

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

Date	03 October 2022
Team ID	PNT2022TMID03793
Project Name	AI BASED LOCALIZATION AND CLASSIFICATION OF SKIN DISEASE WITH SKIN 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 Interface	Login form
FR-4	Image processing	Yolo model and convolutional neural network use deep learning. Identifies an object in a picture.
FR-5	Accessing cloud services	Submit the information to the Cloudant database. Obtain the information that the user needs

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Anyone with access to the application can utilise it. Understanding of the internet and computers
NFR-2	<b>Security</b>	User safety is enabled for security through two-factor authentication.
NFR-3	<b>Reliability</b>	Since it makes use of reputable cloud providers like IBM, it is quite trustworthy.
NFR-4	<b>Performance</b>	Performance is superior than those of other applications and market goods.
NFR-5	<b>Availability</b>	Accessible via the play store and usable on all devices.
NFR-6	<b>Scalability</b>	Utilizing cloud services increases scalability.