**Project Design Phase-II**

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

Date

22 October 2022

Team ID

PNT2022TMIDxxxxxx

Project Name

Project - 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.

**FR No.**

**Functional Requirement (Epic)**

**Sub Requirement (Story / Sub-Task)**

FR-1

Artificial Intelligence model

scanning the ECG graph

Comparing it with the trained data

FR-2

Web Application

Upload the ECG pattern

View the results and information

Creting the UI

FR-3

Training the model

Data to train the model

FR-4

Backend using Python

building the GET, POST methods

**Non-functional Requirements:**

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

**FR No.**

**Non-Functional Requirement**

**Description**

NFR-1

**Usability**

NFR-2

**Security**

NFR-3

**Reliability**

NFR-4

**Performance**

NFR-5

**Availability**

NFR-6

**Scalability**