CLASSICATIONOFARRYTHMIABYUSINGDEEPLE ARNING WITH 2-D ECG SPECTRAL IMAGEREPRESENTATION

|  |  |
| --- | --- |
| 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

