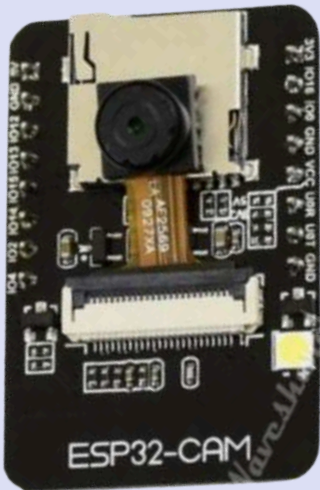


# SENTINEL ROVER



## ELECTRICAL

The energy used to power the Sentinel Rover's components, including the Node MCU, ESP32-CAM, and motor driver, ensuring seamless operation and real-time surveillance.

## COMMUNICATION

The Sentinel Rover utilizes wireless communication through Wi-Fi, enabling real-time video streaming and remote control

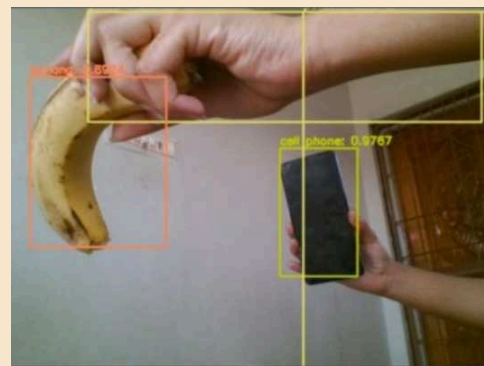
## MECHANICAL

The energy used by the Sentinel Rover's motors to generate movement, allowing it to navigate different terrains efficiently.



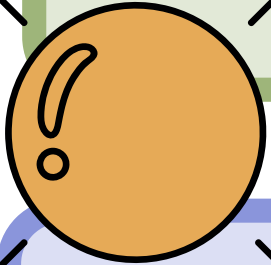
## IMAGE PROCESSING

Enhances object detection and real-time analysis



## DATA TRANSMISSION

Ensures fast and efficient wireless video streaming.



## TEAM MEMBERS

- NISHANTH S
- NIVETHA S
- SOWMIYA S
- SUBAVENI C



## DEFENSE TECHNOLOGY

Supports security, reconnaissance, and tactical operations efficiently.