

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

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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.