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

Date	21 October 2022
Team ID	PNT2022TMID29450
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 user interface which acts as an intermediate between the user and the DL Model which is deployed in the cloud
NFR-2	**Security**	The model deployed in the cloud should be accessible only by the approved users and it should be inaccessible by the attackers or the terrorists
NFR-3	**Reliability**	The tool or the system is 95% reliability for a year
NFR-4	**Performance**	The tool or the system should respond with the accurate response within 4-5 seconds
NFR-5	**Availability**	The model deployed in the cloud must be available to 99.8% of the people over a month during working hours

NFR-6	**Scalability**	The model deployed in the cloud must be accessible by over 10,00,000 people trying to access it using the user interface