

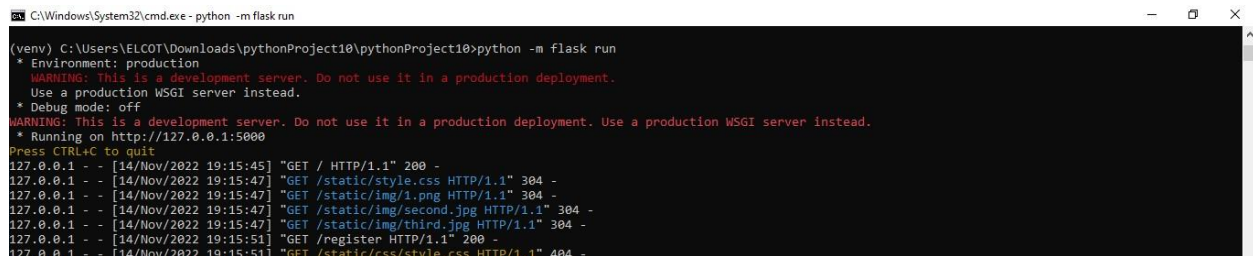
Project Development Phase

Sprint 4 – Test Cases

Date	15 Nov 2022
Team ID	PNT2022TMID15283
Project Name	Virtual Eye - Life Guard for Swimming Pools To Detect Active Drowning
Maximum Marks	4Marks

1: Run the application

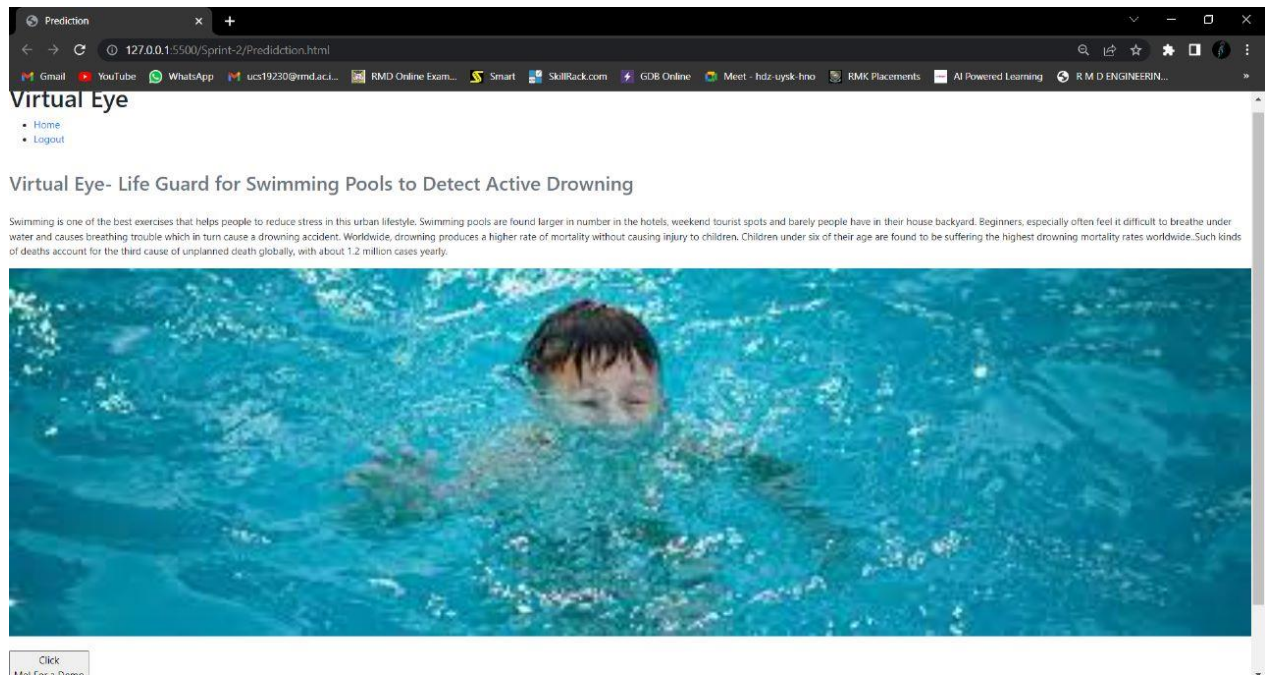
In the command prompt, navigate to the folder in which the flask app is present. When the python file is executed the localhost is activated on 5000 port and can be accessed through it.



```
C:\Windows\System32\cmd.exe - python -m flask run
(venv) C:\Users\ELCOT\Downloads\pythonProject10\pythonProject10>python -m flask run
* 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
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [14/Nov/2022 19:15:45] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 19:15:47] "GET /static/style.css HTTP/1.1" 304 -
127.0.0.1 - - [14/Nov/2022 19:15:47] "GET /static/img/1.png HTTP/1.1" 304 -
127.0.0.1 - - [14/Nov/2022 19:15:47] "GET /static/img/second.jpg HTTP/1.1" 304 -
127.0.0.1 - - [14/Nov/2022 19:15:47] "GET /static/img/third.jpg HTTP/1.1" 304 -
127.0.0.1 - - [14/Nov/2022 19:15:51] "GET /register HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 19:15:51] "GET /static/css/style.css HTTP/1.1" 404 -
```

2: Open the browser and navigate to <http://127.0.0.1:5000> to check your application

The home page looks like this. You can click on login or register



While logging in you need to provide your registered credentials

After successfully login you will redirect to the prediction page where we have to click on the demo button to launch the open cv window for video analysis.

Virtual Eye- Life Guard for Swimming Pools to Detect Active Drowning

Swimming is one of the best exercises that helps people to reduce stress in this urban lifestyle. Swimming pools are found larger in number in the hotels, weekend tourist spots and barely people have in their house backyard. Beginners, especially often feel it difficult to breathe under water and causes breathing trouble which in turn cause a drowning accident. Worldwide, drowning produces a higher rate of mortality without causing injury to children. Children under six of their age are found to be suffering the highest drowning mortality rates worldwide. Such kinds of deaths account for the third cause of unplanned death globally, with about 1.2 million cases yearly.

[Click Me! For a Demo](#)

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Output:-

Virtual Eye

Home Logout

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[Click Me! For a Demo](#)
Emergency !!! The Person is drowning

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```
127.0.0.1 - - [14/Nov/2022 19:16:41] "POST /afterlogin HTTP/1.1" 302 -
127.0.0.1 - - [14/Nov/2022 19:16:41] "GET /prediction HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 19:16:42] "GET /static/style.css HTTP/1.1" 304 -
127.0.0.1 - - [14/Nov/2022 19:16:42] "GET /static/js/JScript.js HTTP/1.1" 304 -
127.0.0.1 - - [14/Nov/2022 19:16:42] "GET /static/img/second.jpg HTTP/1.1" 304 -
5.816675424575806 s
bbox: [[114, 112, 804, 372]] centre: [459.0, 242.0] centre0: [0. 0.]
Is he drowning: False
4.5444793701171875 s
bbox: [[114, 112, 804, 372]] centre: [459.0, 242.0] centre0: [459.0, 242.0]
Is he drowning: False
8.752950429916382 s
bbox: [[114, 112, 804, 372]] centre: [459.0, 242.0] centre0: [459.0, 242.0]
Is he drowning: False
12.785400867462158 s
bbox: [[120, 112, 800, 372]] centre: [460.0, 242.0] centre0: [459.0, 242.0]
Is he drowning: True
```