

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

Date	15 October 2022
Team ID	PNT2022TMID01529
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	Image upload by the user	Open the web page in google chrome and upload the image which is need to access.
FR-2	open the image	Once the image is uploaded, then the image is opened.
FR-3	Turn on the camera	The camera will turn on automatically and start to recognize the hand gesture.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It is easy to use.
NFR-2	Security	It identify the gesture action only when the hand is infront of the camera.
NFR-3	Reliability	It can identify the hand gesture actions and response fastly.
NFR-4	Performance	Rapid response to the gesture actions.
NFR-5	Availability	It is used to reduce the possibility of spreading infections, avoid the delay and the focus of doctors on surgery is improved.
NFR-6	Scalability	It can be used in any environment and able to identify the gesture actions in both bright and dim background. It can recognize the gesture action upto 5 meters distance between the camera and person.