



Protectifier

An Anti-Felony Flooring Mat

Presenters

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Protectifier – An Anti-Felony Flooring Mat

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Agenda

- ❖ Objective of the Proposed Idea – Protectifier
- ❖ Proposed System
- ❖ Working of Protectifier
- ❖ Present & Future Peculiarities of proposed system
- ❖ Social Impact of the proposed system
- ❖ Conclusion
- ❖ References/Bibliography

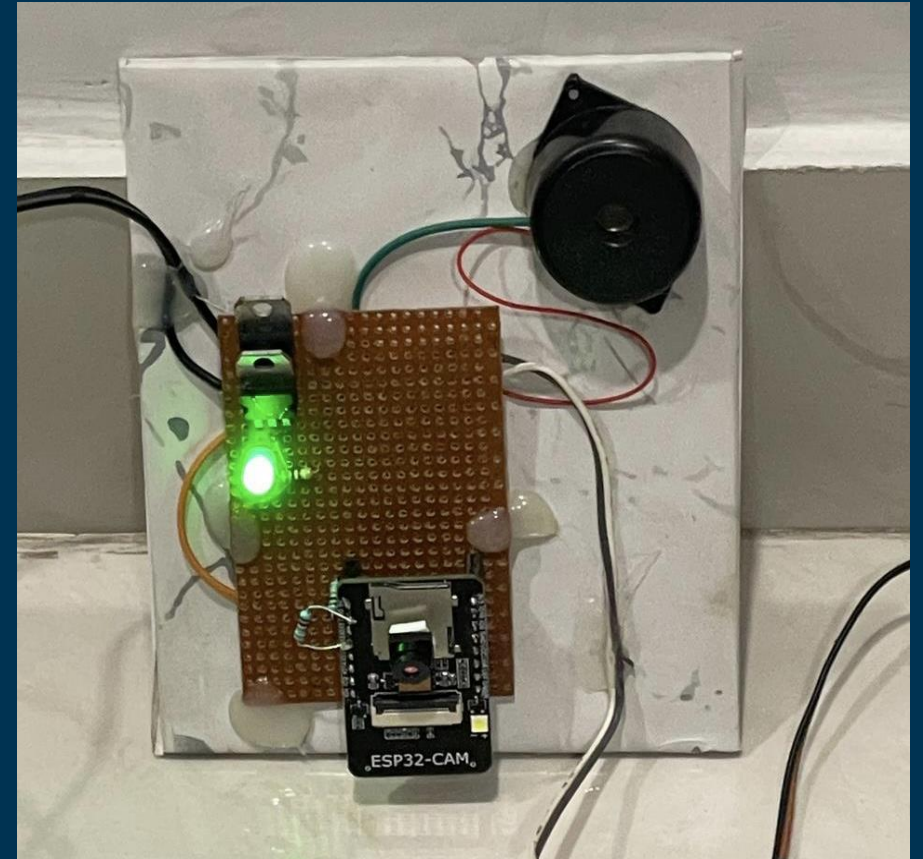
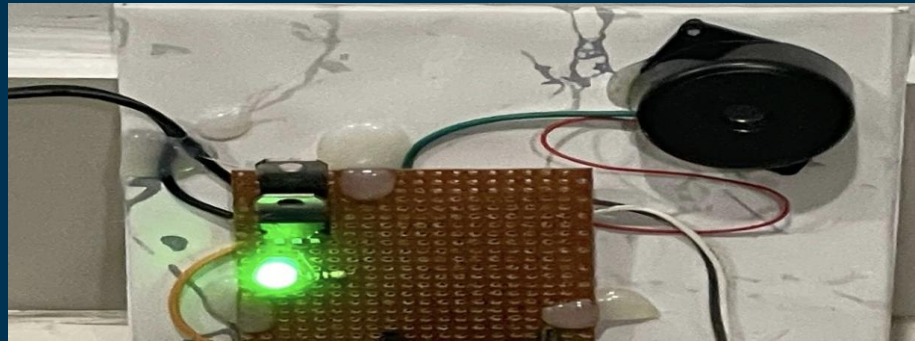
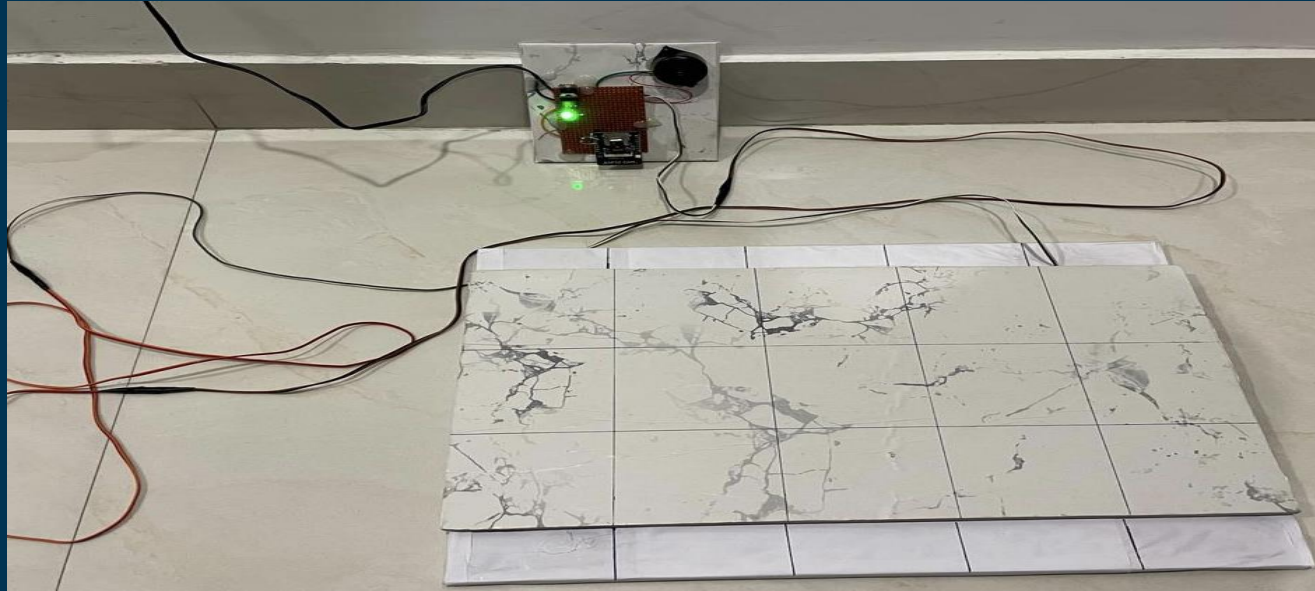
Objective

Security and Surveillance has always been a necessity for the urban population. With the rapid urbanization and development of big cities and towns, the graph of crimes is also on the rise. To secure and guard our house in our absence, **Protectifier** comes up to the rescue.

Protectifier is a secure flooring tile connected with IoT when we go out of our home, this security & surveillance system can be turned on, then whoever tries to break inside the house the system passes the information over IoT. This system is powered by ESP32 CAM which includes 24/7 live streaming of one's property or belongings. The proposed prototype has a Tile, Pressure Sensors, Siren, ESP-32 CAM Module, Live Streaming and Captures.

Protectifier is an **Anti-Felony Mat** which is an essential, productive, reliable, and economical security tool which anyone and everyone can utilize. This system is designed to protect and safeguard one belongings and intellectual properties from unauthorized access and it is a likely-looking tool for smart and urban cities to rely on.

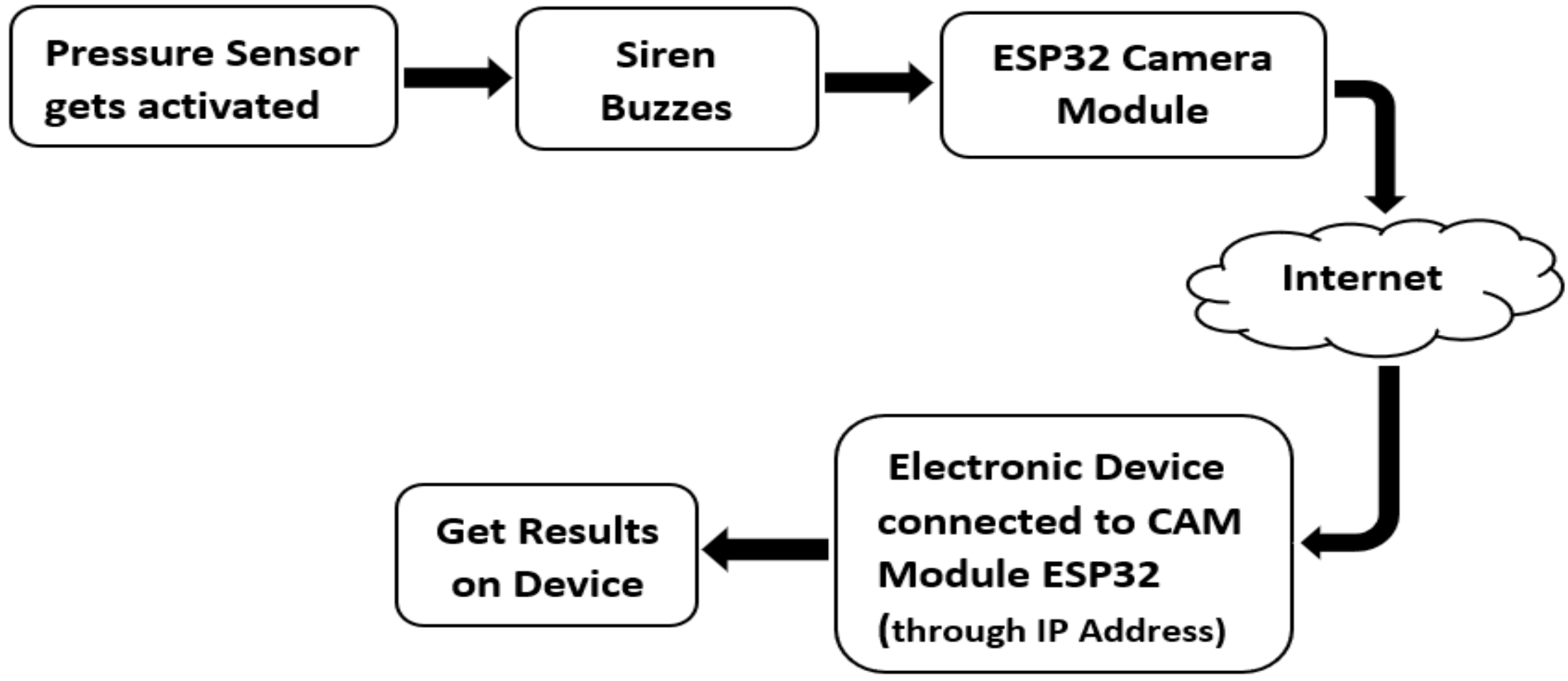
Protectifier



Proposed System

Protectifier is a secure flooring tile connected with IoT when we go out of our home, the system can be turned on, then whoever tries to break inside the house the system passes the information over IOT. This system is powered by ESP32 CAM which includes – Tile for demonstration purpose, Pressure Sensor to detect the pressure, Camera to get the live stream and to capture the person. So, whenever there is an unauthorized access in the house, or someone tries to break inside the house, immediately it will notify the owner over the connected local device (mobile, laptop, etc.) and an image can be captured and saved on the system for proof! Also, a Siren sound will alert the surroundings.

Working of Protectifier



Working of Protectifier

1. Whenever required, turn on Protectifier. The system provides connectivity between Protectifier and local devices (mobile, laptop, etc) through IP Address over the browser.
2. Whenever there is an unauthorised access in the house, pressure sensors gets activated and record the pressure and weight of the person.
3. Along with it, to alert the surroundings, siren buzzes.
4. Over the interface live streaming is available to safeguard the property.
5. If there is any unauthorised access, the system will notify the owner and provides an option to capture the proof for unauthorised access. The captures can be saved on local devices.

Working of Protectifier



Link of the working system: <https://drive.google.com/drive/folders/1-3gHw1vj4NMZhEZe3wijOKdoWZu8yxpd>

Future Prospects

Present Peculiarities

- ❖ Date & Time of the felony.
- ❖ Live streaming and Series of Digital Images of Swindler or of felony.
- ❖ Siren to alert the surroundings.
- ❖ Pressure Sensors for generating data of larceny or crime scene - to detect weight of swindler, foot prints, gender, etc.

Future Peculiarities

- ❖ E-Mail Notification to the owner and concerned authorities (Police Station, or concerned authorities).
- ❖ Facial Recognition.

Social Impact of the Idea

This Model will have a quality impact on the society; It will help prevent and reduce felony, minimalistic capital security tool which can be stipulated by anyone and everyone, provides live streaming and proofs for any misunderstand or mis- happenings.

Considering everything, Protectifier is strong Security tool for securing and safeguarding people's intellectual properties and belongings.

Conclusion

This Anti-Felony Mat is an essential, productive and reliable security tool. It is a forceful security tool for developing, urban and smart cities.

Protectifier is an economical tool which anyone and everyone can utilize. The overall implementation cost of this prototype is ₹1800/- only.

Bibliography/References

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Thank You!