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

Date	03 October 2022
Team ID	PNT2022TMID18569
Project Name	Project – A Gesture-based Tool for Sterile Browsing 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	Home Page	Displays home page.
FR-2	Introduction Page	Introduction about the hand gesture recognition.
FR-3	Prediction Page	Accept input from the user. Grab frames from the web cam. Predicts the values with the help of opencv.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Used in doctor-computer interaction devices in the operation room.
NFR-2	Security	The application will be password protected. User will have to enter the credentials in order to access the application.
NFR-3	Reliability	This application is a reliable product that produces fast and verified and output of all its processes.
NFR-4	Performance	This application enhances data security, eliminates human errors and increases decision making.
NFR-5	Availability	This application will be available to use and help them to carry out their operations conveniently.
NFR-6	Scalability	One of the approaches to make the gesture recognition system scalable is to make use of cloud-native methods.