

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

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| DATE | 19 November 2022 |
| TEAM ID | PNT2022TMID36166 |
| PROJECT NAME | Classification Of Arrhythmia by Using Deep Learning 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

Data Collection

- Collect the dataset or Create the dataset

Data Preprocessing

- Import the Image Data Generator library
- Configure Image Data Generator class
- Apply Image Data Generator functionality to Train set and Test set

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 mode
- Optimize the Model
- Save the Model

Application Building

- Create an HTML file
- Build Python Code





