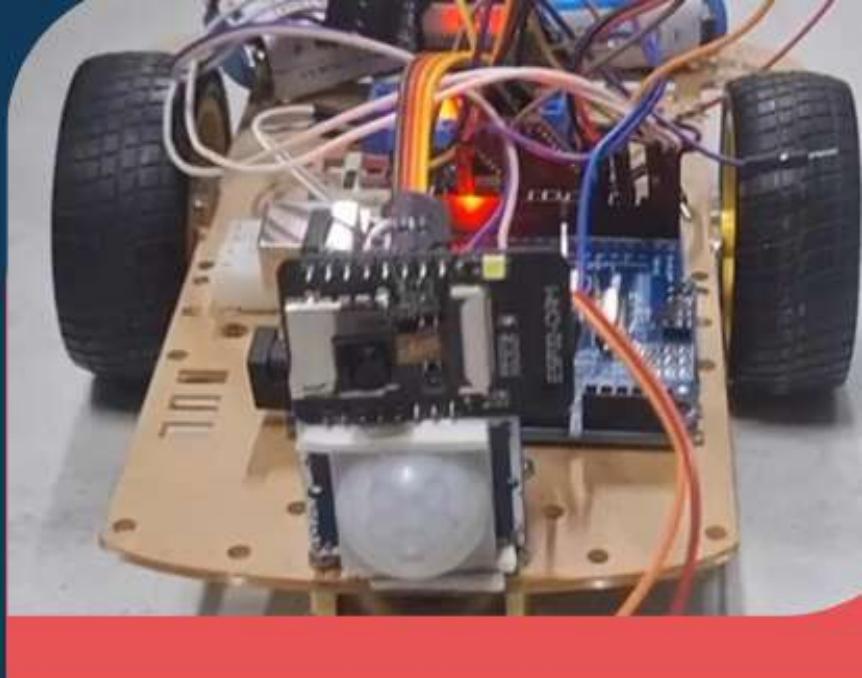


SMART PATROL BOT

Bluetooth controlled

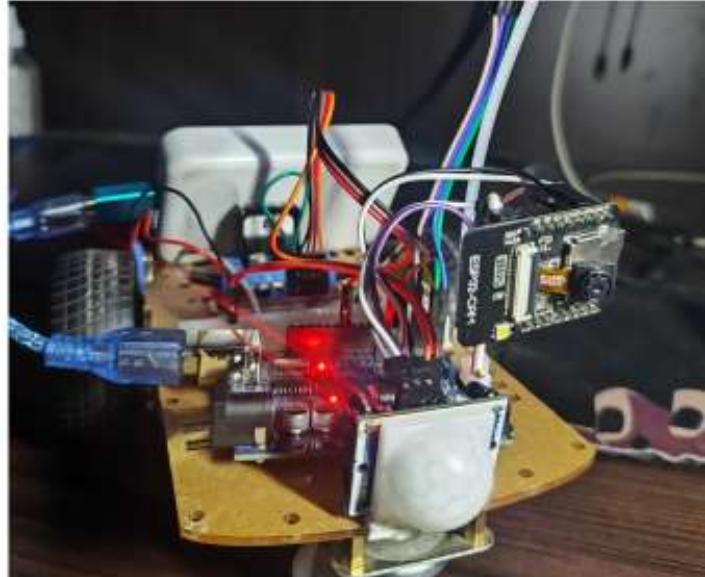


Project Overview:

The Smart Patrol Bot is an autonomous home surveillance robot designed to patrol indoor spaces, detect motion, and provide real-time images through telegram bot. Built on the ESP32-CAM platform, it integrates PIR motion sensors, DC motors, and python flask for face detection, ensuring intelligent, secure, and efficient patrolling.

Hardware Components:

- **ESP32-CAM Module**
- **PIR Motion Sensors**
- **DC Geared Motors & Motor Driver**
- **9V Power Supply**
- **ESP32-CAM with Wi-Fi connectivity**
- **PIR Sensor for motion detection**
- **Live video streaming through Blynk**
- **Autonomous and manual control modes**
- **Telegram Bot Integration**
- **Image Capture with ESP32-CAM**
- **Bluetooth-Controlled Movement**



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