**Spy Robot with Live Streaming and Multi-Sensor Detection**

**Abstract:**

This project presents the design and development of an Internet-controlled **spy robot** equipped with sensors for **metal detection**, **fire detection**, and **harmful gas detection**. The system is intended for surveillance and safety monitoring in hazardous or restricted environments where human access is risky.

The robot is built on a mobile platform powered by a microcontroller ESP32 and can be operated remotely via the Internet using a web or mobile interface. Live data from the onboard sensors is transmitted to the user in real-time, enabling remote monitoring and control. The **metal detector** helps in identifying concealed metallic objects, the **fire sensor** (e.g., flame or temperature sensor) alerts about possible fire hazards, and the **gas sensor** (e.g., MQ series) detects harmful gases like LPG, CO, or smoke.

The system enhances security, safety, and operational efficiency, especially in industrial zones, military applications, and disaster-prone areas, where real-time feedback and remote access are critical.

**BLOCK DIAGRAM:**

