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

Date	23 October 2022
Team ID	PNT2022TMID10032
Project Name	A Gesture based tool for sterile browsing of Radiology images.
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User friendly as the instructions are displayed to the user when they enter the home page. The page will load in a short duration.
NFR-2	**Security**	The user can only login with their user ID and password. The data will be protected from the unauthorized user.
NFR-3	**Reliability**	The application will perform up to 80% without failure (in predicting the gesture).

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 Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	User Sign up	Sign up using Gmail, user ID and password
FR-4	User Login	Login using user ID and password
FR-5	User input	Setting unique hand gestures for easy and nonverbal communication

FR-6	User application	Input during usage of application to analyse the image via gestures

Non-functional Requirements:

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

NFR-4	**Performance**	The application will respond within short duration provided the reasonable network speed.
NFR-5	**Availability**	The application will be available as a web page. Like other websites this can be accessed with the domain name. This is available as free service.
NFR-6	**Scalability**	The application can be able to support the workload provided by the user to resize the image to their convenience. By adding few more gesturing for manipulation the MRI images which are most essential for sterile browsing by doctors.