

# ATM threat alerting system

19CCE381 IoT and Computing Lab Term Project

GROUP - 17

|           |                  |
|-----------|------------------|
| MOHAN V   | CB.EN.U4CCE20033 |
| SOORYA S  | CB.EN.U4CCE20059 |
| TAUSHIQ B | CB.EN.U4CCE20064 |
| VARUN S   | CB.EN.U4CCE20069 |

## Abstract



- The Idea of Designing and Implementation of ATM threat alerting project is born with the observation in our real life incidents happening around us.
- This project deals with prevention of ATM theft from robbery.
- So to overcome the drawback in the existing technology. When ever robbery occurs, the situation is analyzed and the emotion of the user and the thief are detected using the camera mounted in the ATM.
- The alert message is sent to nearest police station. Pi-Camera used to capture the situation and send the message within time to the nearby police station and corresponding bank through the GSM. ATM is switched off which will prevent the thief to threaten the user to withdraw money.
- This will prevent the robbery and the person involving in robbery can be easily caught.

# Flow Diagram

Transmitter side:



Receiver side:



# Components

## Tx Side

Pi-Camera

LED

Resistor

## Rx Side

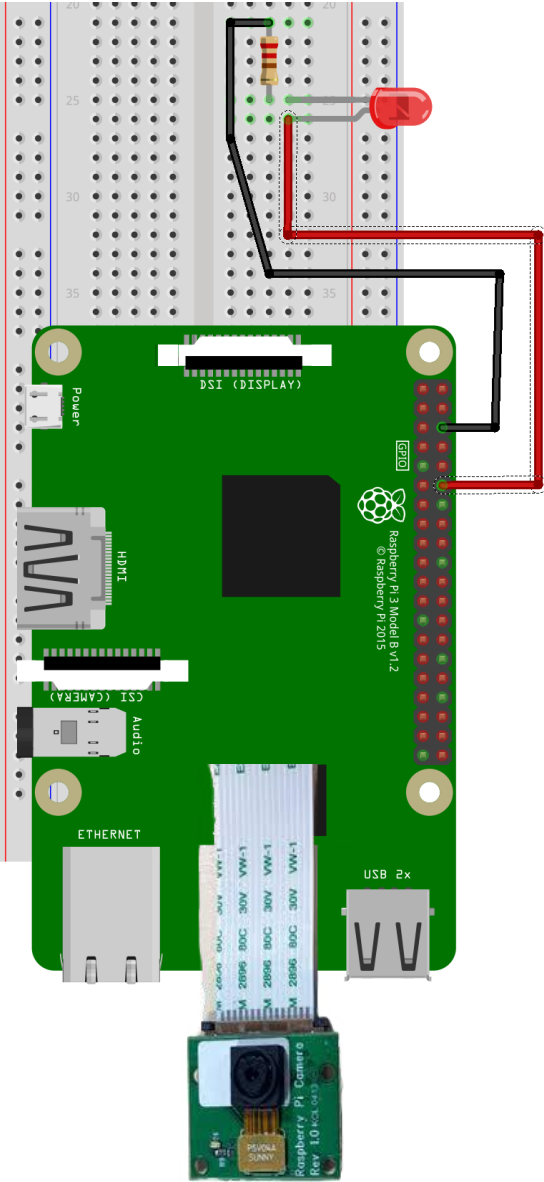
Photo  
transistor

GSM  
module

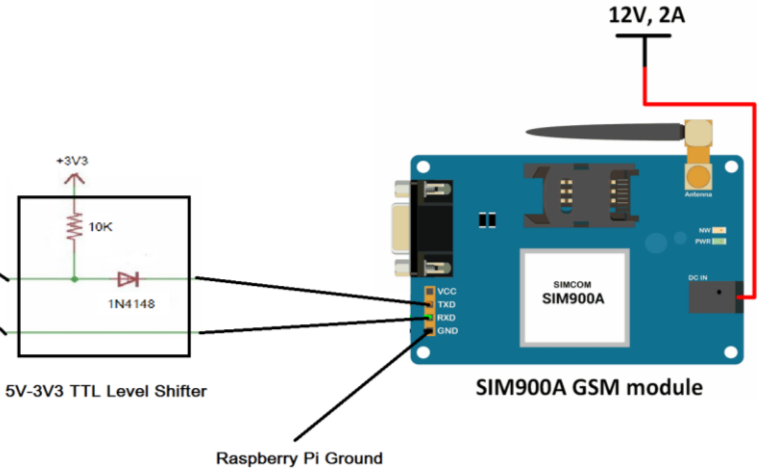
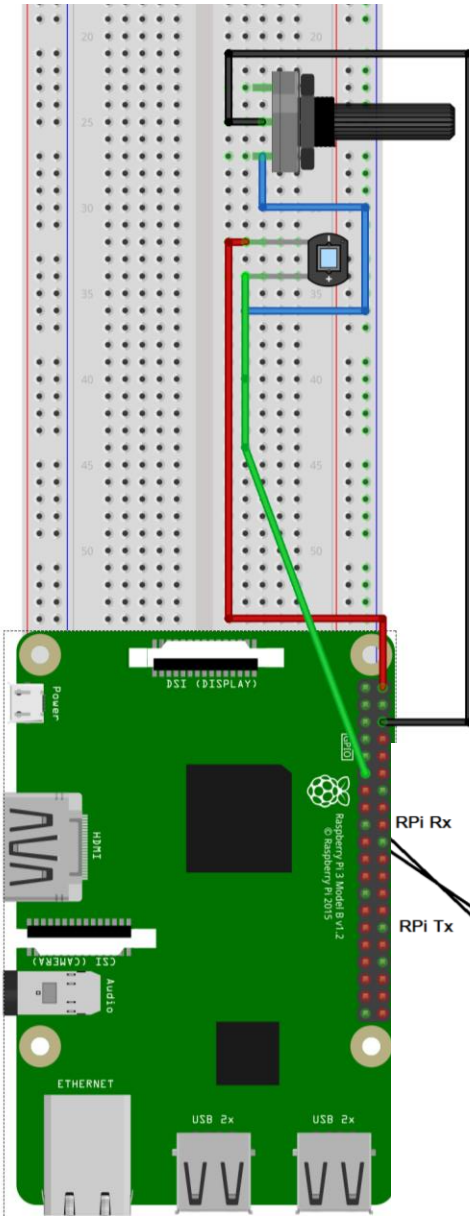
Potentiometer

Transmitter side:

# Circuit Diagram



Receiver side:



# Uses



Independent of  
ATM's internet –  
because of  
separate GSM  
module



Complete information  
of this event to the  
bank

Immediate action of police upon the robbery



Analytics of the  
possibilities of  
robbery places