

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

Date	20 October 2022
Team ID	PNT2022TMID03631
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	Rotate	We can rotate radiology images according to user's requirements.
FR-2	Resize	Abel to resize the images according to user's requirements.
FR-3	Zoom-in and zoom-out	Can zoom-in and zoom-out using particular hand gestures.
FR-4	Concentrate on image	Abel to concentrate on a single part of the image.
FR-5	Filtering	Removing unwanted objects other than hand gestures.

**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 system is used by doctors during surgeries to manipulate radiology images.
NFR-2	<b>Security</b>	It is very secure since it requires pre-processed hand gestures to use the system.
NFR-3	<b>Reliability</b>	Tool entirely depends up on hand gestures.
NFR-4	<b>Performance</b>	This tool can comprehend combinations of gestures and also fight lag.
NFR-5	<b>Availability</b>	Many hospitals use this tool in their operation theatres.
NFR-6	<b>Scalability</b>	Scalable to support future developments and able to add new gestures, recognition features to the systems.