

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

Date	20 October 2022
Team ID	PNT2022TMID50773
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	Datasets	For training the model, the most accurate real time datasets are required
FR-2	Camera	For getting real time images for testing the model
FR-3	Cloud Storage	For storing the required images and programming

**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 user can easily upload their images for processing
NFR-2	<b>Security</b>	This will protect the user data like their eye images and their results
NFR-3	<b>Reliability</b>	It will process the images more quickly, so that we can process the more number of images within the limited time
NFR-4	<b>Performance</b>	This will give more than 98% accuracy
NFR-5	<b>Availability</b>	This will be available in low cost, so that we can implement in many places
NFR-6	<b>Scalability</b>	It will be enhances for other diseases also