal eye and diabetic retinopathy eye.
NFR-2	<b>Security</b>	Email verification security is maintained.
NFR-3	<b>Reliability</b>	Logged in details will be sent to the phone number
NFR-4	<b>Performance</b>	Fast prediction of the result required
NFR-5	<b>Availability</b>	Accessible webpage from any device
NFR-6	<b>Scalability</b>	Flexible to add new modules to increase productivity