Project Design Phase-I
Proposed Solution Template

Team ID	PNT2022TMID41240
Project Name	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation

Proposed Solution Template:

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	Build an effective electrocardiogram (ECG) arrhythmia classification method using a convolutional neural network (CNN)
2.	Idea / Solution description	Classify ECG using deep two-dimensional(2-D) CNN with grayscale ECG images
3.	Novelty / Uniqueness	When the image is fed into the model, The classified class will be displayed on the webpage
4.	Social Impact / Customer Satisfaction	Using this Method, we can get accurate classification
5.	Business Model (Revenue Model)	Creating a web application where the user selects the image which is to be classified
6.	Scalability of the Solution	It can classify into seven categories, one being normal and the other six being different types of Arrhythmia