**CLASSICATIONOFARRYTHMIABYUSINGDEEPLE**

**ARNING WITH 2-D ECG SPECTRAL IMAGEREPRESENTATION**

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| Team ID | PNT2022TMID48713 |
| 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