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

Date	14 October 2022
Team ID	PNT2022TMID07004
Project Name	Project - 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	Building block	● Build HTML pages for Registration, login, home, prediction and log out. ● A real time object detection algorithm- YOLOV3 will be used. ● OpenCV used to perform image processing and computer vision tasks.
FR-2	User Registration	● Register using email and password ● Registration is possible in mobiles, laptops and desktops.
FR-3	User Confirmation	● Confirmation through email. ● Confirmation through OTP.
FR-4	User Interface	● User login form. ● Admin login form.
FR-5	Database	● Collect 50 images for each skin disease type ● Annotate images using VOTT ● Convert the annotated images to csv and train the yolo
FR-6	Server	● Data Server has been installed to run as a service and is deployed in IBM cloud instances.