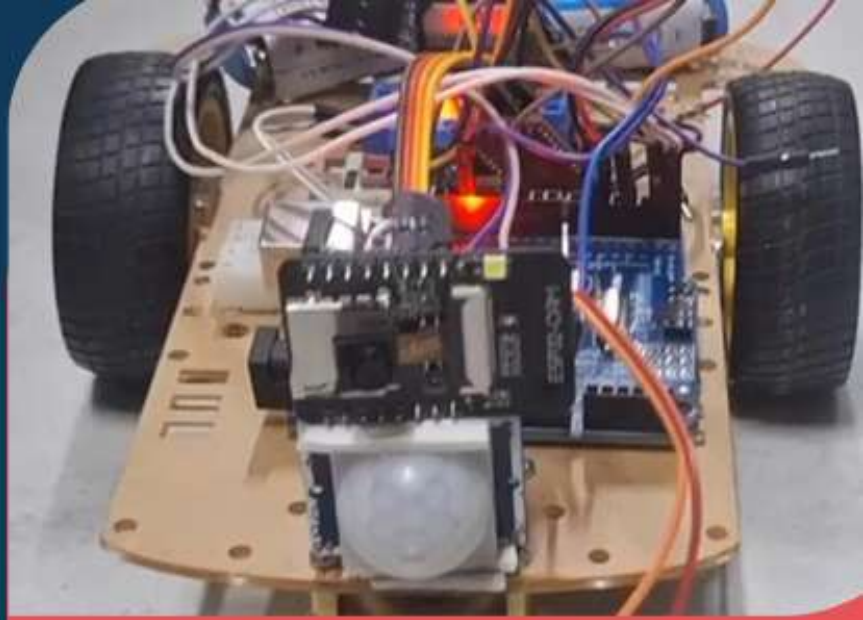


SMART PATROL BOT

Bluetooth controlled

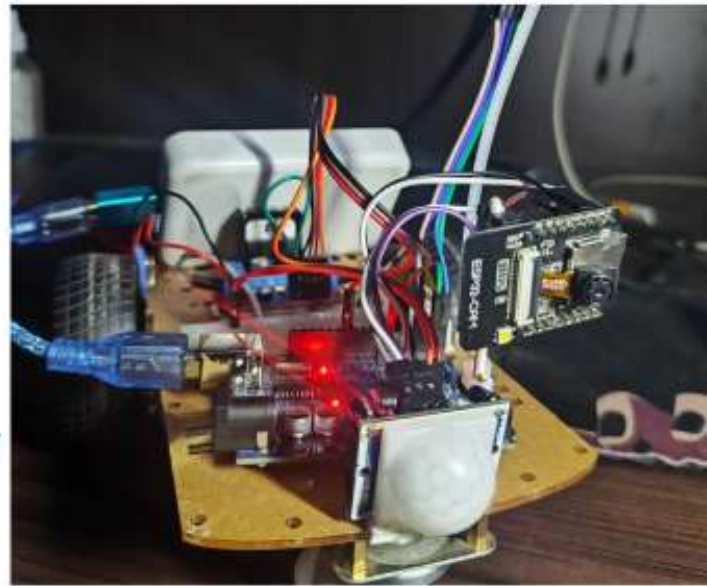


Project Overview:

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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