**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

**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 | 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.

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| **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 |