

Application Building

Run The Application

Date	17 November 2022
Team ID	PNT2022TMID30291
Project Name	Virtual Eye - Life Guard for Swimming Pools to Detect Active Drowning

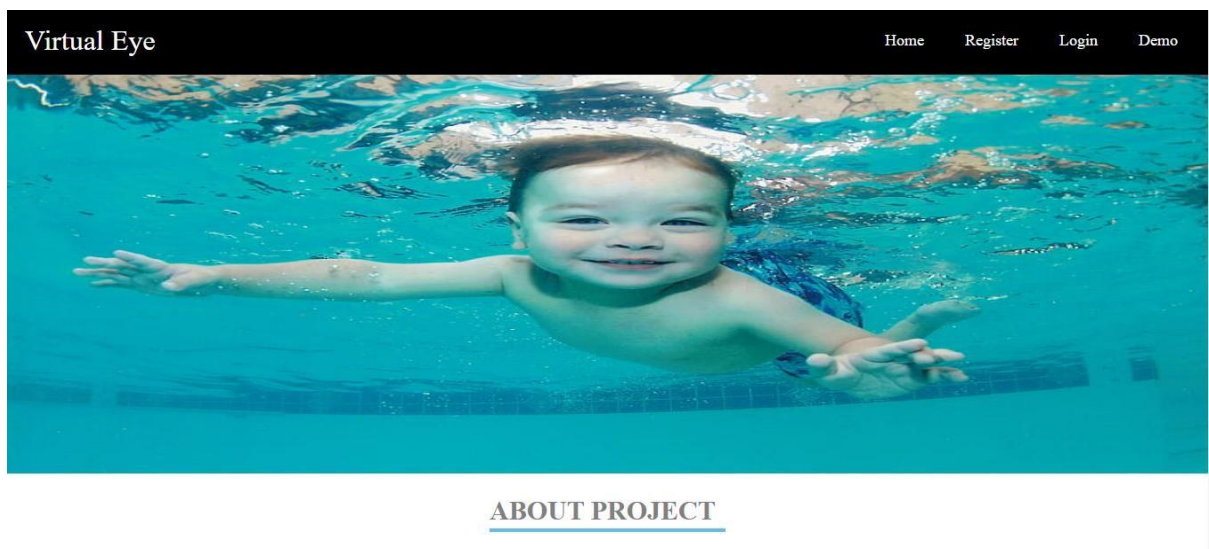
Run the application

```
Windows PowerShell
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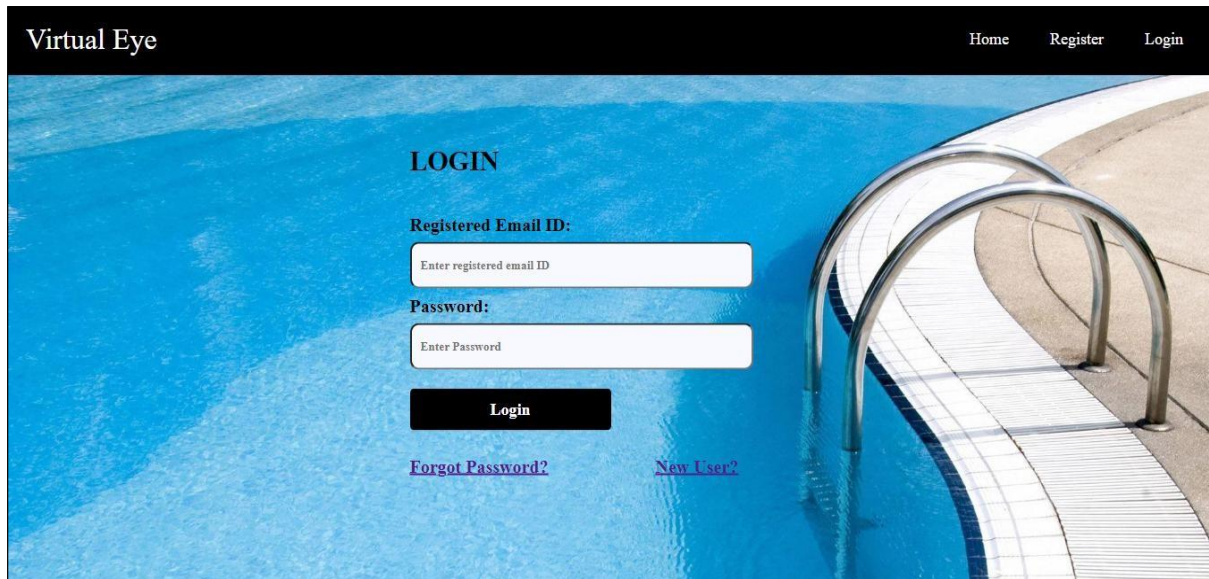
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\mohanapriya\Downloads\Drowning-Detector (2)\Drowning-Detector> & C:/Python/Python37/python.exe "c:/Users/mohanapriya/Downloads/Drowning-Detector (2)/Drowning-Detector/app.py"
* Serving Flask app 'app'
* Debug mode: on
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
* Restarting with stat
* Debugger is active!
* Debugger PIN: 107-928-141
```

Open the browser and navigate to <http://127.0.0.1:5000>



While logging in we need to provide our registered credentials

The image shows the login page of a website called "Virtual Eye". The page has a dark blue header with the site name "Virtual Eye" on the left and navigation links "Home", "Register", and "Login" on the right. The main content area has a background image of a swimming pool with a curved metal ladder. In the center, there is a "LOGIN" section. It includes a label "Registered Email ID:" followed by a text input field with the placeholder "Enter registered email ID". Below that is a label "Password:" followed by a text input field with the placeholder "Enter Password". A black "Login" button is positioned below the password field. At the bottom of the login section, there are two links: "Forgot Password?" and "New User?".

Virtual Eye

Home Register Login

LOGIN

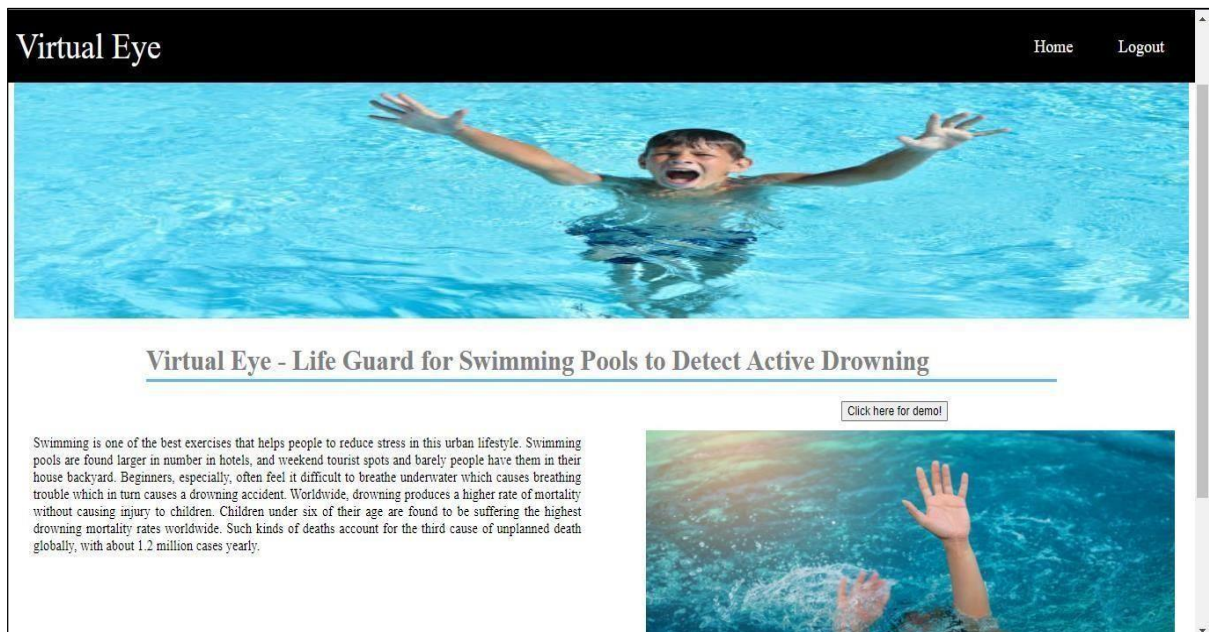
Registered Email ID:

Password:

Login

[Forgot Password?](#) [New User?](#)

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

The image shows the main page of the "Virtual Eye" website. The header is dark blue with "Virtual Eye" on the left and "Home" and "Logout" on the right. Below the header is a large banner image of a young boy floating in a swimming pool with his arms outstretched. Underneath the banner is the title "Virtual Eye - Life Guard for Swimming Pools to Detect Active Drowning" in a serif font, followed by a horizontal line. To the left of the bottom image is a paragraph of text about swimming and drowning. To the right is a smaller image showing a person's hands reaching up from underwater. Above this smaller image is a button that says "Click here for demo!".

Virtual Eye

Home Logout

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 hotels, and weekend tourist spots and barely people have them in their house backyard. Beginners, especially, often feel it difficult to breathe underwater which causes breathing trouble which in turn causes 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 here for demo!](#)

Output:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Is he drowning: False
7.766584873199463 s
bbox: [[412, 118, 704, 572]] centre: [558.0, 345.0] centre0: [556.0, 344.0]
Is he drowning: False
9.739883661270142 s
bbox: [[404, 114, 710, 578]] centre: [557.0, 346.0] centre0: [558.0, 345.0]
Is he drowning: False
11.645272493362427 s
bbox: [[394, 122, 722, 580]] centre: [558.0, 351.0] centre0: [557.0, 346.0]
Is he drowning: True
22.118895646896362 s
bbox: [[392, 126, 732, 580]] centre: [562.0, 353.0] centre0: [558.0, 351.0]
Is he drowning: True
31.459052324295044 s
bbox: [[392, 126, 732, 580]] centre: [562.0, 353.0] centre0: [562.0, 353.0]
Is he drowning: True
40.929001439971924 s
bbox: [[385, 133, 739, 575]] centre: [562.0, 354.0] centre0: [562.0, 353.0]
Is he drowning: True
50.51718282699585 s
bbox: [[376, 133, 746, 579]] centre: [561.0, 356.0] centre0: [562.0, 354.0]
Is he drowning: True
```