

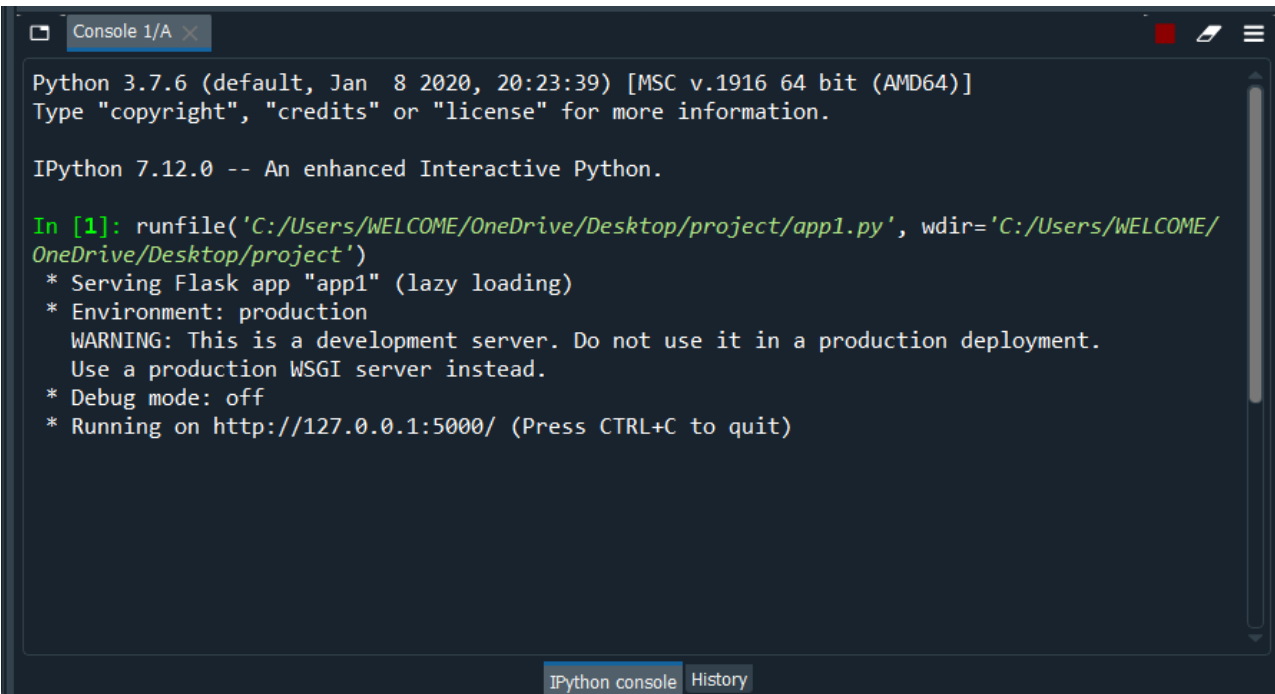
# Project Development Phase

## Sprint 4 – Test Cases

Date	15 Nov 2022
Team ID	PNT2022TMID22019
Project Name	Virtual Eye - Life Guard for Swimming Pools To Detect Active Drowning
Maximum Marks	4 Marks

### 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.



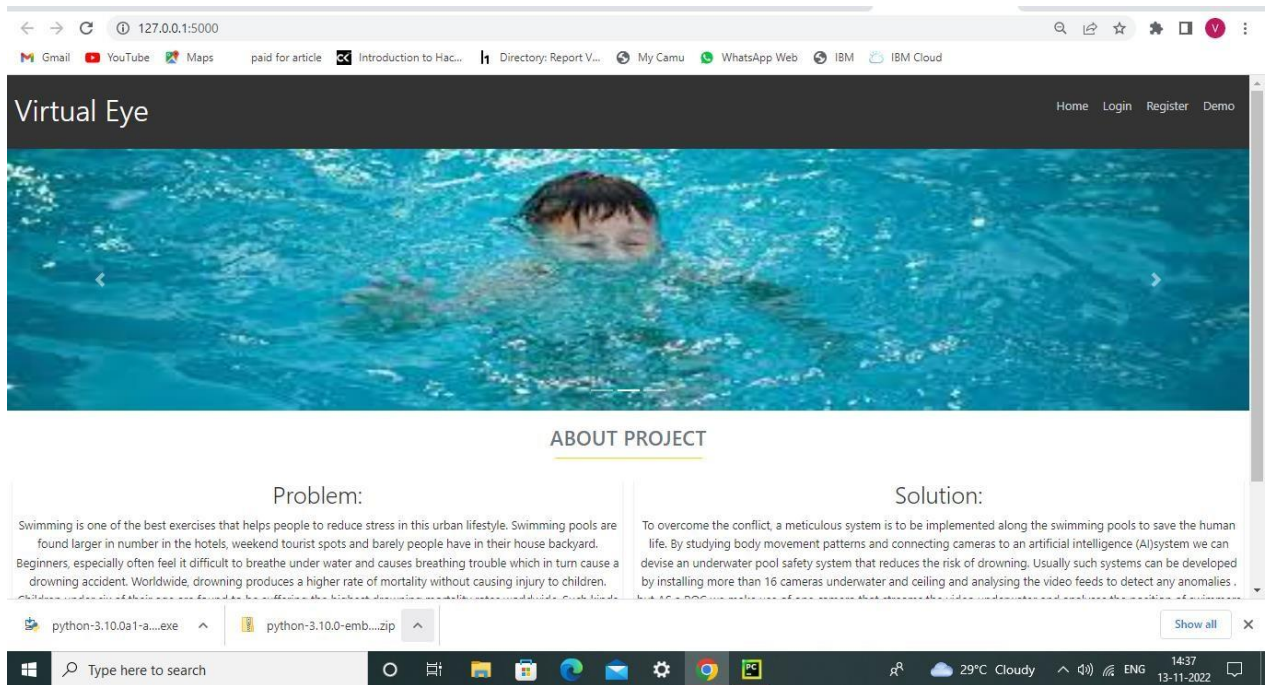
```
Python 3.7.6 (default, Jan 8 2020, 20:23:39) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license()" for more information.

IPython 7.12.0 -- An enhanced Interactive Python.

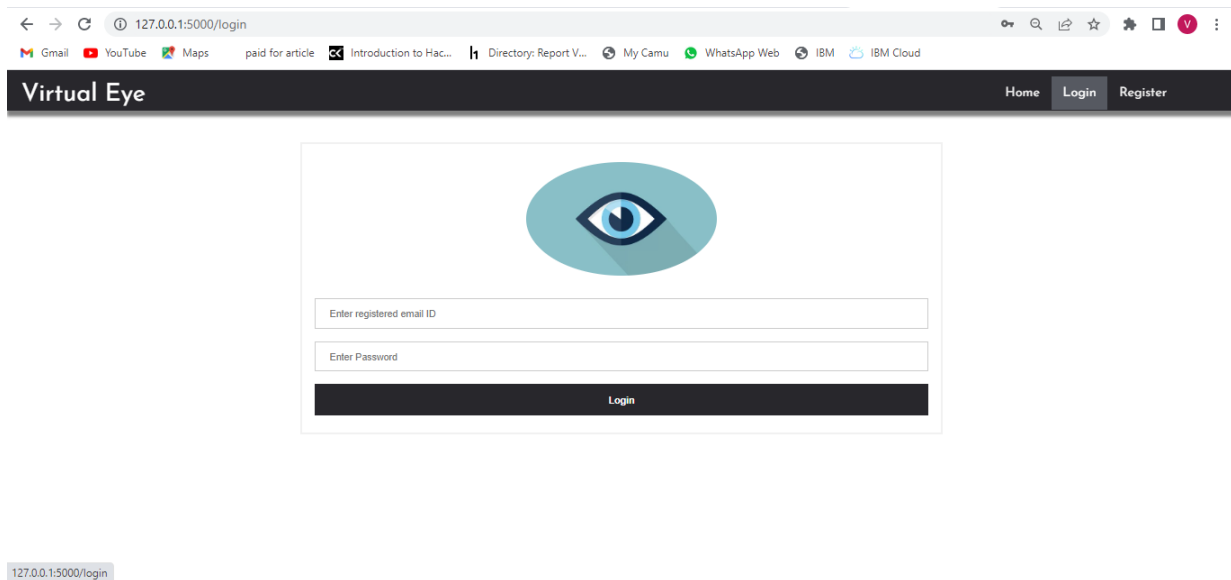
In [1]: runfile('C:/Users/WELCOME/OneDrive/Desktop/project/app1.py', wdir='C:/Users/WELCOME/OneDrive/Desktop/project')
* Serving Flask app "app1" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

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

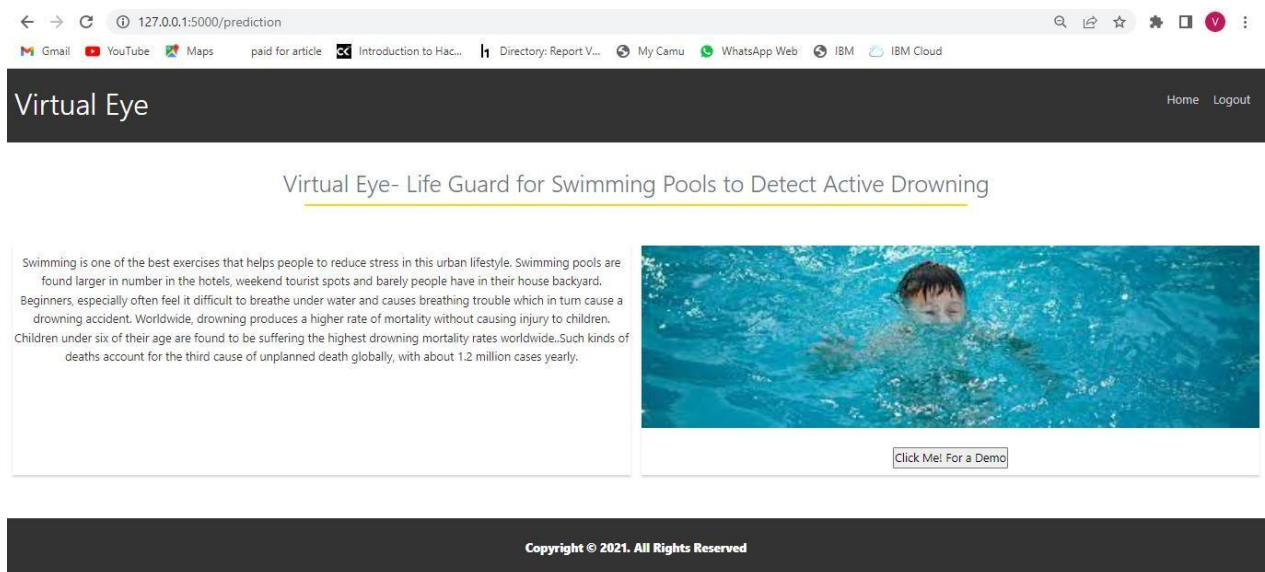
The home page looks like this. You can click on login or register



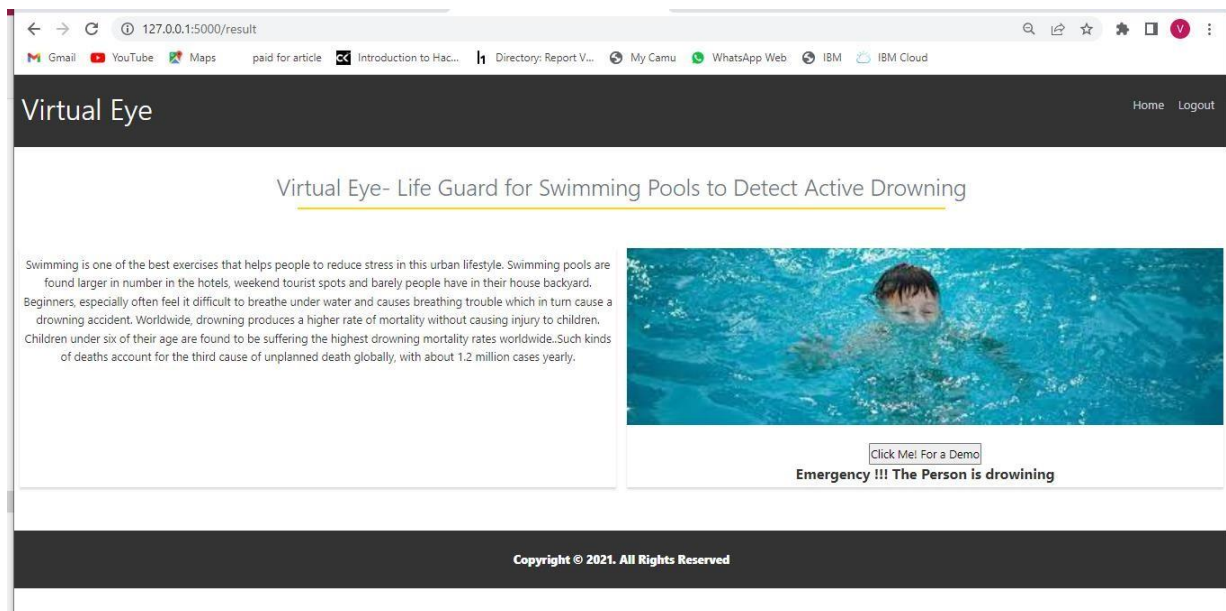
While logging in you need to provide your registered credentials



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:-**



```
Console 1/A x
3.3030270950517505 s
bbox: [[692, -6, 1824, 1078]] centre: [1258.0, 536.0] centre0: [1267.0, 529.0]
Is he drowning: False
4.6680638790130615 s
bbox: [[681, 12, 1855, 1060]] centre: [1268.0, 536.0] centre0: [1258.0, 536.0]
Is he drowning: False
5.797983884811401 s
bbox: [[692, 6, 1854, 1070]] centre: [1273.0, 538.0] centre0: [1268.0, 536.0]
Is he drowning: False
6.924486398696899 s
bbox: [[680, 0, 1858, 1070]] centre: [1269.0, 535.0] centre0: [1273.0, 538.0]
Is he drowning: False
7.971890926361084 s
bbox: [[672, 6, 1866, 1062]] centre: [1269.0, 534.0] centre0: [1269.0, 535.0]
Is he drowning: False
9.052837371826172 s
bbox: [[676, 14, 1882, 1066]] centre: [1279.0, 540.0] centre0: [1269.0, 534.0]
Is he drowning: False
10.183572053909302 s
bbox: [[686, 22, 1876, 1062]] centre: [1281.0, 542.0] centre0: [1279.0, 540.0]
Is he drowning: True

Python console History
conda: base (Python 3.7.6) Line 153, Col 1 UTF-8 CRLF RW Mem 89%
```