CLASSIFICATION OF ARRHYTHMIA BY USING DEEP LEARNING WITH 2-D ECG SPECTRAL IMAGEREPRESENTATION

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Teamid	PNT2022TMID33910
ProjectName	Classification of arrhythmia by using deeplearning with2-d ecg spectral image representation

Project Flow

- User interacts with User interface to upload image
- Uploaded image is analyzed by the model which is integrated
- Once model analyses the uploaded image, the prediction is showcased on the UI
- To accomplish this, we have to complete all the activities and tasks listed below
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Data Collection.

- Collect the dataset or Create the dataset

Data Preprocessing.

- Import the ImageDataGenerator library
- Configure ImageDataGenerator class
- Apply ImageDataGenerator functionality to Trainset and Testset

Model Building

- Import the model building Libraries
- Initializing the model
- Adding Input Layer
- Adding Hidden Layer
- Adding Output Layer
- Configure the Learning Process
- Training and testing the model

- Optimize the Model
- Save the Model

Application Building

- Create an HTML file
- Build Python Code

work progress diagram:-