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

Date	03 October 2022
Team ID	PNT2022TMID08044
Project Name	Project - Deep Learning Fundus Image Analysis for Early Detection of Diabetes 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 Application
FR-2	Patient Registration	Confirmation via any of their ID proof and the information provided in the hospital
FR-3	Collecting the data of the patient-1	The data of the patient can be entered in the application to stored it in the database for future reference
FR-4	Collecting the data of the patient-2	The user data which is considered to be scanning or detecting the diabetes retinopathy can be collected and analysed by the model that is being trained .

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	It is easier for the user to operate the product with the available information by the user.
NFR-2	**Security**	It is used only by the authenticated user where the login credentials are given to access and use the product, here the sensitive information can be accessed only by the authorized user.
NFR-3	**Reliability**	The product will be maintained and tested for the faults and errors that is being occurred , so the performance of the product can be increased with higher efficiency.
NFR-4	**Performance**	It will be easier and efficient to use the product with light availability knowledge by the user and the performance is stated with accurate measurement.
NFR-5	**Availability**	The availability of the product can be in the places of medical availability and assistance for the patient suffering from Diabetes retinopathy

| NFR-6 | **Scalability** | The usage of the product can be available to use at a maximum inputs at same time where the patients samples can be collected at different phases which is from different patient |