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

Date	14 October 2022
Team ID	PNT2022TMID41545
Project Name	CLASSIFICATION OF ARRHYTHMIA BY USING DEEP LEARNING WITH 2-D ECG SPECTRAL IMAGE REPRESENTATION
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement	Sub Requirement
FR-1	User Registration	Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Capturing Image	Capture image of the signal and check the parameter of the capture image.
FR-4	Image Processing	Upload the image for the prediction of disease in heart.
FR-5	Image Identification	Identify the problem and predict the solution.
FR-6	Image Description	Suggestion the best method to treat for thev diseases

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Dataset of all the signal is used to detect the present lead.
NFR-2	**Security**	The information belongs to user and doctor are secured highly.
NFR-3	**Reliability**	The quality is important for predicting the signal.
NFR-4	**Performance**	The performance is based on the quality of our signal used for disease prediction.
NFR-5	**Availability**	It is available for all user to predict the disease patient.
NFR-6	**Scalability**	Increasing the prediction of disease in the process.