Project Design Phase-I
Proposed Solution Template

Date	14 October 2022
Team ID	PNT2022TMID03593
Project Name	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation
Maximum Marks	2 Marks

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Classifying this disorder for the ECG will the best challenge because only few dissimilar variations are there between every type of this disorder. We know that Arrhythmia is a heart related disorder and can either be curable or uncurable.
2.	Idea / Solution description	Our vision is to create a model using deep learning that can read the ECG and can disperse the Arrhythmia even by those similarities.
3.	Novelty / Uniqueness	The classification is developed by using deep learning with 2-D ECG Spectral Image representation helping to diagnose the difference between each and every Arrhythmia which can be differentiated by ECG.
4.	Social Impact / Customer Satisfaction	This furtherly helping doctors to diagnose simply and the patients do not need to be panic and worry about their living.
5.	Business Model (Revenue Model)	Artificial Intelligence is today's most heralded technologies and this model are for health care this application is most likely to be used by income.
6.	Scalability of the Solution	expansion of the model depends on the training and models accuracy which helps the model to train itself. More training of the model leads to a good prediction of the model.