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

Date	03 October 2022
Team ID	PNT2022TMID13061
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	Identifying User Gestures	The User gestures are identified using the images of gestures captured by the camera
FR-2	Deployment in Cloud	The Trained Deep Learning Model is deployed in cloud, which could be accessed anywhere around the world
FR-3	User interface	The user interface, which helps in the Human Computer Interaction is designed
FR-4	Gestures related to the Application Domain	The Model should be trained with the gestures related to the application domain.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The System design 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.