

## **ABSTRACT**

*Technological advancements are posing new challenges in home security. Traditional systems such as padlock locks are often ineffective against burglars, especially when residents are absent or asleep. More sophisticated security systems are needed. The Internet of Things (IoT) enables remote home monitoring through internet-connected devices. The use of SIM900A and ESP32-Cam modules enables notifications, live streaming, and facial recognition. The system also features an alarm that sounds a loud buzzer to alert neighbors when there is a threat from burglars. This technology aims to simplify and enhance home security with tighter and more convenient automated surveillance.*

*Keyword: Smart Home, Face Recognition, IoT, GSM SIM900A, ESP32-CAM*