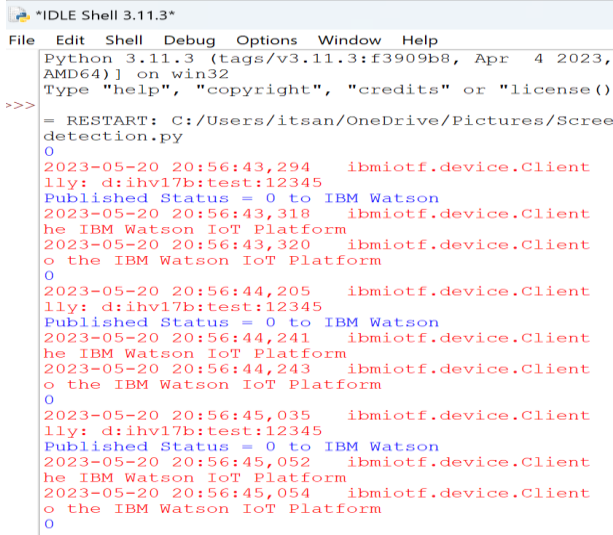
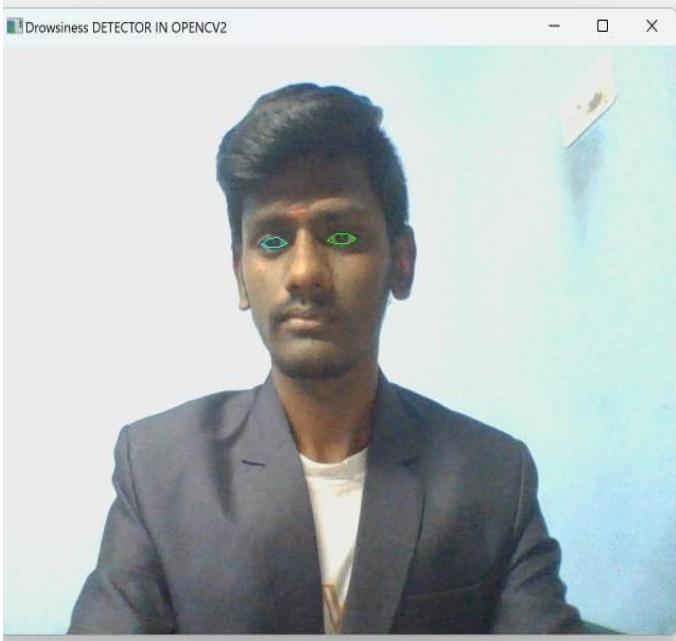


Project Development Phase Performance Test

Date	20 May 2023
Team ID	NM2023TMID01449
Project Name	Drowsiness Detection and Alerting System

Model Performance Testing:

Parameter	Values	Screenshot
Evaluation: ✓ Assess their ability to capture relevant data, such that eye behavior activity.	Execution: ➤ Status 0 (No Drowsiness Detected): When the output status is 0, it indicates that no drowsiness has been detected.  <pre> *IDLE Shell 3.11.3* File Edit Shell Debug Options Window Help Python 3.11.3 (tags/v3.11.3:f3909b8, Apr 4 2023, AMD64) on win32 Type "help", "copyright", "credits" or "license()" >>> = RESTART: C:/Users/itsan/OneDrive/Pictures/Screen detection.py 0 2023-05-20 20:56:43,294 ibmiotf.device.Client lly: d:ihv17b:test:12345 Published Status = 0 to IBM Watson 2023-05-20 20:56:43,318 ibmiotf.device.Client he IBM Watson IoT Platform 2023-05-20 20:56:43,320 ibmiotf.device.Client o the IBM Watson IoT Platform 0 2023-05-20 20:56:44,205 ibmiotf.device.Client lly: d:ihv17b:test:12345 Published Status = 0 to IBM Watson 2023-05-20 20:56:44,241 ibmiotf.device.Client he IBM Watson IoT Platform 2023-05-20 20:56:44,243 ibmiotf.device.Client o the IBM Watson IoT Platform 0 2023-05-20 20:56:45,035 ibmiotf.device.Client lly: d:ihv17b:test:12345 Published Status = 0 to IBM Watson 2023-05-20 20:56:45,052 ibmiotf.device.Client he IBM Watson IoT Platform 2023-05-20 20:56:45,054 ibmiotf.device.Client o the IBM Watson IoT Platform 0 </pre>	Status 0 (No Drowsiness Detected): 

Implementation:

- ✓ Implement a drowsiness detection algorithm based on eye closure analysis.
- ✓ Capture data from IOT devices and process it using OpenCV.
- ✓ Integrate an alerting mechanism to notify users when drowsiness is detected.

Execution:

- **Status 1 (Drowsiness Detected):** When the output status is 1, it indicates that drowsiness has been detected by the system.

```
*IDLE Shell 3.11.3*
File Edit Shell Debug Options Window Help
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr  4 2023,
AMD64) on win32
Type "help", "copyright", "credits" or "license()"
>>>
= RESTART: C:/Users/itsan/OneDrive/Pictures/Screen
detection.py
1
2023-05-20 21:00:31,544 ibmiotf.device.Client
lly: d:ihv17b:test:12345
Published Status = 1 to IBM Watson
2023-05-20 21:00:31,575 ibmiotf.device.Client
he IBM Watson IoT Platform
2023-05-20 21:00:31,578 ibmiotf.device.Client
o the IBM Watson IoT Platform
1
2023-05-20 21:00:35,435 ibmiotf.device.Client
lly: d:ihv17b:test:12345
Published Status = 1 to IBM Watson
2023-05-20 21:00:35,452 ibmiotf.device.Client
he IBM Watson IoT Platform
2023-05-20 21:00:35,456 ibmiotf.device.Client
o the IBM Watson IoT Platform
1
2023-05-20 21:00:39,327 ibmiotf.device.Client
lly: d:ihv17b:test:12345
Published Status = 1 to IBM Watson
2023-05-20 21:00:39,341 ibmiotf.device.Client
he IBM Watson IoT Platform
2023-05-20 21:00:39,345 ibmiotf.device.Client
o the IBM Watson IoT Platform
```

Status 1 (Drowsiness Detected):

