Project Design Phase 2

Function Requirements (Functional & Non-functional)

Date	03November2022
Team ID	PNT2022TMID52128
Project Name	A Gesture-based Tool for Sterile Browsing of Radiology Images
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	User Experience	A UI/UX shall be designed to help users interact with the system by using hand gestures
FR-2	Cloud Deployment	Deploy the trained CNN on the cloud.
FR-3	Hand Gesture Identification	Classify the images of hand gestures captured by a camera
FR-4	Application Domain	The CNN used by the system shall be trained on data that is relevant to the application domain.

Non-functional Requirements:

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

NFR No	Non-Functional Requirement	Description
NFR-1	Usability	This software shall be easy to use for all users with minimal instructions
NFR-2	Security	The Application shall permit users to access the system who are able to use it
NFR-3	Reliability	The Application shall be in the operational mode for at least 5 months after it may be Updated.
NFR-4	Performance	It will be able to respond to a user gesture in few milliseconds or 3 seconds

| NFR-5 | Availability | The model shall be available for HealthCare use if it remains operational |
| NFR-6 | Scalability | The system shall be accessible to over thousands of concurrent users without any loss of performance |