

Project Design Phase – II  
Solution Requirements (Functional & Non-Functional)

Date	28 October 2022
Team ID	PNT2022TMID41240
Project Name	Classification of Arrhythmia using Deep Learning with 2-D ECG Image

**Function 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 through website using email for verification
FR-2	User Confirmation	Verification of the OTP on the website
FR-3	User Data	Uploading of the ECG used for Arrhythmia Diagnosis
FR-4	User Diagnosis Results (Single Input)	Results of the Arrhythmia Prediction & Classification displayed in the website
FR-5	User Diagnosis Results (Multiple Input)	Results of the Arrhythmia Prediction & Classification sent to registered email

**Non-Function Requirements :**

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

FR No.	Non-Functional Requirement (Epic)	Sub Requirement (Story/Sub-Task)
NFR-1	Usability	Efficiency and overall satisfaction of the user when using Diagnosis service through website
NFR-2	Security	Authentication and Authorization of the website
NFR-3	Reliability	Probability of successful operations for a specified time in an environment

NFR-4	Availability	Service should be readily available for 100% of the users
NFR-5	Scalability	Capacity of the website to handle growth