## Project Design Phase-II
## Solution Requirements (Functional & Non-functional)

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|---|---|
| Date | 02 November 2022 |
| Team ID | PNT2022TMID03996 |
| Project Name | AI-based localization and classification of skin disease with erythema |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

The functional requirements of the proposed solution are given below.

| FR No. | Functional Requirement | Sub Requirement |
|---|---|---|
| FR-1 | User Registration | User can register through Google account<br>User can register through Mobile number |
| FR-2 | User Confirmation | Confirmation via Email<br>Confirmation via OTP |
| FR-3 | Pre Image Capturing Process | Enable to capture image through camera<br>Enable to upload Image through gallery |
| FR-4 | Image Capturing process | Images of the allergy in skin are captured and uploaded.<br>The uploaded image is compared with the predefined datasets. |
| FR-5 | Solution | Identifies the skin disease and shows up with a confidence percentage. |

| FR-6 | Suggestion Box | Patients can take suggestions from the Doctors through chats. |
|------|----------------|---------------------------------------------------------------|

**Non-functional Requirements:**

The non-functional requirements of the proposed solution are given below.

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|-------------|
| NFR-1 | **Usability** | The application is user-friendly, effective and efficient to access and use. |
| NFR-2 | **Security** | The data is protected against unauthorized access and it is safer. |
| NFR-3 | **Reliability** | Simple app that provides responses to your queries about skin issues. |
| NFR-4 | **Performance** | The performance level of the app provides an accurate confidence level and the response time is fast. |
| NFR-5 | **Availability** | With the aid of the app, users may check their skin problems and get an appointment with a doctor. |
| NFR-6 | **Scalability** | The app provides users with evidence-based dermatologist approved health information and insights on skin related problems. |