PROJECT DESIGN PHASE-II

SYSTEM REQUIREMENTS

Date	06.11.2022
Team Id	PNT2022TMID38219
Project Name	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 Requirements (Epic)	Sub requirements(story/sub-task)
FR-1	Patient-Provider Interaction	The email system will allow for a two-way interaction where either the physicians or the

		patients can voice questions, concerns, or sudden emergencies in need of being addressed.
FR-2	Provider Outreach	This requires the provider to have sufficient data on interests of patient populations that share similar characteristics
FR-3	Health information and data	An important resource for greater specificity in functionality is the Health Level Seven (HL7) EHR-System Functional Model and Standard List of Functional Statements.
FR-4	Electronic communication and connectivity	The interaction between the laser and the patient is electronically modified and it provides good result.
FR-5	E-medical application	Ability to track targets set by diabetologist and dietician nutritionists and diabetologists through the Integrated Diabetic E-Medical Medical File.
FR-6	Electronic integrated	Possibility to select goals from a nutritionist, immediate information through the Medical Electronic Integrated Care Diabetic File.

NON-FUNCTIONAL REQUIREMENTS:

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

FR. No	Non-Functional Requirements	Description
NFR-1	Usability	It is easy to use for the HCPs
NFR-2	Security	It is well secured
NFR-3	Reliability	some cases laser may fail.
NFR-4	Performance	High performance. It can detect the retina conditions accurately.
NFR-5	Availability	It gives proper diabetic results of the patient.
NFR-6	Scalability	It is non-scalable in some condition. it may give wrong result.