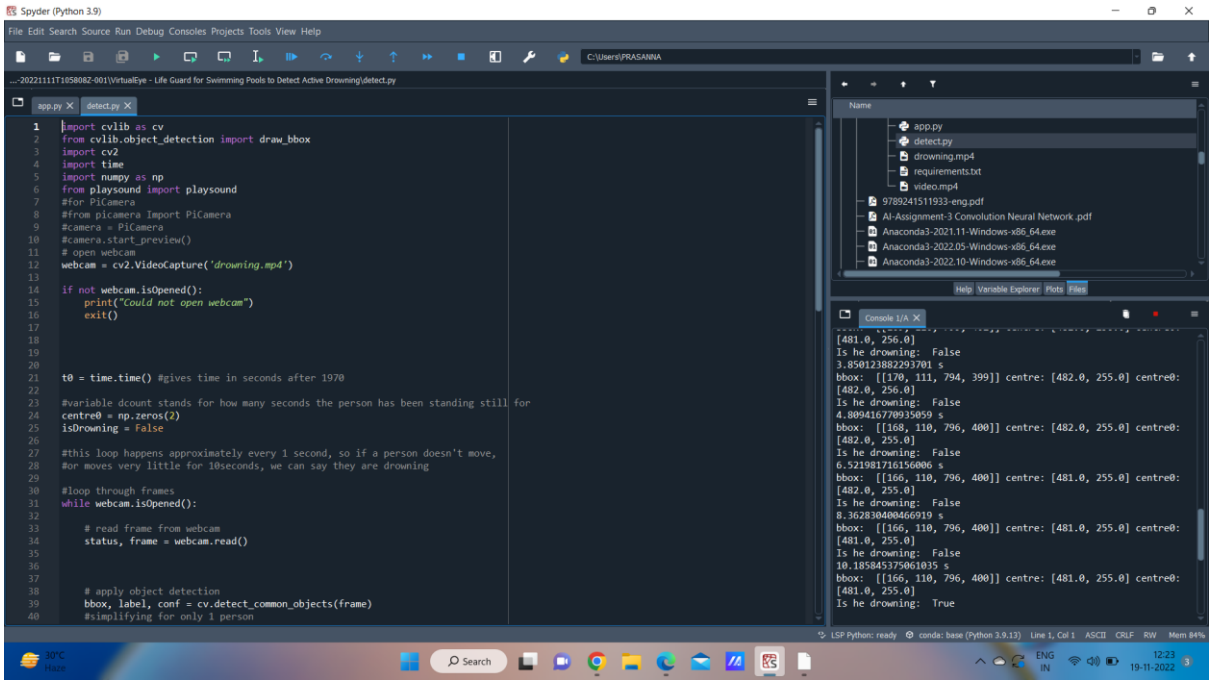
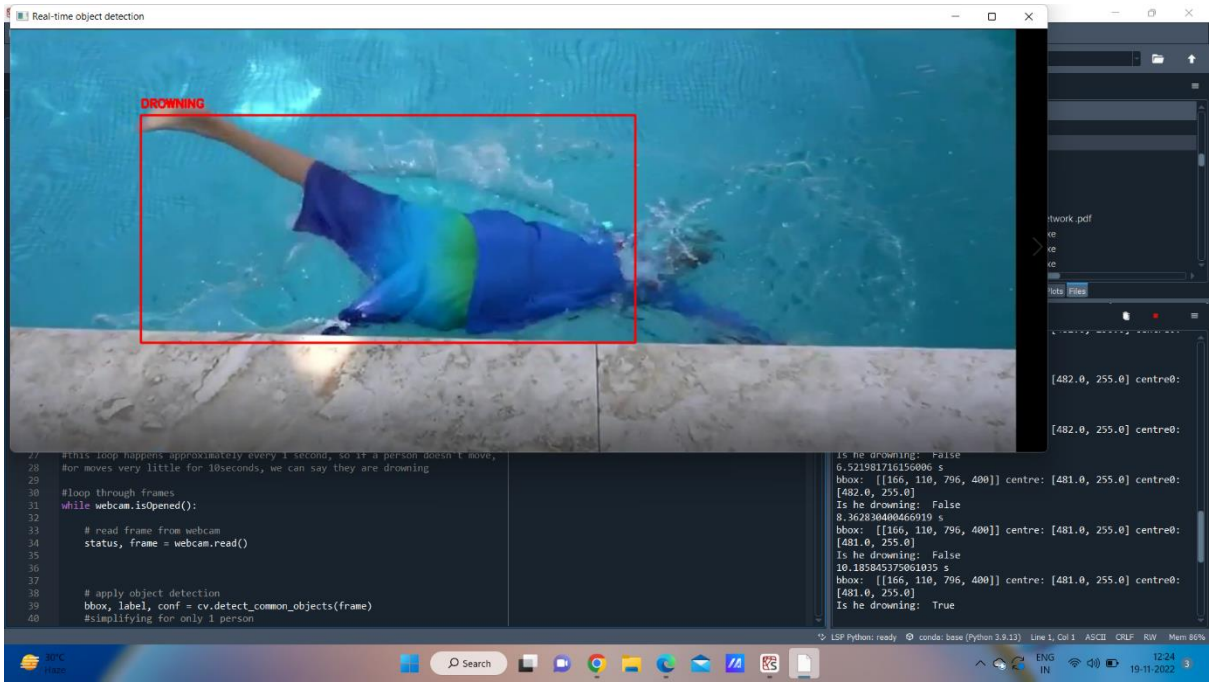
Sprint – 3 Testcase

Team ID	PNT2022TMID47734
Project Name	Project - Project - VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning

Case1: Detection of drowning

In this we will detect whether our project is capable of detecting a person drowning or not. This helps people to know whether the person is drowning or not.




Real-time object detection
DROWNING
#this loop happens approximately every 1 second, so if a person doesn't move,
#or moves very little for 10seconds, we can say they are drowning
#loop through frames
while webcam.isOpened():
# read frame from webcam
status, frame = webcam.read()
apply object detection
bbox, label, conf = cv.detect_common_objects(frame)
#simplifying for only 1 person
[482.0, 255.0] centre0:
[482.0, 255.0] centre0:
Is he drowning: False
6.521981716156006 s
bbox: [[166, 110, 796, 400]] centre: [481.0, 255.0] centre0:
[482.0, 255.0]
Is he drowning: False
8.362830400466919 s
bbox: [[166, 110, 796, 400]] centre: [481.0, 255.0] centre0:
[481.0, 255.0]
Is he drowning: False
10.185845375061035 s
bbox: [[166, 110, 796, 400]] centre: [481.0, 255.0] centre0:
[481.0, 255.0]
Is he drowning: True
LSP Python: ready
conda: base (Python 3.9.13)
Line 1, Col 1
ASCII
CRLF
RW
Mem 86%
Search
ENG
IN
12:24
19-11-2022