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

Date	03 October 2022
Team ID	PNT2022TMID22791
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	User Registration	Registration through Form and it can also through by email and phone number
FR-2	User Confirmation	Confirmation via message and phone call via register phone number
FR-3	Early detection	The early detection is possible through ANN algorithm
FR-4	Show infected area	The infected area is detected using the deep learning and artificial intelligence

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Early detection of diabetic through these advance technology
NFR-2	**Security**	The data collected from the user is stored in secured manner but not for the longer time
NFR-3	**Reliability**	The user can trust the result and used for future
NFR-4	**Performance**	Accurate results can be achieved due to the multiple image processing of both the eye
NFR-5	**Availability**	Vision threatening diabetic retinopathy the deep learning system had an accurately
NFR-6	**Scalability**	This techniques can be used for early detection of eye diabetic problem