

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

Date	03 October 2022
Team ID	PNT2022TMID41247
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	Processing the image	Uses deep learning for yolo model and convolutional neural network . Recognizes object in an image.
FR-5	Access Cloud services	Store the details in the cloudant database Retrieve the needed information for user

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Application can be used by anyone who has knowledge about internet and computer
NFR-2	<b>Security</b>	For security knowledge factor authentication is enabled for user safety
NFR-3	<b>Reliability</b>	Highly reliable since it uses trusted cloud services like IBM
NFR-4	<b>Performance</b>	Performance is better when compared with other applications and market products
NFR-5	<b>Availability</b>	Available on all devices and can be downloaded from play store
NFR-6	<b>Scalability</b>	Using cloud services makes the scalability a higher one