

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

Date	11 October 2022
Team ID	PNT2022TMID17830
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
Maximum Marks	4 Marks

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	Usability	Difference between the normal eye and diabetic retinopathy eye.
NFR-2	Security	Email verification security is maintained.
NFR-3	Reliability	Logged in details will be sent to the phone number
NFR-4	Performance	Fast prediction of the result required
NFR-5	Availability	Accessible webpage from any device
NFR-6	Scalability	Flexible to add new modules to increase productivity