**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 12 October 2022 |
| Team ID | IBM-Project-10558-1659186640 |
| 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 Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | Upload image | Upload images from gallery in varying formats  Take picture using camera access |
| FR-2 | Get diagnosis | Get diagnosis on application  Download the diagnosis in pdf |
| FR-3 | Collect data | Collect data from various sources for training model |
| FR-4 | Create model | Create a model to predict  Train the model using the data collected |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The product must be easily usable by any type of users |
| NFR-2 | **Security** | The product must secure user data and their diagnosis |
| NFR-3 | **Reliability** | The product must diagnose with decent amount of accuracy |
| NFR-4 | **Performance** | The product must be able to give the diagnosis in a short amount of time |
| NFR-5 | **Availability** | The product must be available to all kinds of users |
| NFR-6 | **Scalability** | The product must hold stable even when multiple users are using it at the same times |