**Project Design Phase-II**

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

|  |  |
| --- | --- |
| **DATE** | **19 October 2022** |
| **TEAM ID** | **PNT2022TMID17578** |
| **PROJECT NAME** | **A Gesture - Based Tool for Sterile Browsing of Radiology Ideations 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** | **User Registration** | Registration is done at the Registration and login page at Web application |
| **FR-2** | **User Confirmation** | Confirmation via Email Confirmation via OTP |
| **FR-3** | **Authentication** | Through Password authentication protocol |
| **FR-4** | **External Interfaces** | Microphone, Camera Ethernet, Wi-Fi and USB dongle to provide internet facilities |
| **FR-5** | **Reporting** | If any issues are faced by the customer or user, it will be directly notified to the developer. |
| **FR-6** | **Compliance to Rules or Laws** | Privacy policy, Terms and Conditions, End user agreement. |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| **NFR-1** | **Usability** | Can be used for many purposes some of them important are:   * Communicate with Computer via Hand   Sign   * Able to control IOT via Hand Sign |
| **NFR-2** | **Security** | It is a Web Application platform which is secured by “Encrypting the user data” |
| **NFR-3** | **Reliability** | With this software the users can do many things example:   * Surf on the internet * Communicate with Computer * Controlling IOTs |
| **NFR-4** | **Performance** | The Performance of the software is high because ● The speed and accuracy are high  ● It Upgrades the lifestyle of human beings by controlling things via hand signs. |
| **NFR-5** | **Availability** | The Demand for this technology is high cause with this:   * We can control over object * Able to use wave screen technology ● Able to control the cars etc.. |
| **NFR-6** | **Scalability** | In future we can develop the cars that would being controlled by hand gestures |