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

Date	09 October 2022
Team ID	PNT2022TMID28899
Project Name	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	Launching the model	Launch the trained CNN model from the cloud
FR-2	Capturing the images	The photographs must be uploaded into the system after being captured in camera.
FR-3	Performing gestures	After categorizing, use the gesture to determine which image is accurate, and then carry out the procedure.
FR-4	Model rendering	The algorithm will begin processing the image after it has been captured.
FR-5	Sterile browsing	After recognizing the motions, the sterile browsing may be carried out.
FR-6	Visibility of images	A user can see the images after completing the process.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	This system helps to control the image Prevents hazardous rays and is easy to use without direct contact with the system.
NFR-2	Security	The system is secure and can only be accessed by authorized users.
NFR-3	Reliability	Once the application is installed, the system predicts the action and provides sterile navigation.
NFR-4	Performance	The system responds to a user within seconds and the hardware and software function well.
NFR-5	Availability	An authorized user can access it anytime there is an emergency from anywhere and at any time.
NFR-6	Scalability	This technology supports a greater number of concurrent users without any discernible loss.