

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

Date	03 October 2022
Team ID	PNT2022TMID22258
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	Identifying the gestures	The gestures can be identified that are captured by camera taken as input.
FR-2	Performance task	After capturing the images, it performs the task as we deployed in a cloud.
FR-3	Model rendering	This model is to perform the task based on the CNN algorithm after the images is captured.
FR-4	External interfaces	Camera, Ethernet, wi-fi along with user interface.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	This model uses to control the images over hand sign without the direct contact between system and user and avoids to control infection.
NFR-2	<b>Security</b>	This system is protected only accessible by the approved users and cannot access by unauthorized users.
NFR-3	<b>Reliability</b>	We can do many things while using this software. Can communicate easily. More reliable to use. Predict the gesture images and perform the task.
NFR-4	<b>Performance</b>	This tool will respond to a user within a milliseconds or 4-5 seconds.
NFR-5	<b>Availability</b>	We can access this tool from anywhere by authorized user and available to all healthcare during working hours.
NFR-6	<b>Scalability</b>	This model can be used by over millions of users at a time and performance well.