

Project Design Phase-II
PNT2022TMID17973
Solution Requirements (Functional &
Non-functional)

Date	20 October 2022
Team ID	PNT2022TMID17973
Project Name	Project - A Gesture-based Tool for Sterile Browsing of Radiology
Maximum Marks	4 Marks

Functional Requirements:

S No.	Functional Requirement	Sub Requirement
1	Recognition of User Gestures	The photos of the user gestures that the camera has captured are used to identify the user gestures
2	Cloud deployment	The developed Deep Learning Model is made available in the cloud and may be accessed from anywhere in the world
3	User Interface	The user interface is designed to aid in human-computer interaction
4	Activations pertaining to the Application Domain	The application domain's gestures should be used to train the model

Non-functional Requirements:

S No.	Non-Functional Requirement	Description
1	Usability	The user interface that serves as a conduit between the user and the cloud-deployed DL Model
2	Security	The cloud-based paradigm should only be accessible to authorised users and should be inaccessible to attackers or terrorists
3	Reliability	For a year, the device or system has a 95% dependability rate
4	Performance	Within 4-5 seconds, the instrument or system should provide an accurate response
5	Availability	Over the course of a month, the cloud-based model must be accessible to 99.8% of users during business hours