

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

Date	03 October 2022
Team ID	PNT2022TMID00195
Project Name	Project – A Gesture-based Tool for Sterile Browsing of Radiology Images
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	User Authentication	Verify the user.
FR-4	Provide hand gesture images or videos	Give input to the application to predict the hand gesture.
FR-5	Detection of Hand Gesture	The prediction based on the input to the pre-trained model.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application is user friendly.
NFR-2	Security	Data is secured and confidential.
NFR-3	Reliability	Prevents the model being overfitted.
NFR-4	Performance	Detection of the hand gesture is accurate.
NFR-5	Availability	Deployed in cloud, so it is accessible.
NFR-6	Scalability	Application performs seamlessly under increased traffic and workload.