

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

Date	03 October 2022
Team ID	PNT2022TMID32661
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 Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Processing image	Uses deep learning for yolo model and convolutional neural network Recognizes objects in an image
FR-4	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	Usability	Application can be used by anyone who has knowledge about internet and computer
NFR-2	Security	For security knowledge factor authentication is enabled for user safety
NFR-3	Reliability	Highly reliable since it uses trusted cloud services like IBM
NFR-4	Performance	Performance is better when compared with other applications and market products
NFR-5	Availability	Available on all devices and can be downloaded from play store
NFR-6	Scalability	Using cloud services makes the scalability a higher one