Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID37351
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)	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation
2.	Idea / Solution description	To create an application that can be used to classify the arrhythmia using 2-D ECG spectral image classification that can be further used for diagnosis and treatment
3.	Novelty / Uniqueness	Saves time in diagnosing, provides accurate results, and can process multiple data at a time
4.	Social Impact / Customer Satisfaction	Early detection of arrhythmia is possible which in turn helps to treat the patient at the early stage of the disease.
5.	Business Model (Revenue Model)	Developing an app with simplicity and with user friendly interface ,anyone with access to internet can use this app to detect and classify the arrhythmia.
6.	Scalability of the Solution	It must be able to process the data of multiple users at a time and must provide accurate result. Data of the patient will be stored securely for future diagnosis purposes.