

IOT BASED SURVEILLANCE ROBOT

ABSTRACT:

This project is to design and build a manually control IOT based surveillance robot. The purpose of the robot is to be able to roam around in a given environment while transmitting back real time data (video) to the ground station over the internet or Wi-Fi. This real time data can then be used by the controller (human) to move the robot around. In this proposed system, the robot is compact and self-contained with wireless transmission of data. This system will help to control/spy on the terrorist attack throughout the world by monitoring and control of robot via the internet through Raspberry Pi board. The monitoring and controlling of robotic movements are done through the wireless network by using a web-based application.

Key Words: Raspberry Pi, Raspbian OS, Python, Things Board, Gas sensor, PIR sensor, Metal detector, Temp & humidity sensor...

BLOCK DIAGRAM:

