

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

|                      |   |
|----------------------|---|
| <b>Date</b>          | <b>17 October 2022</b>  |
| <b>Team ID</b>       | <b>PNT2022TMID03871</b>   |
| <b>Project Name</b>  | <b>AI-based localization and classification of skin disease with erythema</b> |
| <b>Maximum Marks</b> | <b>4 Marks</b>  |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| <b>FR No.</b> | <b>Functional Requirement (Epic)</b> | <b>Sub Requirement (Story / Sub-Task)</b>  |
|---------------|--------------------------------------|--|
| <b>FR-1</b>   | <b>User Registration</b>             | <b>Registration through Form,Gmail,LinkedIN</b>                                  |
| <b>FR-2</b>   | <b>User Confirmation</b>             | <b>Confirmation via Email,OTP</b>  |
| <b>FR-3</b>   | <b>User Profile</b>                  | User will provide their medical details and save in the system                   |
| <b>FR-4</b>   | <b>Input</b>                         | User capture the skin which is affected or upload the taken image as jpeg format |
| <b>FR-5</b>   | <b>Output Analysis</b>               | Uploaded images is compared with the pre-defined Model and solution is generated |
| <b>FR-6</b>   | <b>Provides Description</b>          | Gives detailed description of type of the skin disease affected                  |

**Non-functional Requirements:**

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

| <b>FR No.</b> | <b>Non-Functional Requirement</b> | <b>Description</b>  |
|---------------|-----------------------------------|---|
| <b>NFR-1</b>  | <b>Usability</b>                  | Used to classify skin disease with erythema   |
| <b>NFR-2</b>  | <b>Security</b>                   | It offers greater security and prevents unauthorized users to access the data                 |
| <b>NFR-3</b>  | <b>Reliability</b>                | Even with more users, there will be a good performance without failure                        |
| <b>NFR-4</b>  | <b>Performance</b>                | Performance is very high and it provides result with high accuracy and precision.             |
| <b>NFR-5</b>  | <b>Availability</b>               | With a good system, all authorised users can access and view the medical reports of patients. |
| <b>NFR-6</b>  | <b>Scalability</b>                | Performance will be good even with high user traffic.   |