Project Design Phase-II

Solution Requirements (Functional &Non-functional)

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| Date | 23-10-2022 |
| Team ID | PNT2022TMID34081 |
| 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.

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| 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 dieticians 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.

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| FR.No | Non-Functional Reqirements | 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 fails |
| 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 gives wrong result. |