

TITLE OF THE PROJECT : SPY BOT

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ABSTRACT :

Nowadays, the technological and digital world is developing very fast. Everything is getting smart, so we are talking about the technological world, the devices like home appliance and other things are getting controlled by mobile applications. Still in our research, we have used ESP32 module to create wireless controlled bot with camera-top on it to monitor everything in its surrounding. Our model has special legs, which can even walk on slippery surfaces and have more grip than wheels, which makes axial movement like spider. This report proposes a design and implementation of a remote controlled camera bot by wifi technology mobile devices. In this analysis work, radio code and hardware technologies area unit used like, the wireless module of ESP32 (for transmitter and receiver), associative L298N motor drive and 2 electrical DC motors are used to move the bot and a camera attached on the top of the bot to survey the activities.

RESULTS :

It tends to be constructed further to function as a HUMANOID. It can have numerous utilizations in handy fields from a young person's robots to robots working in enterprises. It is useful in wars as a piece of spying. The proposed robot can be additionally improved as far as choice taking capacities by utilizing fluctuated sorts of sensors and along these lines could be utilized in huge ventures of various applications.

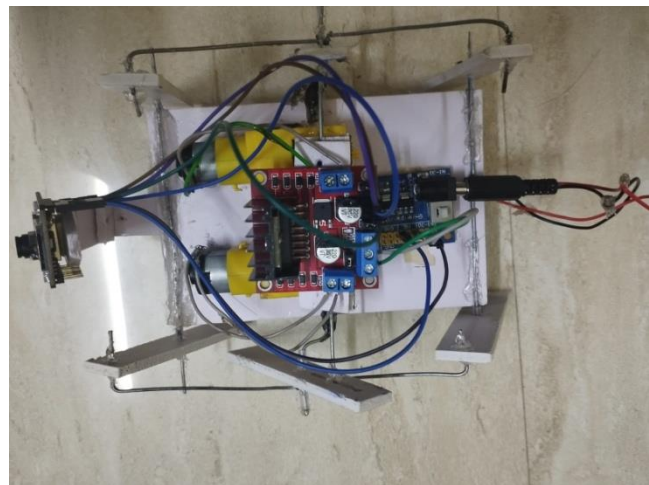
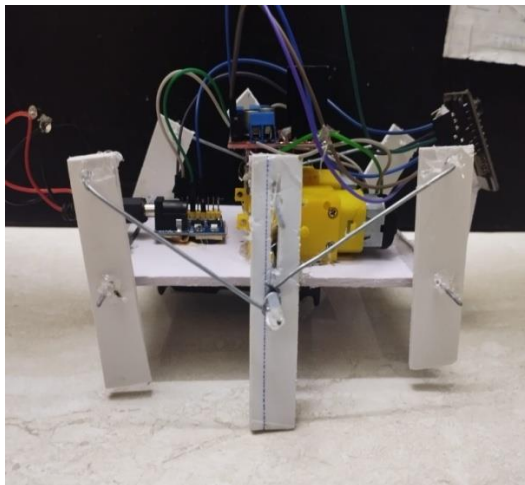
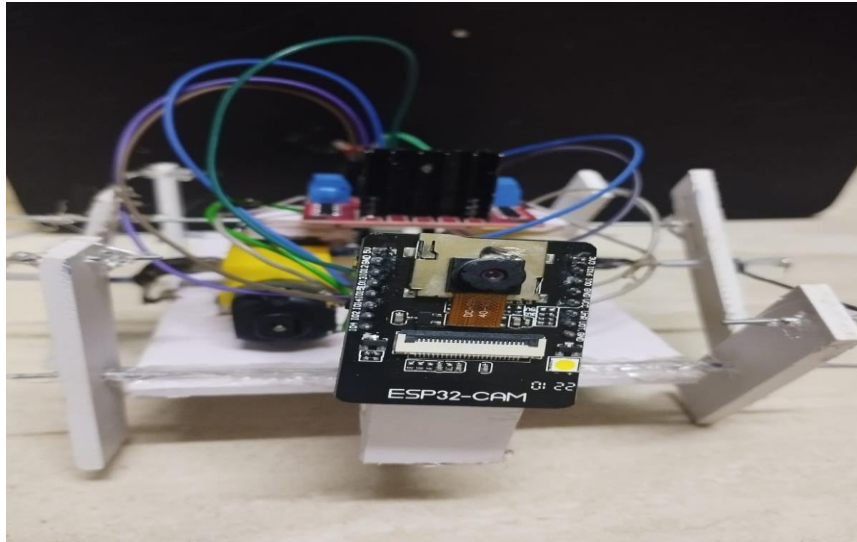
The future enhancement of remote control bot with the camera is the following :

- Remote control bot is used in bomb-squads to defuse or detonated explosives.**
- Used in movie making.**
- Used in the radiological survey.**

CONCLUSION :

In this research paper, we have a spy bot that is used for the different field for surveillance. The paper contains information about the overall applications of the device to monitor and secure places that are difficult to reach, for instance, I the case of an investigation by intelligent agencies. It aims to provide accuracy and constant monitoring of the vacancy from any threat or break-ins via an embedded system and camera that send information to the other end of the observer entity.

PHOTOS OF THE ROBOT :



VIDEO LINK :

https://drive.google.com/file/d/1FH8BwnUza_KaVGlysFc2pcMUubEdQbXh/view?usp=sharing