

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	09 November 2022
Team ID	PNT2022TMID18710
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 Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Profile	User will provide their medical details and save in the system
FR-4	Input	User capture the skin which is affected or upload the taken image as jpeg format
FR-5	Output Analysis	Image will be processed through YOLO and other trained model
FR-6	Provides Description	Gives detailed description of type of the skin disease affected

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Used to classify skin disease with erythema
NFR-2	Security	It offers greater security and prevents unauthorized users to access the data.
NFR-3	Reliability	Even with more users, there will be a good performance without failure.
NFR-4	Performance	Performance is very high and it provides result with high accuracy and precision.
NFR-5	Availability	With a good system, all authorized users can access and view the medical reports of patients.
NFR-6	Scalability	Performance will be good even with high user traffic.