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

Date	15 October 2022
Team ID	PNT2022TMID26984
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	User Registration	Registration through Form
FR-2	User Confirmation	Confirmation via OTP
FR-3	user login	login with registration id
FR-4	upload ecg	read data and predict arithmetic type
FR-5	Challenges and notifications	Giving health challenges and healthy tips Remembering to take medicines Remembering to take regular checkup and doctor consultations.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Improves ease of use. Improves interest toward their own health.
NFR-2	**Security**	Uses cloud technology. The data of the user are well secured and there would be no interference into the system.
NFR-3	**Reliability**	It is a conventional referral system.
NFR-4	**Performance**	detection is faster and accurate. No fee application and could benefit users through prevention .
NFR-5	**Availability**	easily available in any areas at any time .
NFR-6	**Scalability**	scalable through tie ups with government hospitals , agri technologies or corporates.