

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

Date	15 October 2022
Team ID	PNT2022TMID42855
Project Name	Project – Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Uploading Image	Uploading image by taking selfie or by accessing the camera album.
FR-2	Get Verification	Get verification code from mail.
FR-3	Collect Data	Collect data from various sources for training model , by accessing the data.
FR-4	Create Samples	Creating samples from the data collected and train the module according to the information from the user.
FR-5	Conclusion Report	After analysis a conclusion report is generated to the user.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The specific product should be easily usable to each and every user all around the world.
NFR-2	Security	Security of the users plays a very important role and the specific product should satisfy it.
NFR-3	Reliability	The specific product must be totally trusted by the user .
NFR-4	Performance	The performance of the product plays a very important role. It determines the satisfaction of the user.
NFR-5	Availability	The product should be easily available in the market.
NFR-6	Scalability	The product should be small and compact in size, in that case it can be easily carried by the user.