

!unzip '/content/Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Im

Streaming output truncated to the last 5000 lines.

inflating: data/train/Premature Ventricular Contractions/fig_1532.png
inflating: data/train/Premature Ventricular Contractions/fig_1533.png
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inflating: data/train/Premature Ventricular Contractions/fig_1579.png
inflating: data/train/Premature Ventricular Contractions/fig_158.png
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inflating: data/train/Premature Ventricular Contractions/fig_1581.png
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inflating: data/train/Premature Ventricular Contractions/fig_1583.png
```

```
from keras.preprocessing.image import ImageDataGenerator
```

```
# setting parameters for data augmentation for training data
```

```
train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,zoom_range=0.2,horizontal_fli
```

```
# data augmentation to the testing data
```

```
test_datagen=ImageDataGenerator(rescale=1./255)
```

```
#performing data augmentation to train data
```

```
x_train=train_datagen.flow_from_directory(directory=r'/content/data/train',target_size=(64,64
```

```
Found 15341 images belonging to 6 classes.
```

```
x_test=test_datagen.flow_from_directory(directory=r'/content/data/test',target_size=(64,64),b
```

```
Found 6825 images belonging to 6 classes.
```