

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

Date	15 October 2022
Team ID	PNT2022TMID29207
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	Launching the model	Launch from the cloud where it is deployed Launch offline by installation.
FR-2	Capturing the images	Capture Image via Camera. Upload images from local system.
FR-3	Performing gestures	Gestures should be captured correctly in the camera and proper gestures should be performed.
FR-4	Model rendering	When the user captures/uploads the gestures followed by a click on the submit button, the deep learning algorithm should starts its processing task.
FR-5	Sterile browsing	After recognizing the gestures, sterile browsing of images should be done properly.
FR-6	Displaying the images	The browsed images should be visible to the user.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system designed is user-friendly.
NFR-2	Security	The system is enforced with security mechanisms to avoid data theft.
NFR-3	Reliability	The system predicts the gestures and perform sterile browsing accurately and it produces improper results .
NFR-4	Performance	It handles the visitors with a handsome response time, it is scalable and the underlying hardware and software is perfect.
NFR-5	Availability	The system is available or accessible by an authorized user whenever it is needed. It is not influenced by Denial of Service and Loss of Data Processing Capabilities.
NFR-6	Scalability	The developed software model never downs the website due to an increase in website visitors.