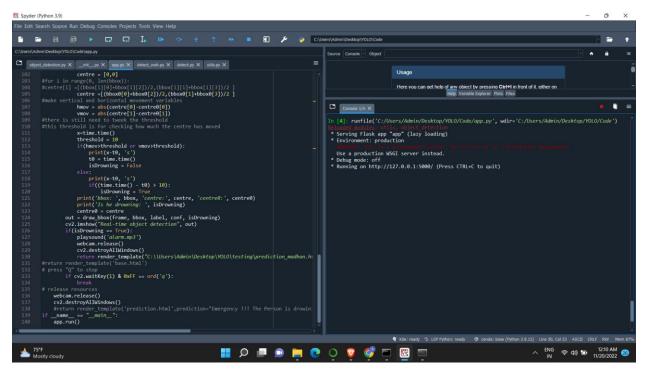
Run the application Test cases

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

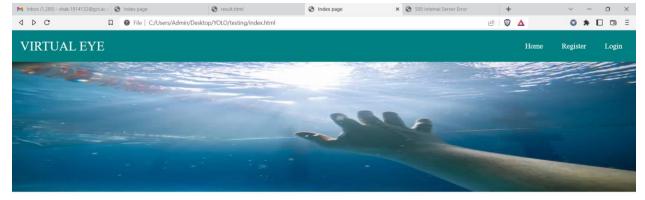
1: Run the application

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



ABOUT PROJECT

Problem Solution

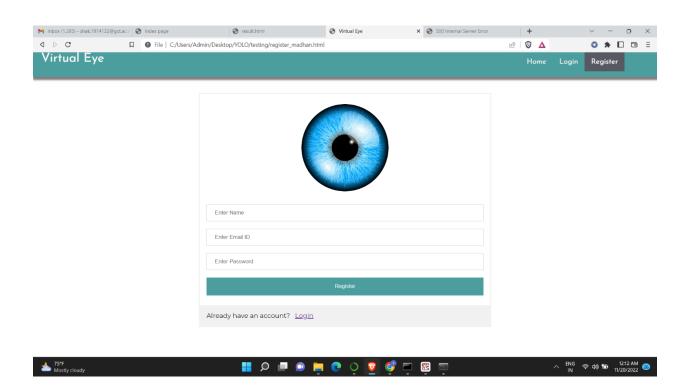
Swimming is one of the best exercises that helps people to reduce stress in this urban lifestyle. Swimming pools are found larger in number in hotels, and weekend tourist spots and barely people have them in their house backyard. Beginners, especially, often feel it difficult to breathe underwater which 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.

To overcome this conflict, a meticulous system is to be implemented along the swimming pools to save human life. By studying body movement patterns and connecting cameras to artificial intelligence (AI) systems we can devise an underwater pool safety system that reduces the risk of drowning. Usually, such systems can be developed by installing more than 16 cameras underwater and ceiling and analyzing the video feeds to detect any anomalies. but AS a POC we make use of one camera that streams the video underwater and analyses the position of swimmers to assess the probability of drowning, if it is higher then an alert will be generated to attract lifeguards' attention.

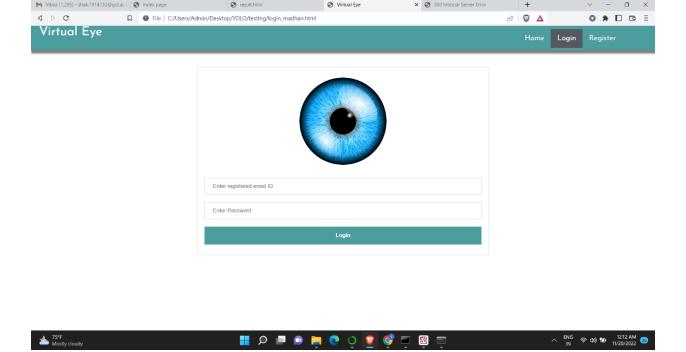
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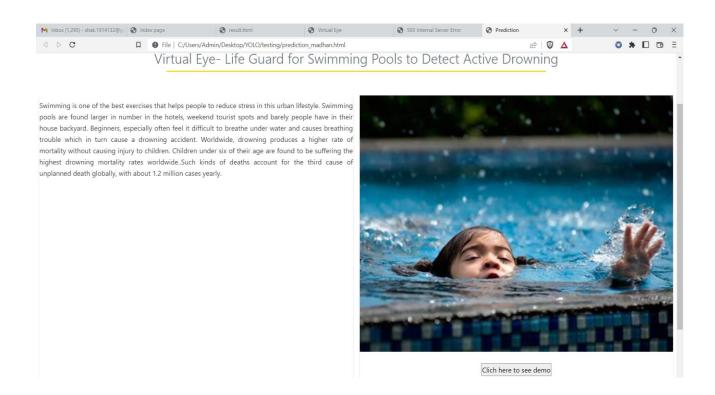
Enter the details for the registration to the virtual eye technology



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

