

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

Date	15 October 2022
Team ID	PNT2022TMID01315
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)	Cardiovascular diseases (CVDs) are the leading cause of death today. The current identification method of the diseases is analysing the Electrocardiogram (ECG), which is a medical monitoring technology recording cardiac activity. The patients cannot get instant result and they need to travel.
2.	Idea / Solution description	The patients can easily check their heart rate without travelling and they can find the types of arrhythmia
3.	Novelty / Uniqueness	We have created better user experience for the users to access easily
4.	Social Impact / Customer Satisfaction	The patients get quick results and also it reduces cost and travel
5.	Business Model (Revenue Model)	This application is for arrhythmia patients to get instant result without travelling and this application gives better user experience
6.	Scalability of the Solution	It has more features. It includes image processing, classification of arrhythmia, generate results, display results