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

Date	05 October 2022
Team ID	PNT2022TMID38982
Project Name	A gesture based tool for sterile browsing of radiology images

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	Image Capturing	Capture Image via Camera Upload images from local system
FR-3	Perform 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.