

**Project Design Phase-I  
Proposed Solution Template**

Date	31 September 2022
Team ID	PNT2022TMID26020
Project Name	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image 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	Designing the model, which will be displayed on the webpage
4.	Social Impact / Customer Satisfaction	Using this Method, We can get classification certainly
5.	Business Model (Revenue Model)	Creating a web application where the user can be treated and monitored by image samples and classified rapidly
6.	Scalability of the Solution	The changing needs of the patients or patterns are scalable and effective