

## PROJECT DESIGN PHASE II

### SOLUTION REQUIREMENTS

TEAM ID:PNT2022TMID48554

PROJECT NAME: GESTURE BASED TOOL FOR STERILE BROWSING OF RADIOLOGICAL IMAGES

#### FUNCTIONAL REQUIREMENTS:

Following are the functional requirements of the proposed solution

FR NO	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Register through authority ID Register through mail account
FR-2	User Confirmation	Confirm using password
FR-3	User data storage	uploads radiological images
FR-4	Hand gesture recognition	Capture hand gesture of users Recognize the gesture to action to be performed
FR-5	Image Manipulation	Manipulation with respect to user hand gestures

#### Non-functional Requirements:

Following are the non-functional requirements of the proposed solution

NFR NO	NonFunctional Requirements	Description
NFR-1	Usability	User can give direct commands as gestures.
NFR-2	Security	The interface can be accessed only by authorized personnel Checks user ID for additional security purposes
NFR-3	Reliability	the accuracy of manipulation result can be acquired on quality of the image
NFR-4	Performance	Performance can be achieved by preventing the system from overloading data
NFR-5	Availability	Services should be made available within a short time after any upgrades
NFR-6	Scalability	Many users should be able to use the application at real time