Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 14 October 2022 |
| Team ID | PNT2022TMID37038 |
| Project Name | Project - 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.

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| **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.

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| **FR 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 |