**Project Design Phase-II**

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

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| Date | 31 October 2022 |
| Team ID | PNT2022TMID46949 |
| Project Name | Classification of Arrhythmia By Using Deep learning With 2 –D ECG Spectral Image Representation |
| 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 Registration | Registration through Form  Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Create User | Create a new user group  Create a user with a password |
| FR-4 | Make User | Make in a new user group |

**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** | Usability measures characteristic such as consistency and aesthetics in the user interface. |
| NFR-2 | **Security** | The software must remain resilient in the face of attacks. |
| NFR-3 | **Reliability** | Reliability is the extent to which the software system consistently perform the specified function without failure. |
| NFR-4 | **Performance** | The website’s load time should not be more that one second for users. |
| NFR-5 | **Availability** | Ensuring the application performs over a period of extended time is important. |
| NFR-6 | **Scalability** | Scalability to handle an increase in workload without performance degradion or its ability to quickly enlarge. |