

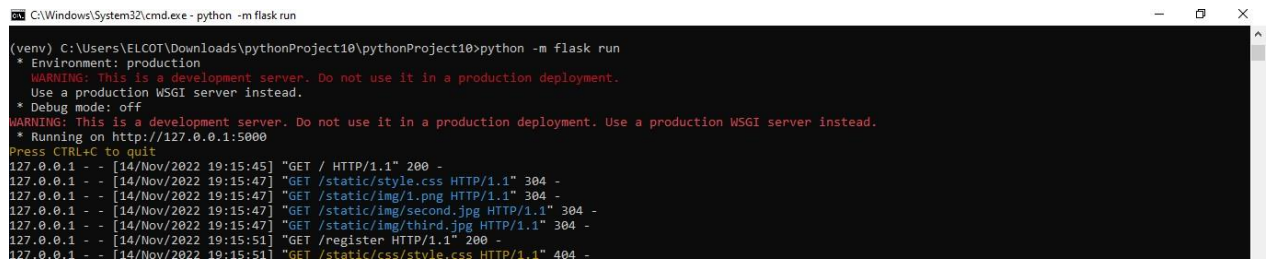
Project Development Phase

Sprint 4 – Test Cases

Date	15 Nov 2022
Team ID	PNT2022TMID36530
Project Name	Virtual Eye - Life Guard for Swimming Pools To Detect Active Drowning
Maximum Marks	4Marks

1: Run the application

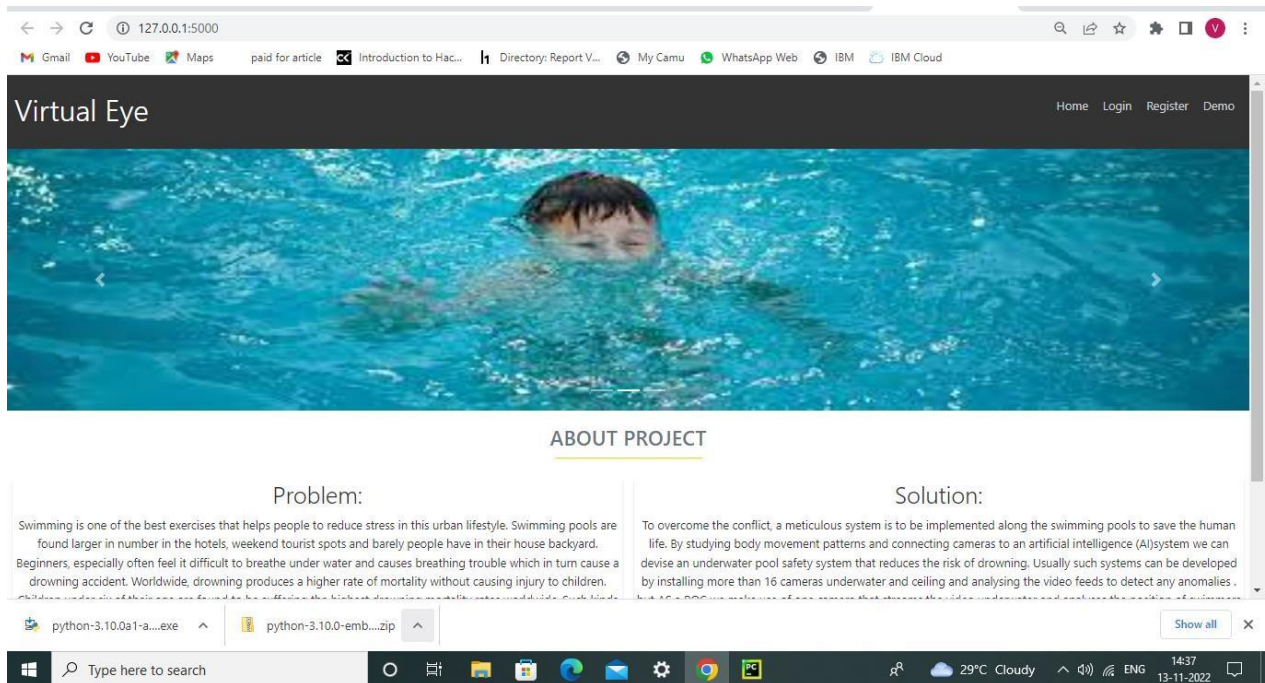
In the command prompt, navigate to the folder in which the flask app is present. When the python file is executed the localhost is activated on 5000 port and can be accessed through it.



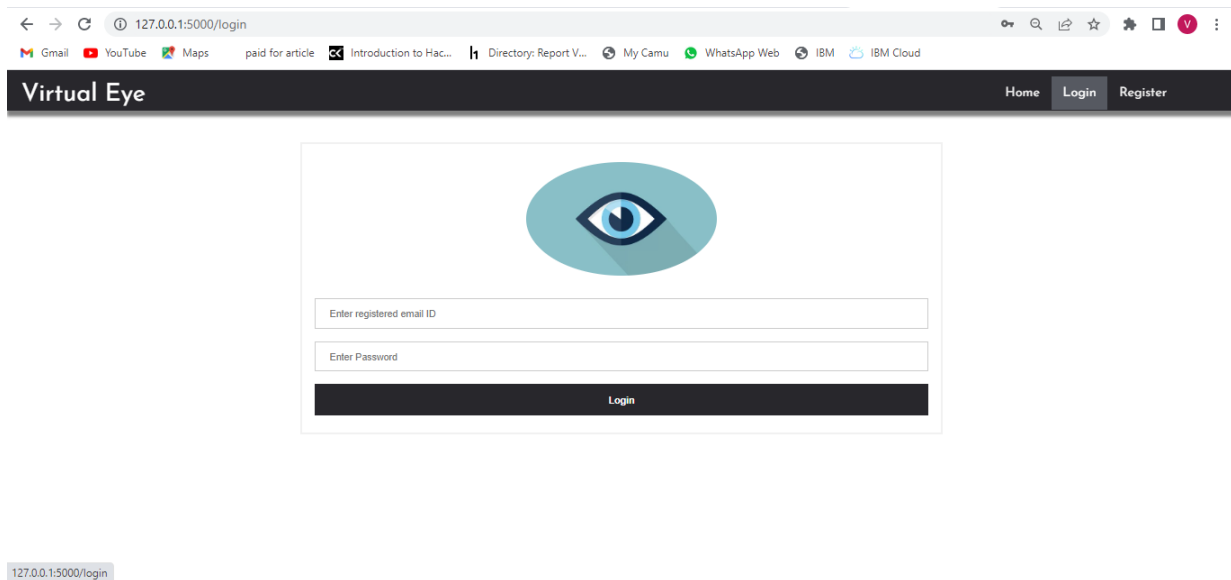
```
C:\Windows\System32\cmd.exe - python -m flask run
(venv) C:\Users\ELCOT\Downloads\pythonProject10\pythonProject10>python -m flask run
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: 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

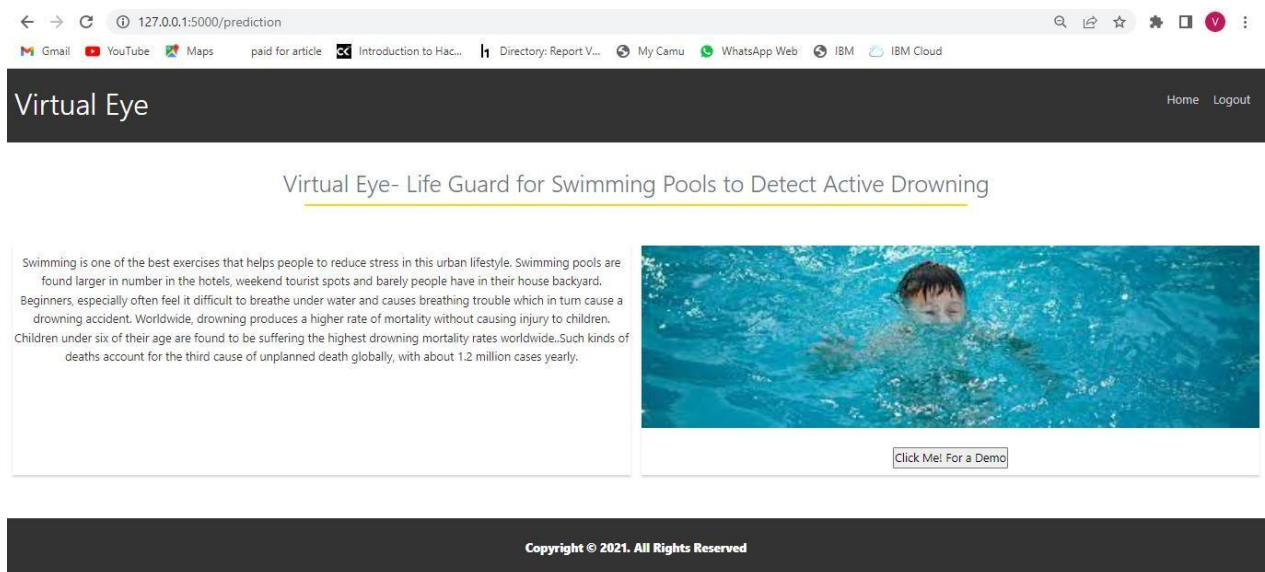
The home page looks like this. You can click on login or register



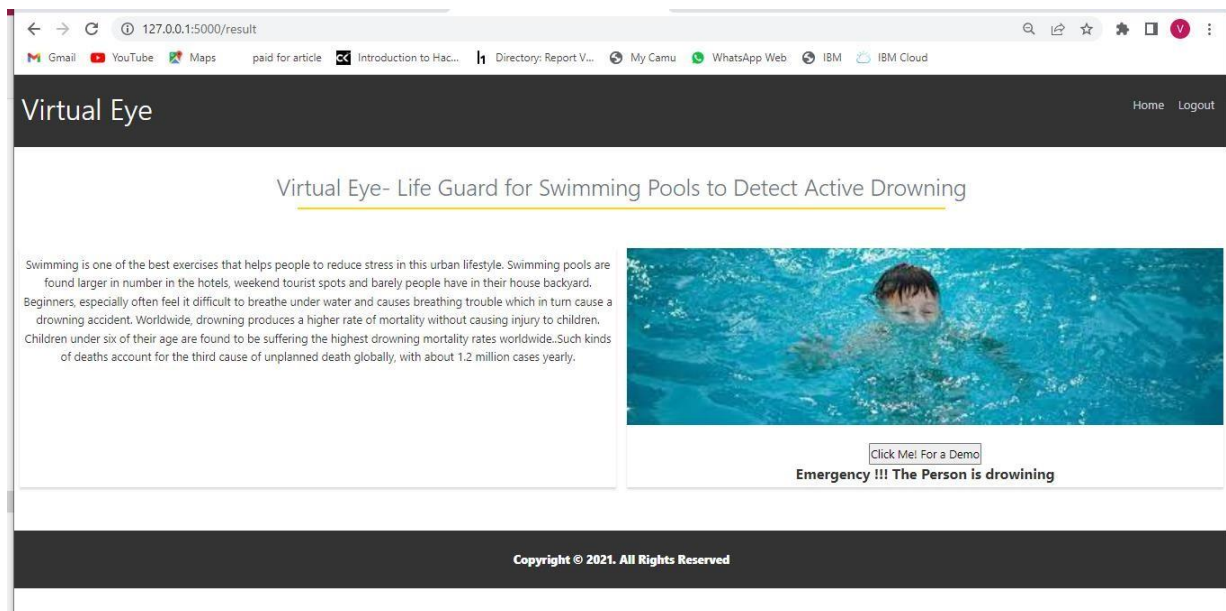
While logging in you need to provide your registered credentials



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.



Output:-



```
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
12.785408867462158 s
bbox: [[120, 112, 800, 372]] centre: [460.0, 242.0] centre0: [459.0, 242.0]
Is he drowning: True
```

