

# **CLASSIFICATION OF ARRHYTHMIA BY USING DEEPMARNING WITH 2-D ECG SPECTRAL IMAGE REPRESENTATION**

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ProjectName	Classification of arrhythmia by using deeplearning with 2-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