

Project Design Phase-I
Proposed Solution Template

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID29187 |
| Project Name | Project - 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 using deep learning with 2d ECG spectral image representation |
| 2. | Idea / Solution description | To create an application that is used to classify the 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 be used by many patients suffering by it. |
| 6. | Scalability of the Solution | Experts guidance is not required when we have a app that can be used by anyone. Data of the patient will be securely stored and maintained for future purposes. |