

Sprint-3

Application Building

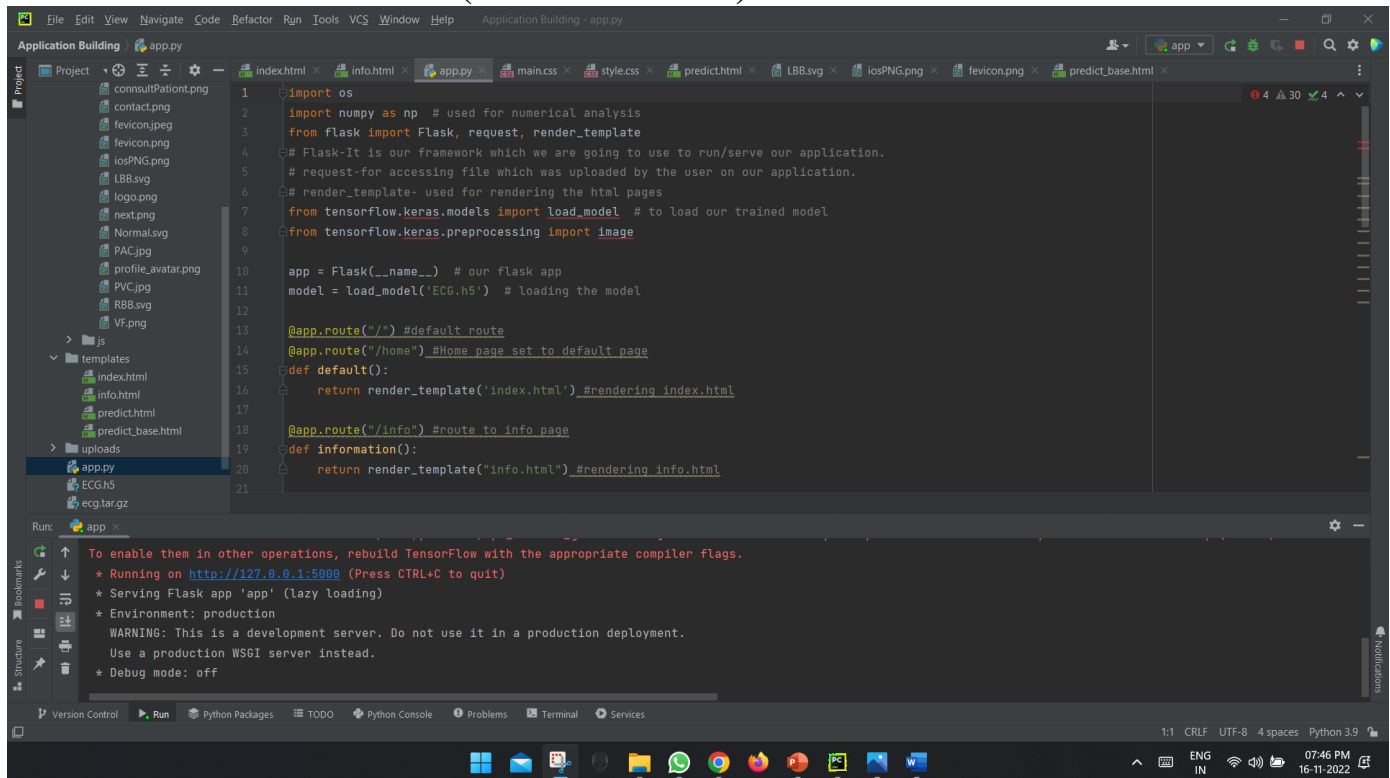
RUN THE APP

Date	11Nov 2022
TeamID	PNT2022TMID02236
ProjectName	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation

TASK:

Run The App.

RUN ON LOCAL HOST (SCREEN SHOT):



The screenshot displays the Visual Studio Code (VS Code) interface with a Flask application running on a local host. The editor window shows the `app.py` file, which contains the following code:

```
1 import os
2 import numpy as np # used for numerical analysis
3 from flask import Flask, request, render_template
4 # Flask-It is our framework which we are going to use to run/serve our application.
5 # request-for accessing file which was uploaded by the user on our application.
6 # render_template- used for rendering the html pages
7 from tensorflow.keras.models import load_model # to load our trained model
8 from tensorflow.keras.preprocessing import image
9
10 app = Flask(__name__) # our flask app
11 model = load_model('ECG.h5') # loading the model
12
13 @app.route("/") #default route
14 @app.route("/home") #Home page set to default page
15 def default():
16     return render_template('index.html') #rendering index.html
17
18 @app.route("/info") #route to info page
19 def information():
20     return render_template("info.html") #rendering info.html
21
```

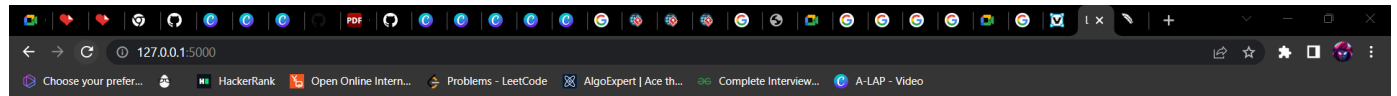
The Run and Debug console at the bottom shows the following output:

```
To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
* Running on http://127.0.0.1:5000 (Press CTRL+C to quit)
* Serving Flask app 'app' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
```

The status bar at the bottom indicates the file encoding is UTF-8, the line length is 4 spaces, and the Python version is 3.9. The system clock shows 07:46 PM on 16-11-2022.

LOCAL HOST:

CLICK PREDICT (SCREEN SHOT)::



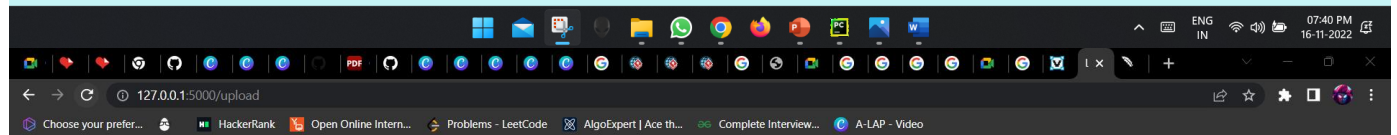
Classification of Arrhythmia Prediction

The World Health Organization (WHO) states that cardiovascular diseases (CVDs) are currently the leading cause of death. In 2017, over 17.7 million people worldwide passed away from CVDs, which...

[Read more](#)



CardiacCare



According to the World Health Organization (WHO), cardiovascular diseases (CVDs) are the number one cause of death today. Over 17.7 million people died from CVDs in the year 2017 all over the world which...

[Read more](#)

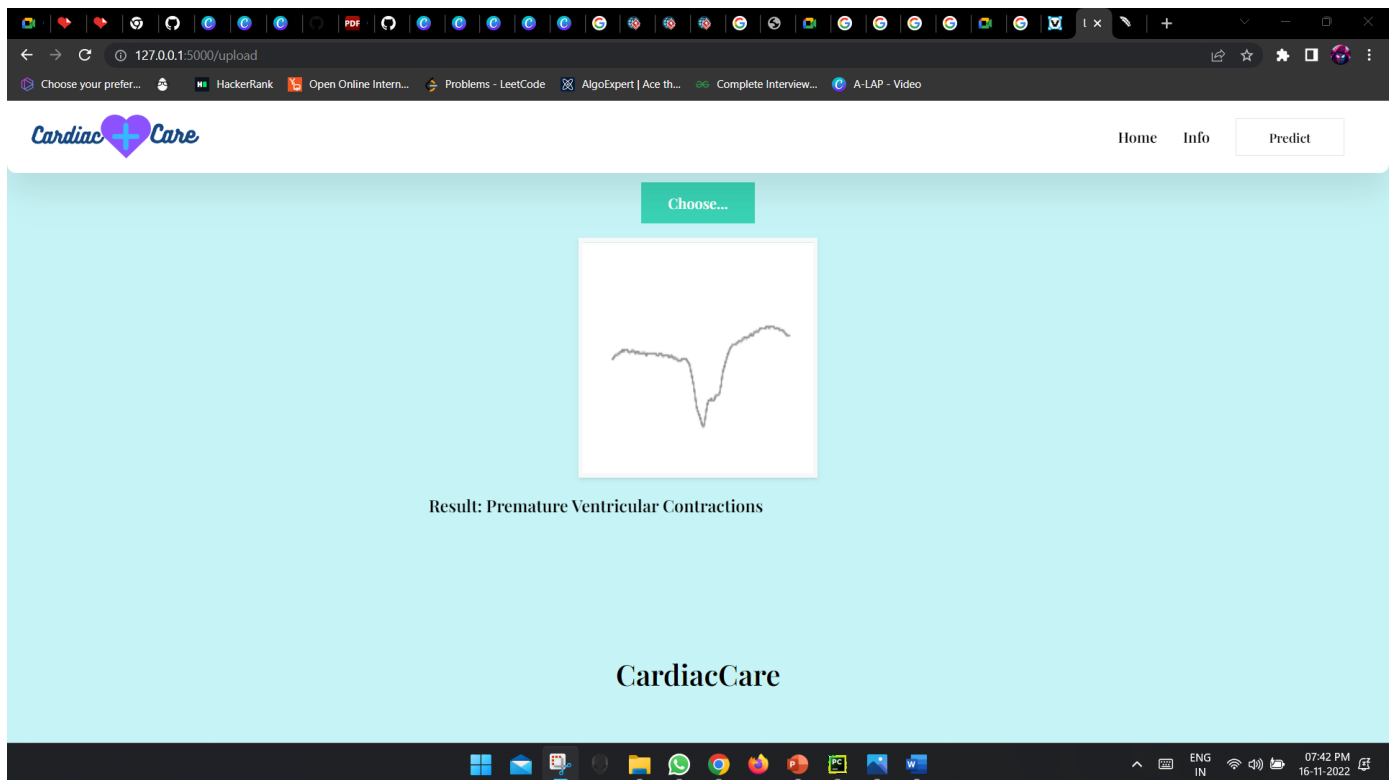


ECG Arrhythmia Classification

[Choose...](#)

[Predict](#)

CLICK CHOOSE BUTTON (SCREEN SHOT):



SHOW ON RESULT (SCREEN SHOT):

