Project Design Phase-I
Proposed Solution

Date	9 October 2022
Team ID	PNT2022TMID41545
Project Name	CLASSIFICATION OF ARRHYTHMIA BY USING DEEP LEARNING WITH 2-D ECG SPECTRAL IMAGE REPRESENTATION
Maximum Marks	2 marks

Proposed Solution

S.No	PARAMETER	DESCRIPTION
1.	Problem Statement(Problem to be Solved)	While most arrhythmias are harmless, some can be serious or even life threatening. When a heartbeat is too fast, too slow or irregular, the heart may not be able to pump enough blood to the body.
2.	Idea / Solution description	Exercising regularly and eating a healthy, low-fat diet with plenty of vegetables, fruits and other vitamin-rich foods are the cornerstones of "heart healthy" living.
3.	Novelty / Uniqueness	Treatment for heart arrhythmias may include medications, therapies such as vagal maneuvers, cardioversion, catheter procedures or heart surgery
4.	Social Impact / Customer Satisfaction	The presence of AF leads to more severe initial neurological involvement, longer hospitalization, greater disability and a lower probability of discharge to home.
5.	Business Model (Revenue Model)	Business runs in the same manner, with ups and downs and re-adaption attitude. Sometimes change management starts like heart beats
6.	Scalability of the Solution	The ECG waveform scaling properties thus suggest that reduced complexity dominates the underlying mechanisms of arrhythmias