

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

Date	03 October 2022
Team ID	PNT2022TMID42733
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	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Detect the Gestix	Detect the hand gestures and give the input through user interface to the system
FR-4	Predict the hand gestures	The system analyze the gestix and move that to cloud
FR-5	Image Prediction	The image is processed through DL Algorithm
FR-6	Recognized output	the output is display the monitor

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The purpose of this product is to predict the image or disease quickly
NFR-2	<b>Security</b>	it does not affect human body
NFR-3	<b>Reliability</b>	detect the hand gestures using deep learning so that the output is got with high accuracy
NFR-4	<b>Performance</b>	comparatively analyse accurately ,and also can be used for long time,consumes less power.
NFR-5	<b>Availability</b>	The rays from the x-ray would affect the human body but in our product it will not affect and it's flexible,it will be available in medical centers also
NFR-6	<b>Scalability</b>	It can be used for long hours

