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

Date	15 October 2022
Team ID	PNT2022TMID26285
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	User Registration	Registration through mail Registration through Mobile Number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Verification	Verification through CAPTCHA Verification through I'm not a robot.
FR-4	User Authentication	Recognition of correct person Resending the code in case of forgot password.
FR-5	User skin detection	scanning user's skin using YOLO and and a proper scanner and finding the kind of erythema the patient is affected by.
FR-6	User Submission	submitting the user details and scanned skin to the website to detect and provide the concerned solution.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	YOLO algorithm (You Only Look Once) is used to detect the user affected skin region -wise and precisely predict the kind of erythema the user is suffering from.
NFR-2	**Security**	When we deal with medical grounds, we should provide more security services. There shouldn't be

		any errors, lagging , base of data of a patient profile, while working on the website.
NFR-3	**Reliability**	Reliability is said to be the measure of stability or consistency of skin results shown in the website. performance one in the field of accuracy.
NFR-4	**Performance**	The performance should be fast relaying. This prediction system should be made available in cloud as well for more efficiency.

NFR-5	**Availability**	The Availability of getting used to this website is through by accessing IBM cognos Analytics and IBM cloud.