**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 16 November 2022 |
| Team ID | PNT2022TMID37911 |
| Project Name | Project - AI - Based localisation and Classification of Skin disease with Erythema |
| 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  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User Details | Get user Name Get user Age  Get user GenderGet user AddressGet user Location  Get user Mobile Number  Get user Gmail id |
| FR-4 | User(patient)Test Report Details | Get user Name  Get user Age  Get user Gender  Get user Total Proteins and Vitamins  Get user body health condition  Get user Texture and shape of the skin Lesion  Get user Moisturizing content of the skin |
| FR -5 | User Known value (Accurate/Approximate) | Get user BP level  Get user sugar levelGet user Physical Health ConditionGet user Disorder / Disabilities detail |
| FR -6 | User Demand | After Getting the Result, the Affected person need to consult a Doctor.The Non-Affected person need some medication which will show in same web application itself |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | These requirements focus on the appearance of the user interface and how people interact with it. They should describe colors,image size, etc. |
| NFR-2 | **Security** | Set the security requirements both for the physical installation and from the cybersecurity perspective. |
| NFR-3 | **Reliability** | Our web application have high accuracy which can be utilized multiple times |
| NFR-4 | **Performance** | Determine how fast the system needs to operate. |
| NFR-5 | **Availability** | Our web application can be used by using BothMobile phones and Computers itself. |
| NFR-6 | **Scalability** | Our web application can be used by world wide with easy to access it. Most accuracy will be predicted. |