

A T V I S I O N

S M A R T   I N D I A  
H A C K A T H O N

# PK860 - "SWITCH OFF"

"SWITCH OFF" BIOMETRIC ATTENDANCE ON MARCH 5TH, 2020 DELHI GOVERNMENT ANNOUNCED THE SUSPENSION OF BIOMETRIC ATTENDANCE IN ITS OFFICES VIA A LETTER WRITTEN TO PRINCIPAL SECRETARIES, SECRETARIES, AUTONOMOUS BODIES, AND MUNICIPAL CORPORATIONS FOR THE SUSPENSION OF BIOMETRIC ATTENDANCE TO CONTAIN THE SPREAD OF CORONAVIRUS. HOWEVER, IT WAS ON FEB 17TH, 2020 WHEN MAHARISHI VALMIKI HOSPITAL IN THE CAPITAL CITY OF INDIA SUSPENDED BIOMETRIC ATTENDANCE ANNOUNCING IT AS A "PRECAUTIONARY MEASURE" AFTER MANY OF ITS EMPLOYEES COMPLAINED TO THE AUTHORITIES THAT TOUCHING THE BIOMETRIC SYSTEM IS "PSYCHOLOGICAL UNEASE" ON ACCOUNT OF CORONAVIRUS SCARE. THE NEED FOR THE SYSTEM IS AN UNTOUCHABLE DEVICE. AND ALSO STUDENTS CAN'T CHEAT WITH THE SYSTEM. DEVISE A SECURE WAY TO TAKE ATTENDANCE OF STUDENTS AND TEACHERS IN A TOUCHLESS AND PAPERLESS MANNER IN ORDER TO HAVE A SUSTAINABLE WAY. THIS PROJECT AIMS TO PROVIDE A TOUCHLESS AND PAPERLESS ATTENDANCE SYSTEM.

# ATVISION

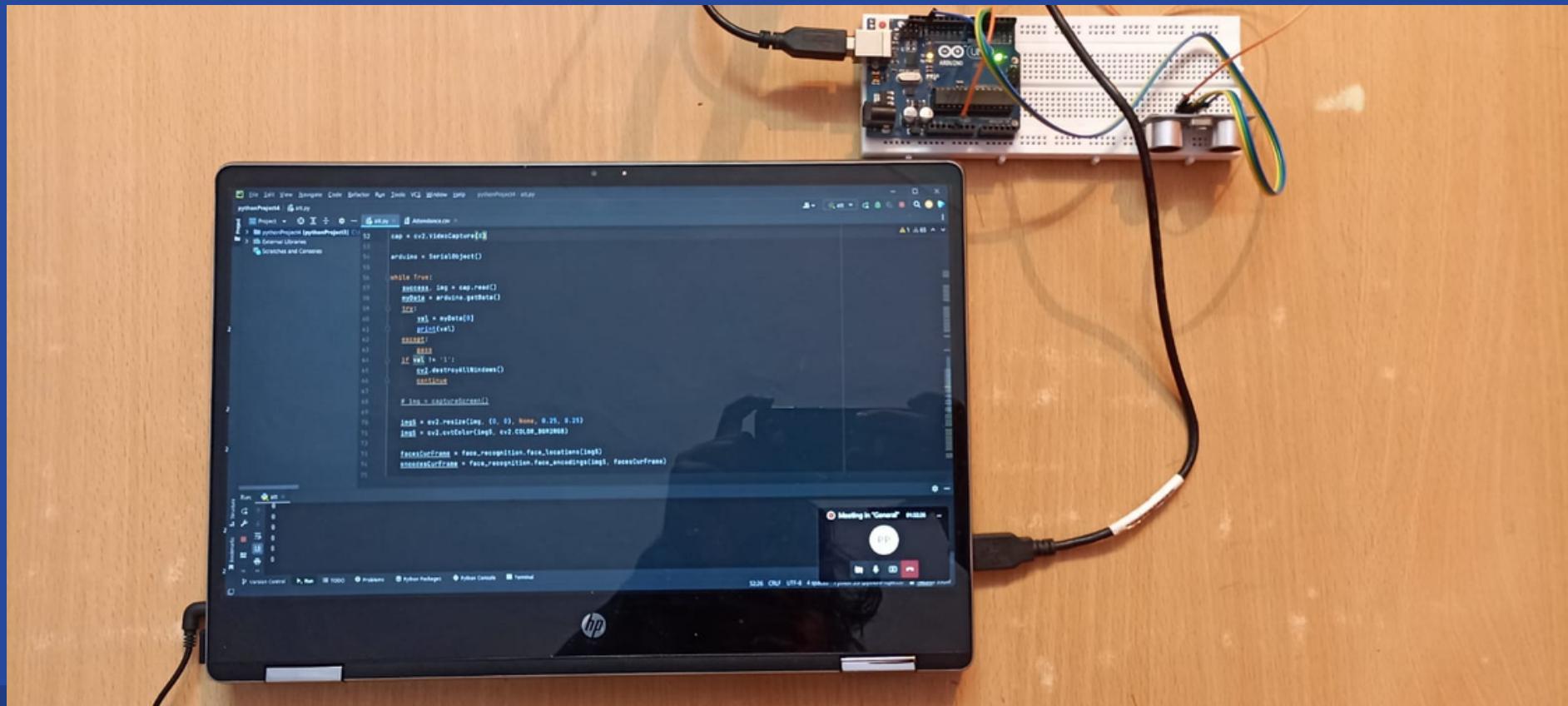
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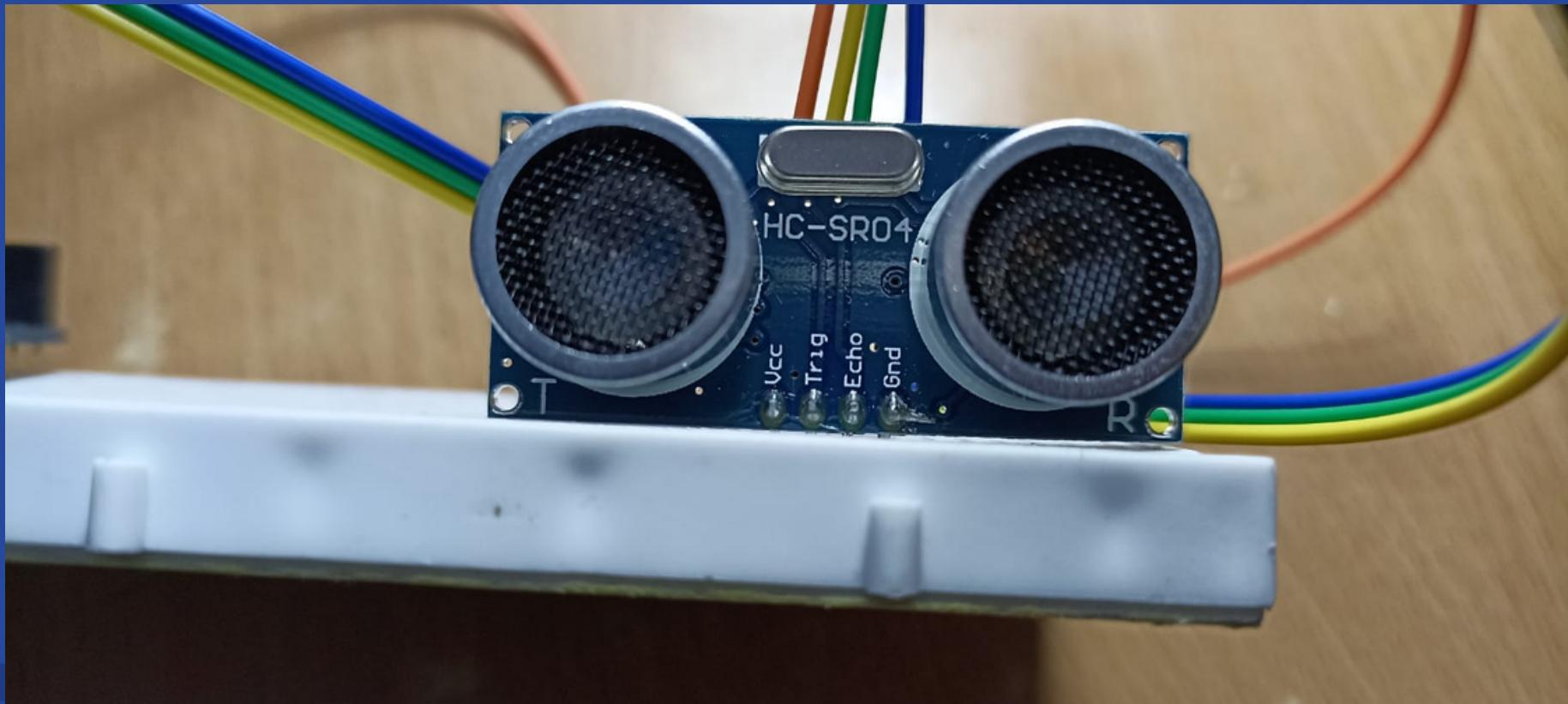
What our project does?

a secure way to take attendance of students and teachers in a touchless and paperless manner in order to have a sustainable way. This project aims to provide a touchless and paperless attendance system.

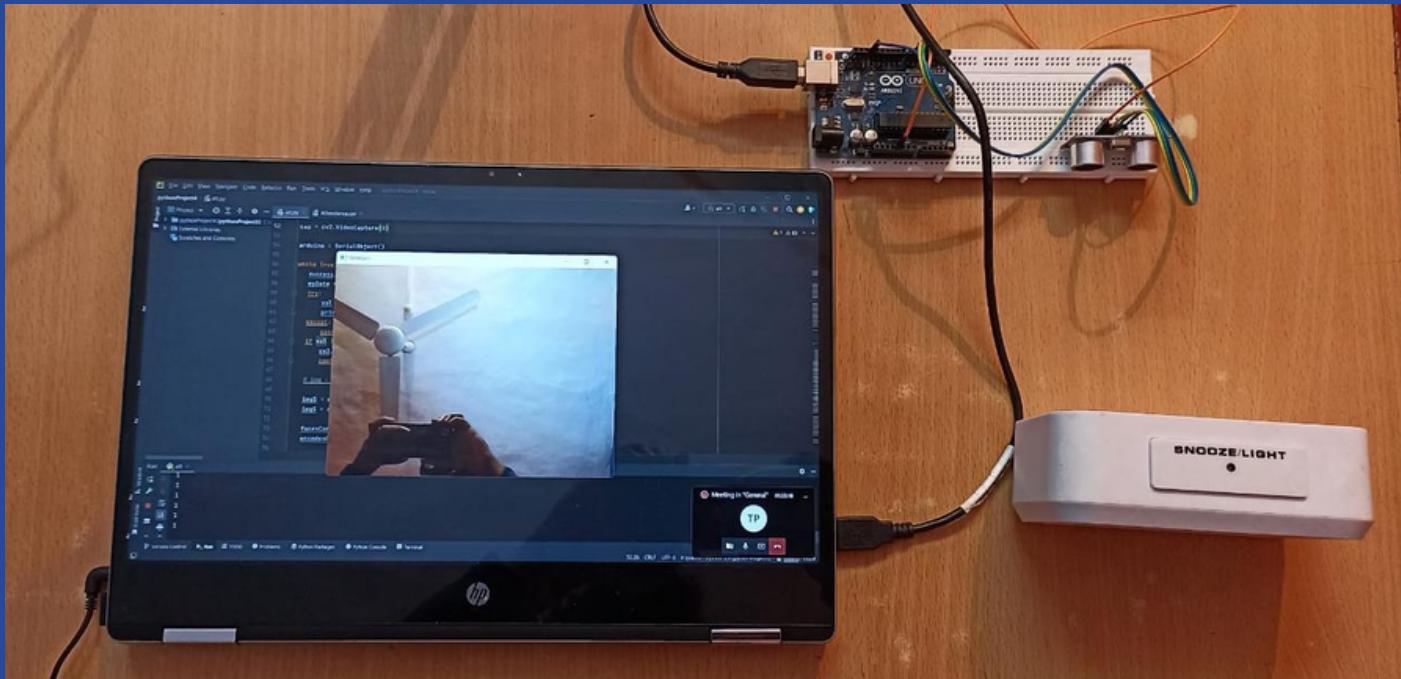
# Our Project



# Detecting Presence



# Our Setup



## **Our Hardware Consists of**

Our project consists of an Arduino Uno a HC-SR04 ultrasonic sensor and webcam (or external camera).

Depending upon the requirement, this solution can be integrated with the already existing computing systems and camera networks or can be implemented as a standalone solution.

# Advantages

- Real Time – notification – safety
- Secure
- Flexibility
- Ease of Use

# Advantages

- Hassle Free
- Free from Human Error
- Fast and Reliable
- Twofold Reliability
- Efficient

# Social Impact

- Saves Valuable Time
- Makes The process of Attendance Rigorous
- Reduces Psychological Unease
- Deals with the Covid scare

# Thank You