**Project Design Phase-II**

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

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| Date | 12 May 2023 |
| Team ID | NM2023TMID13766 |
| Project Name | IOT based Weather Adaptive street lighting system |
| 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 | User Registration | Registration through Form  Registration through Gmail  Registration through Name |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP  Confirmation via Call |
| FR-3 | Completion the profile | Fill the Name  Fil the Age  Fil the Gender  Fill the Eye problem |
| FR-4 | Continue with | 10 Image Detection free trial  Continue with membership |
| FR-5 | Upload the Images of Affected Eye | Upload the affected eye images in our app |
| FR-6 | Image Processing | AI is detect and identify the eye problem wait for few minutes |
| FR-7 | Report generation | Free version of report-  Disease name  Details about disease |

**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** | Available in all languages around in India |
| NFR-2 | **Security** | User data bases are encrypted in our own data centre |
| NFR-3 | **Reliability** | Frequently gives update to resolve the bug in our App |
| NFR-4 | **Performance** | Users can access the App whenever internet speed is low |
| NFR-5 | **Availability** | We can fulfil the requirements of user experience |
| NFR-6 | **Scalability** | Our App traffic limit must be 500000 users at a time |