

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

| | |
|---------------|---|
| Date | 15 October 2022 |
| Team ID | PNT2022TMID43452 |
| Project Name | AI-based localization 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 Mobile Number Registration through Google Account Registration through Facebook |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via Call Confirmation via OTP |
| FR-3 | Patient Image Capturing Process | Provide Access to Capture Image Through Camera Provide Access to Upload Image Through Gallery |
| FR-4 | Patient Medicine Reminder | Remind the Patients to take their Medicines/ointments At right time through remaindering alarm. |
| FR-5 | Suggestion Box | Patients can take suggestions from the Doctors through Chats. |
| FR-6 | Flareup Cycles | Patients can know their medicine level from doctors Through message. |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|---------------|-----------------------------------|--|
| NFR-1 | Usability | Our Mobile phone application designed to improve the quality of patient-held photos, and was developed to generate and hold their own skin images to help guide their skin care. |
| NFR-2 | Security | Data privacy and security practices may vary based on users and their age |
| NFR-3 | Reliability | Easy to use app to get personalized answers to your skin conditions questions. |
| NFR-4 | Performance | Good treatments are available for a variety of skin conditions including rash, itchy skin, skin fungus etc. |
| NFR-5 | Availability | Our app helps you to screen your skin symptoms and prepare for your practitioner visit. |
| NFR-6 | Scalability | The app gives users evidence-based dermatologist approved health information insights on diseases affecting various parts of our body. |