Project Design Phase-I

Proposed Solution Template

Date	13 OCTOBER 2022
Team ID	PNT2022TMID33209
Project Name	Classification of arrhythmia using deep learning with 2-DECG image spectral representation
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in 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 cited class will be displayed on the webpage
4.	Social Impact / Customer Satisfaction	Using this method we can get accurate image 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 other six being different types of arrhythmia.