

TEAM : ALGOGENIUSES (42)

DOMAIN : SECURITY AND SURVILLIANCE

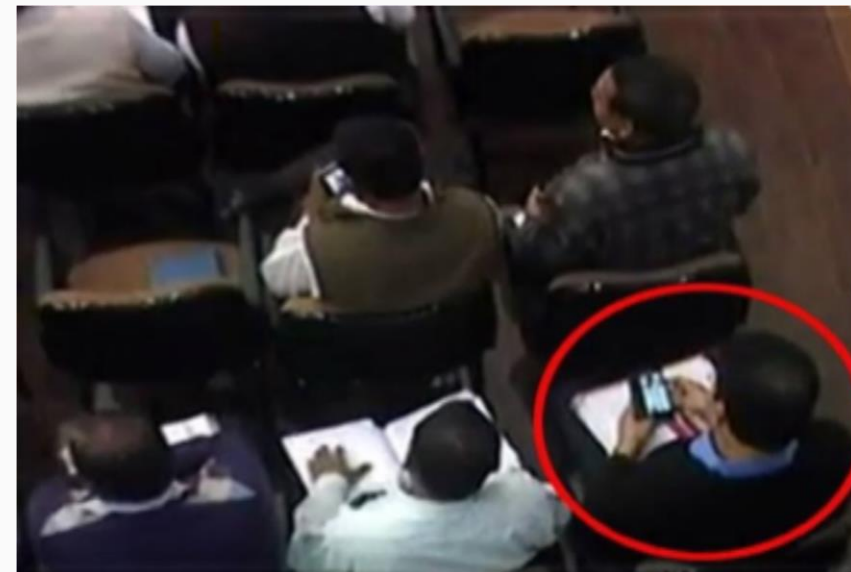
**TEAM :
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PROBLEM STATEMENT :

- In environments like political offices, classrooms, and workplaces, excessive smartphone usage disrupts focus and productivity.
- **Need for Monitoring:** There is a need for an AI-driven surveillance system to monitor smartphone usage during work hours and identify distractions.
- **Promoting Focus:** The system should send automated reminders to encourage discipline, maintain productivity, and ensure a distraction-free environment, while respecting privacy.



Unwanted phone usage in
parliament meetings ,
classrooms, work places ,
restricted environment etc.



USE CASES :

- ✓ **Political Offices:** Ensure focus on governance by reducing smartphone distractions
- ✓ **Classrooms:** Minimize distractions to enhance student learning.
- ✓ **Healthcare Settings:** Maintain focus during critical medical tasks.
- ✓ **Public Transport (Drivers):** Enhance road safety by discouraging phone use while driving.
- ✓ **Event Management:** Keep organizers and participants focused during professional events.

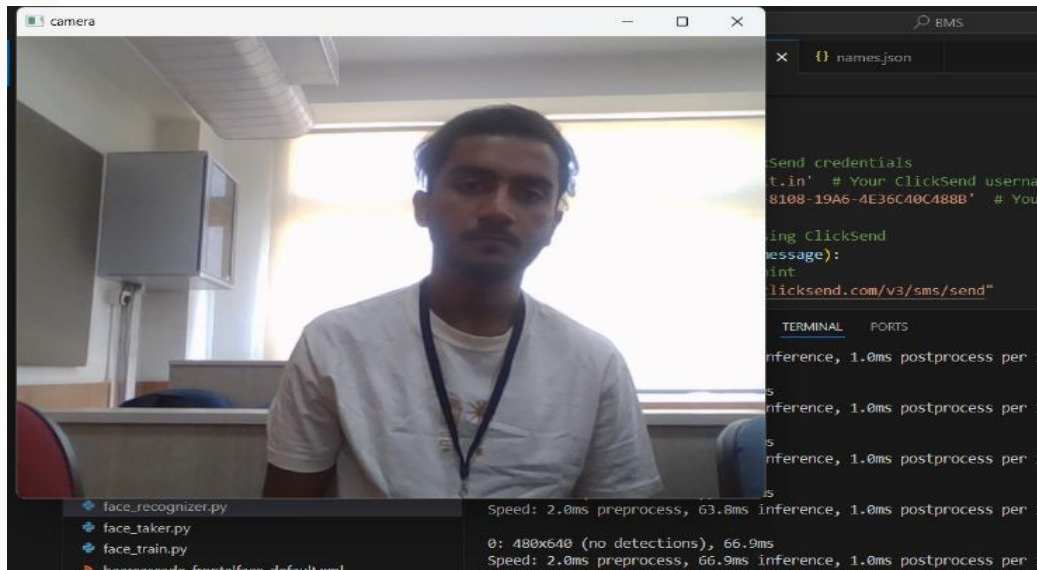
POSSIBLE APPLICATIONS

- In Government Sectors like NAL,BHEL mobile phones are strictly prohibited . These leads to allot of inconcviniences . Hence interns demand the allowance of the mobile phones with restricted usage .
- Our project might be a solution to monitor the phone and its restricted usage in such scenarios where the admins get notified incase of excess mobile usage
- Enforces no-phone policies in high-security zones such as data centers, research labs, or defense facilities.Ensures compliance with regulations regarding the handling of confidential information.

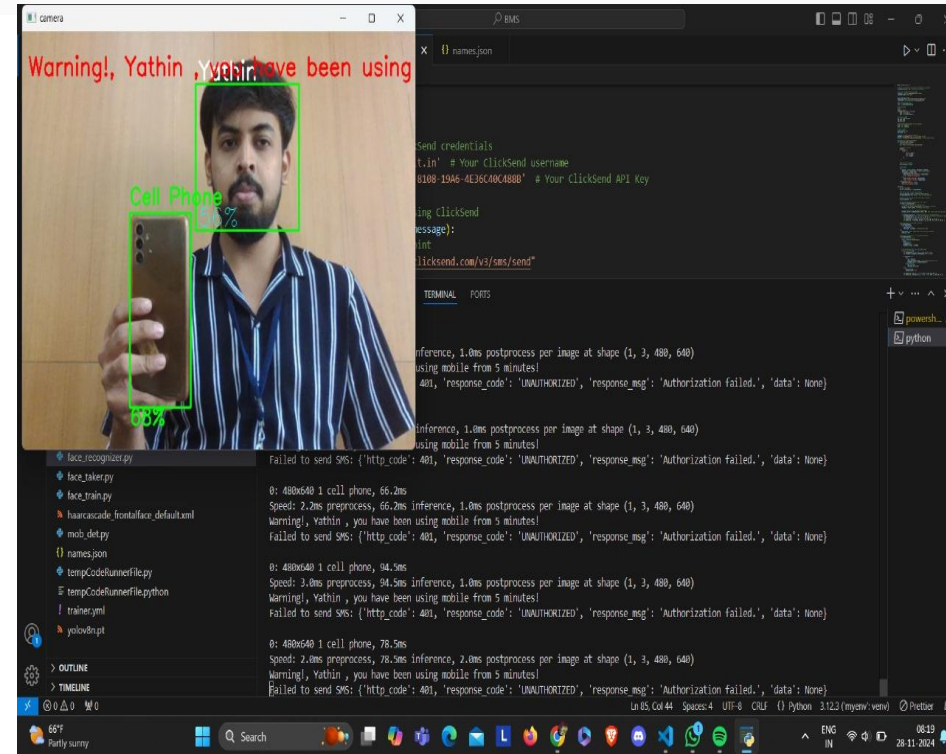
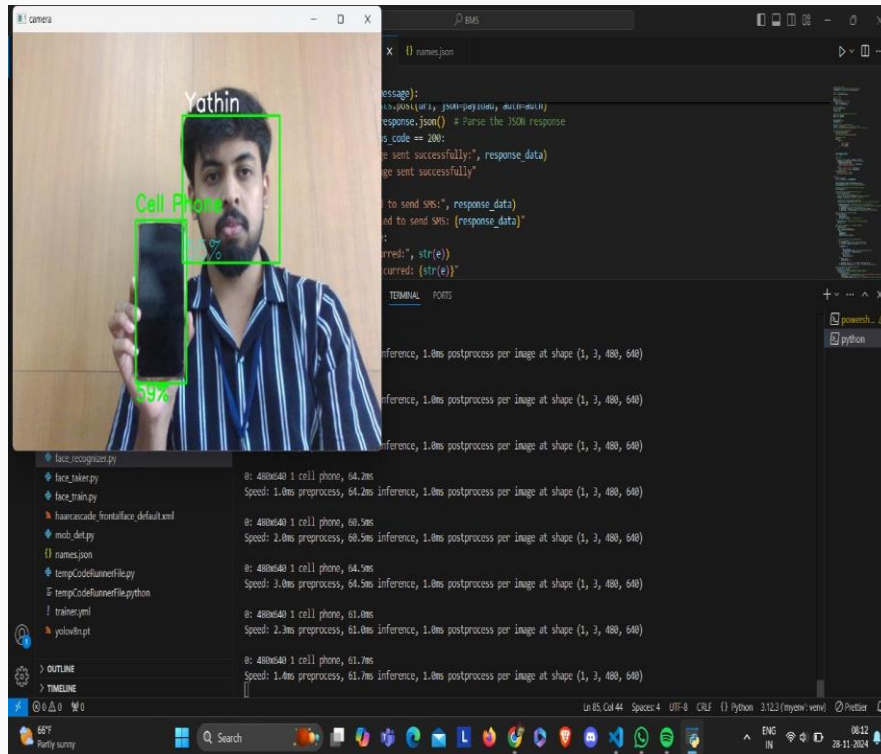
WORK FLOW:

- 1.We are using LBPH Image Recognition Library to train the dataset.
- 2.Also register the users .
- 3.We have used yolo model for phone detection .
- 4.If a person is using his phone for more than 3 minutes , he will get an alert message .
- 5.His name along with his details will be sent to admin as well .

RESULTS



If the individual is not using the mobile phone , there are no changes . The CCTV surveillance continues.



Here an individual with phone will be detected and his timer of usage of phone will start .

Once the threshold limit usage is crossed – He will get notified

Yathin Mobile has been using a
mobile phone for over 5 seconds!

Also a Message notification to
the admin , reporting the
excess usage of phone .

IMPACT

- **Improved Productivity:** Helps individuals stay focused, increasing efficiency in professional and educational settings.
- **Enhanced Discipline:** Encourages responsible phone usage, fostering a culture of accountability.
- **Better Learning Outcomes:** Reduces distractions in classrooms, leading to improved academic performance.
- **Safer Environments:** Prevents accidents by monitoring phone usage in sensitive areas like healthcare and transportation.
- **Time Management:** Promotes effective use of time during critical work hours.
- **Data-Driven Insights:** Provides valuable analytics on smartphone usage patterns for informed decision-making.
- **Behavioral Change:** Encourages long-term habits of reduced smartphone dependency during work.

THANK YOU!

