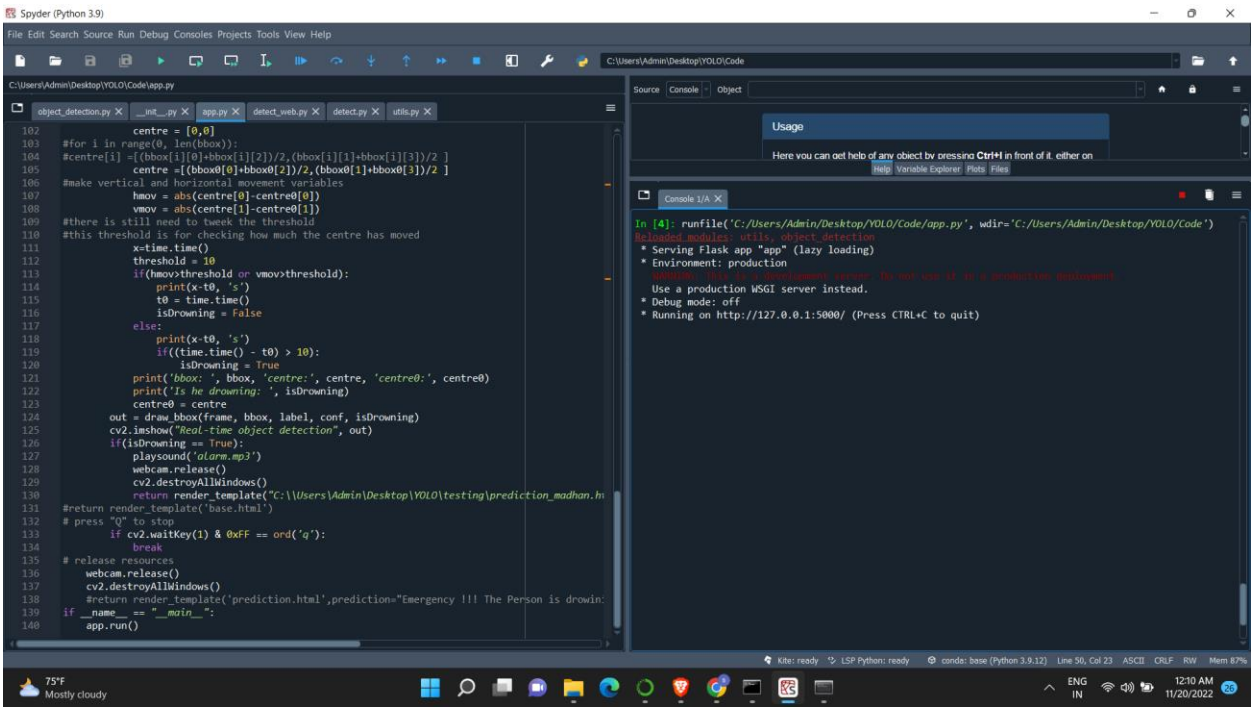
Project Development Phase
Sprint 4 – Test Cases

DATE	17/11/2022
TEAM ID	PNT2022TMID06940
PROJECT NAME	Virtual Eye - Life Guard for Swimming Pools to Detect Active Drowning
MAX MARKS	4 MARKS

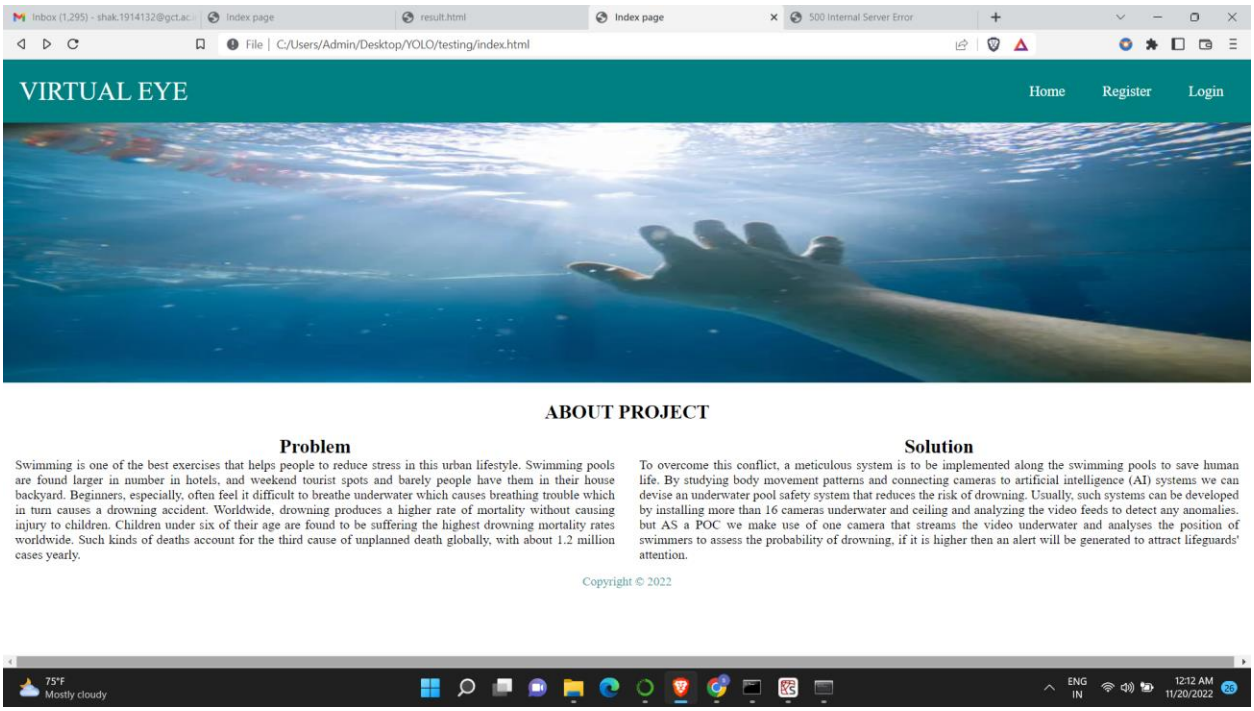
1: Run the application

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 (http://127.0.0.1:5000/) and can be accessed through it.

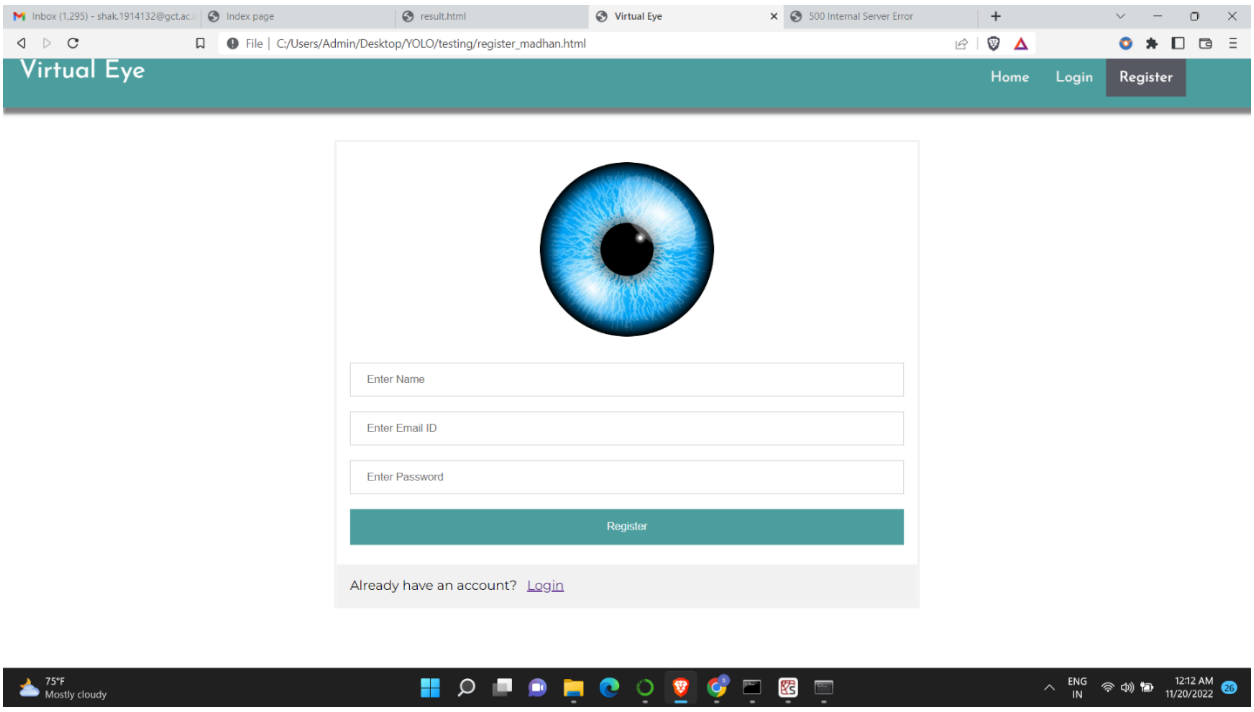


2: Open the browser and navigate to http://127.0.0.1:5000 to check your application

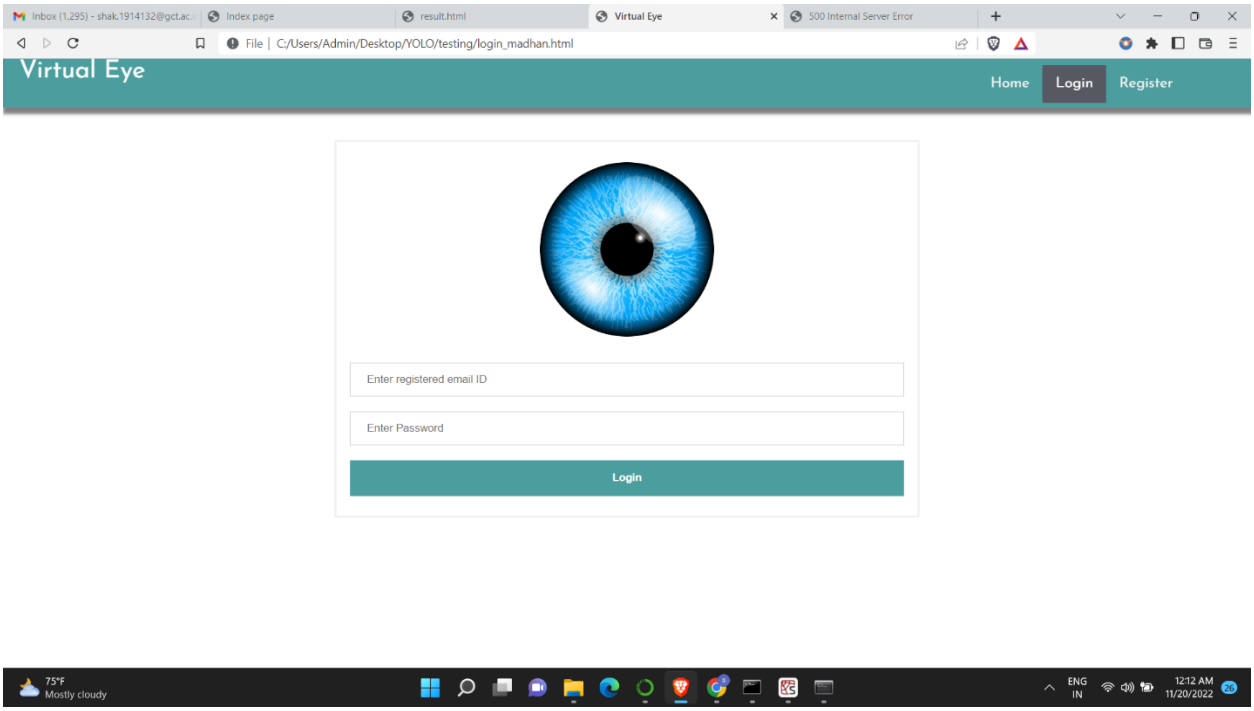
The home page looks like this. You can click on login or register



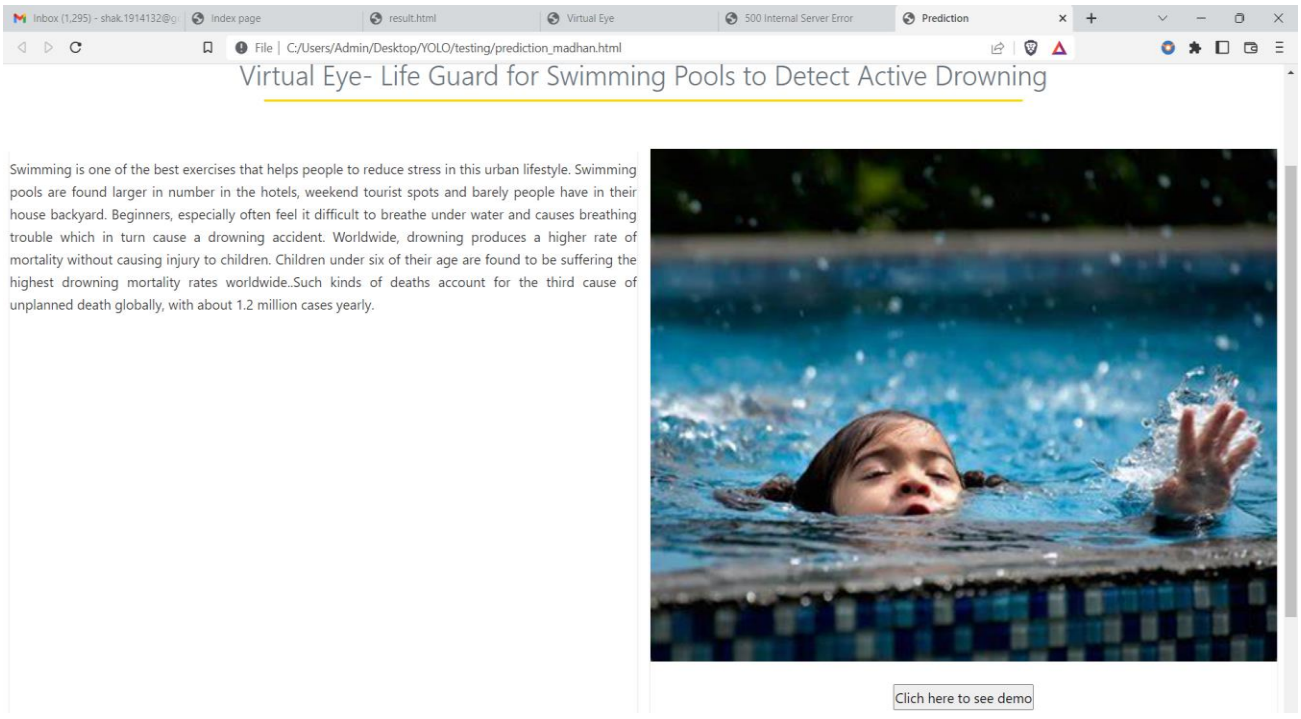
Enter the details for the registration to the virtual eye technology



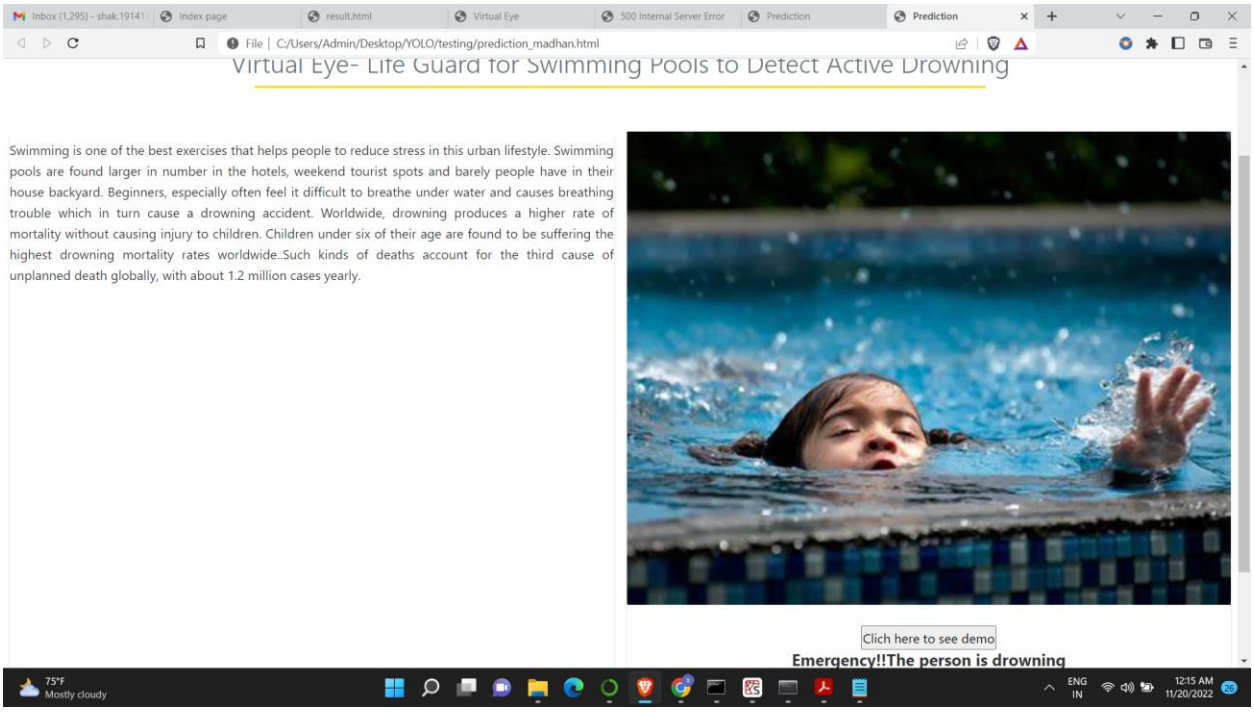
While logging in you need to provide your registered credentials

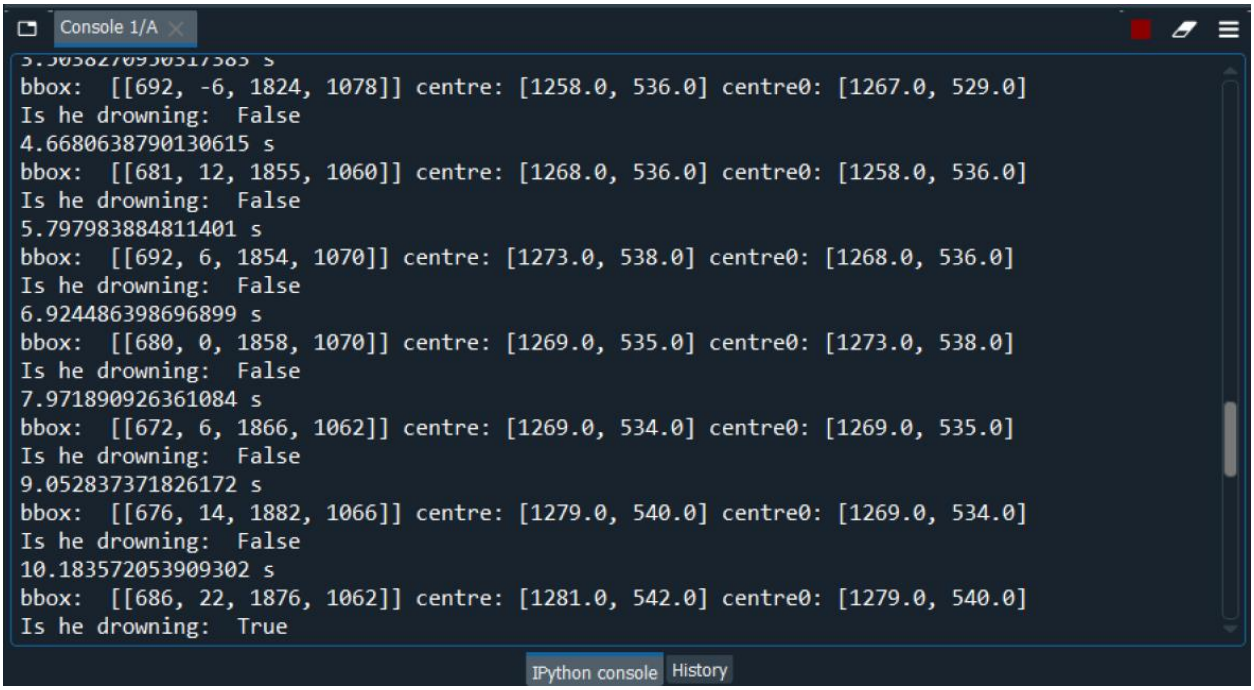


After successfully login you will redirect to the prediction page where we have to click on the demo button to launch the open cv window for video analysis.



OUTPUT


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.
Clich here to see demo
Emergency!!The person is drowning


Console 1/A
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
IPython console
History