

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID00865
Project Name	Project - Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation
Maximum Marks	2 Marks

Proposed Solution Template:

The project team shall fill in the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Classification of arrhythmia using deep learning with 2d ECG spectral image representation
2.	Idea / Solution description	To create an application that is used to classify arrhythmia and provide more detailed information about it. Here we use deep learning techniques and with the help of 2D ECG spectral image to classify the arrhythmia.
3.	Novelty / Uniqueness	Provides accurate results and detailed information required by the users or patients.
4.	Social Impact / Customer Satisfaction	Users or customers can easily use the app because of its user-friendly interface and simplicity. Can be used by anyone at any time.
5.	Business Model (Revenue Model)	As this application can be very useful for the earlier and fast classification of arrhythmia it we are used by many patients suffering from it.
6.	Scalability of the Solution	Expert guidance is not required when we have an app that can be used by anyone. Data of the patient will be securely stored and maintained for future purposes.