

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

Date	13 October 2022
Team ID	PNT2022TMID35787
Project Name	Project -Classification of Arrhythmia using Deep Learning with 2D 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	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Upload ECG image	User has to upload ECG image onto the webpage.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application should have user friendly Graphics User Interface.
NFR-2	Security	Only authorized users can view the data so that user data is secured.
NFR-3	Reliability	User data should not be shared to any third-party applications.
NFR-4	Performance	The application should detect Arrhythmia as fast as possible with more accuracy.
NFR-5	Availability	The software should be available for multiple user access simultaneously.
NFR-6	Scalability	The application should be scalable to upload multiple images at a time for detection.