Project Title : **Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation.**

**Team Leader: Anandakumar.A**

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**College Name : NPR College of Engineering & Technology**

**Faculty Mentor : Mrs.C.Kalpana**

**Project Objectives**

* The objective of our project to design a 2-D Convolutional Neural Network(CNN) model for the classification of ECG signals into eight – classes.
* The 2-D CNN Model consisting of four convolutional layers and four pooling layers is designed for extracting robust features.
* Deep CNN has proven useful in enhancing the accuracy of diagnosis algorithm in the fusion of modern machine learning technologies.
* In our project a state-of-the-art-average classification accuracy of 99% .
* Our proposed scheme objective can help experts diagnose CVD’s by referring to the automated classification of ECG signals.