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

Team ID	PNT2022TMID16461
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	User Registration	Registration is done through the web application page to login.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Authentication	It is through password authentication protocols.
FR-4	Hand detection	Filtering of hand from image capturing device.
FR-5	Model rendering	When the user uploads the gesture, the algorithm should start processing its task.
FR-6	Reporting	If any issues are faced by the customer or user, it will be directly notified to the developer.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	It can be used for all users easily and also understandable for non- technical users to communicate with computer via hand sign.
NFR-2	**Security**	Accessible only in secure networks with administrative permissions, so there is less chance of security breach.
NFR-3	**Reliability**	Its operatable under all condition and also, we can communicate with computer.
NFR-4	**Performance**	The performance of the software is high because the speed and accuracy are high. It also upgrades the lifestyle of human beings controlling things via hand signs.
NFR-5	**Availability**	When the gesture is available then only the application works. This application is only available in surgery rooms.
NFR-6	**Scalability**	In future we can develop the vehicles that would being controlled by hand gestures.