

The background of the slide features a close-up, artistic shot of a lit incandescent light bulb. The glowing filament is the central focus, with light rays emanating from it. The bulb's glass and metal base are visible, and the overall color palette is a mix of warm yellows from the light and cool blues from the background. Faint, stylized circuit board lines are overlaid on the image, particularly on the left and right sides, adding a technological or 'hackathon' theme to the visual.

SPARK HACKATHON 2.0

EVILTRON

(SENSOR BASED SMART SOLUTIONS)

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Our Ideas

SENSOR BASED SMART Solutions

- IOT based Electric Switch Board
- Smart Cam
- A model of Smart Home

SECURITY PENETRATION TESTING TOOLS

Wi-Fi Deauther



IoT Based Electric Switch Board

- It's a basic switch board with IoT capabilities.
- We can turn ON & OFF your lights and appliances from your Smart Phone via an APP or google Assistant.
- Also we can use as normal switch board.
- Automatic light switching by human detection.



Advantages

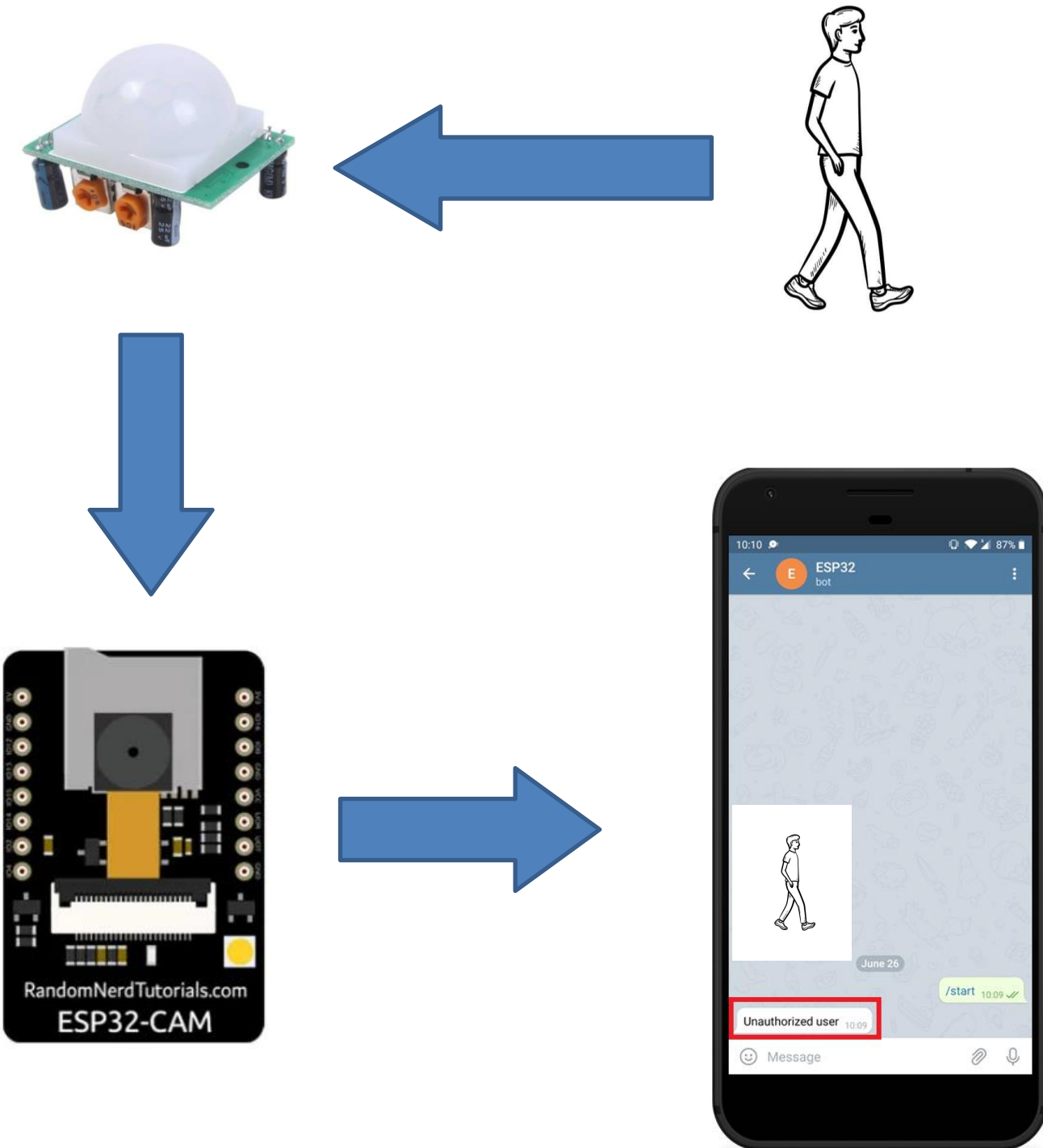
- Cheap in price 8 Moduler(below 2k INR)
- Simple to use.
- Less electricity consumption due to smart light switching.
- Control it from smartphone.
- Easy to setup.

Smart Cam

- It's a IOT based Security Camera .
- It can detect presence of any human.
- When it detects any person (thief or intruder) it will notify you on your smartphone via Telegram.

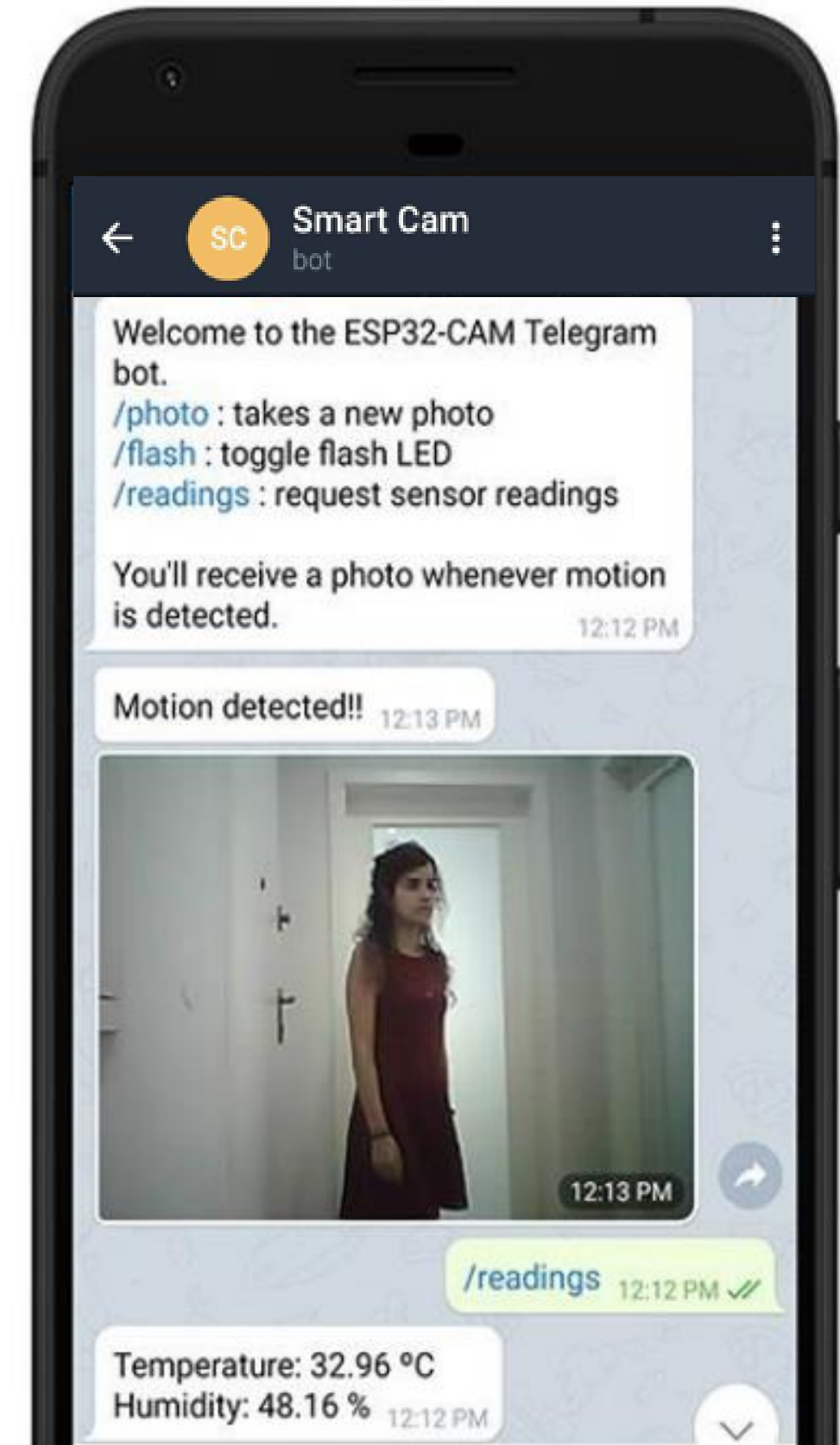
How it Works

- Someone enters in the Room
- PIR detects him
- Smart Cam captures his Image
- Cam sends this image through Telegram.



Advantages

- Cheap price (below 2k INR)
- Portable and Small size
- Easy installations, Just plug & play.
- Zero maintenance
- You can set ON OFF timing according to your needs such as only at NIGHT .
- Instant intruder alerts



Some Improvements

- Picture Quality.
- Live video Feed
- Battery system (like UPS).

Targeted Audience –

- Small shops like general stores, kirana shops.
- For home security
 - It look likes a good alternative for currently available security cameras like “Mi Cam” & other, but we are focusing on Sensor based human detection which is not present on these cameras.



Smart Home

Smart Home specifications(Working Model)

RFID Based Door Unlock

Smartphone Based Door Unlock

LPG Gas Leakage Warning System

Water saving solution



RFID& Smart Phone Based Door Unlock

In an RFID door lock access control system, the user's credential (usually a RFID chip) contains unique identifying information called a tag. When the user comes within proximity of a reader, the reader's signal locates the information stored on the user's RFID tag, and sends it through antennas and transceivers to authorize the tag in the access control system.

User also control door using SmartPhone.

Gas Leakage Warning System

Gas leakage detection systems are an integral part of a safety system , providing the first line of defense against the possible disasters of gas leakage. It detects the gas leakage and triggers an alert system to activate safety precautions and send notification to our Smartphone.

Fire Alarm & Protection System

Fire Alarm System is designed to alert us to an emergency so that we can take action to protect ourselves, staff and the general public. Fire alarms are found in Offices, Factories, and public buildings, they are a part of our everyday routine but are often overlooked until there is an emergency at which point, they might just save our lives.

Security Penetration Testing Tool

(currently in development phase)

- **Wi-Fi deauther** - It's a wifi penetration tool based on Arduino for learning about wifi security.
- It can disconnect you from your Wi-Fi without your permission.
- It can also track your presence at your home by analysing wifi signals.

Wikipedia – [Click here to learn more](#)



Our Team

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**THANK
YOU**



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