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WIFI CONTROLLED ROBOT



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WHAT IS IOT?

The Internet of Things refers to physical items that are equipped with sensors, computing power, software, and other technologies, and that communicate with other devices and systems over the Internet or other communication networks.

APPLICATIONS



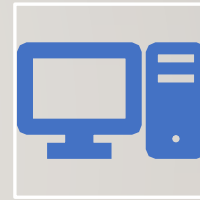
SMART HOMES



SELF-DRIVEN
CARS

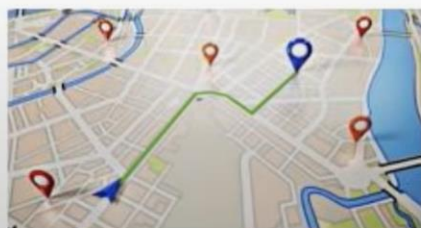


IoT RETAIL
SHOPS



INDURSTRIAL
INTERNET

Let us **look closely** at our **mobile phones**



GPS Tracking



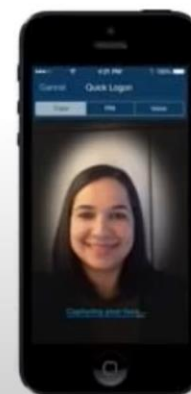
Mobile Gyroscope



Adaptive Brightness



Voice Detection



Face Detection

PROPOSAL: WIFI CONTROLLED ROBOT

A Wi-Fi equipped smart robot is a device that can be operated via a specially developed smartphone app. An Ethernet Shield is utilized to steer the robot down the intended path, which is made possible using a Raspberry Pi with an Ethernet Shield.

HARDWARE COMPONENTS

Raspberry Pi

A 12V Battery

DC Motors

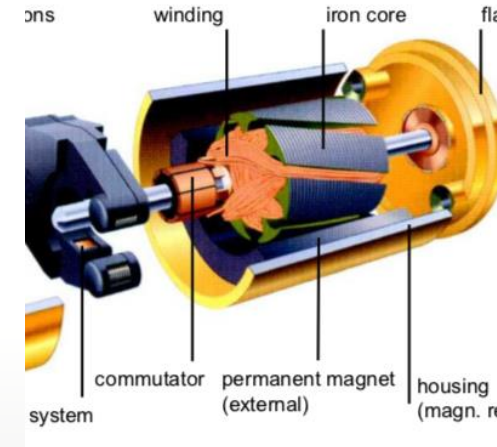
Chasis

L293D Motor Driver IC

An Android Phone with RootSaid – WiFi Command Center Installed

A Wi-Fi Network

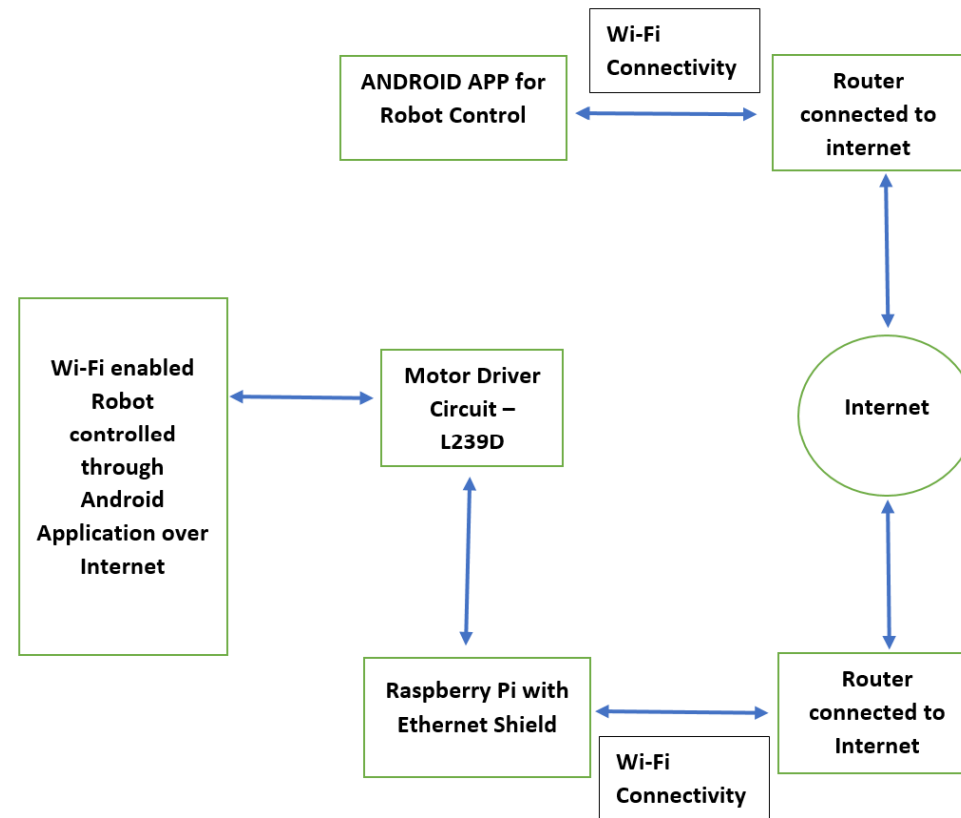
-
- RASPBERRY PIE
 - DC MOTORS
 - 12V BATTERY



-
- CHASIS
 - L293D MOTOR DRIVER DC

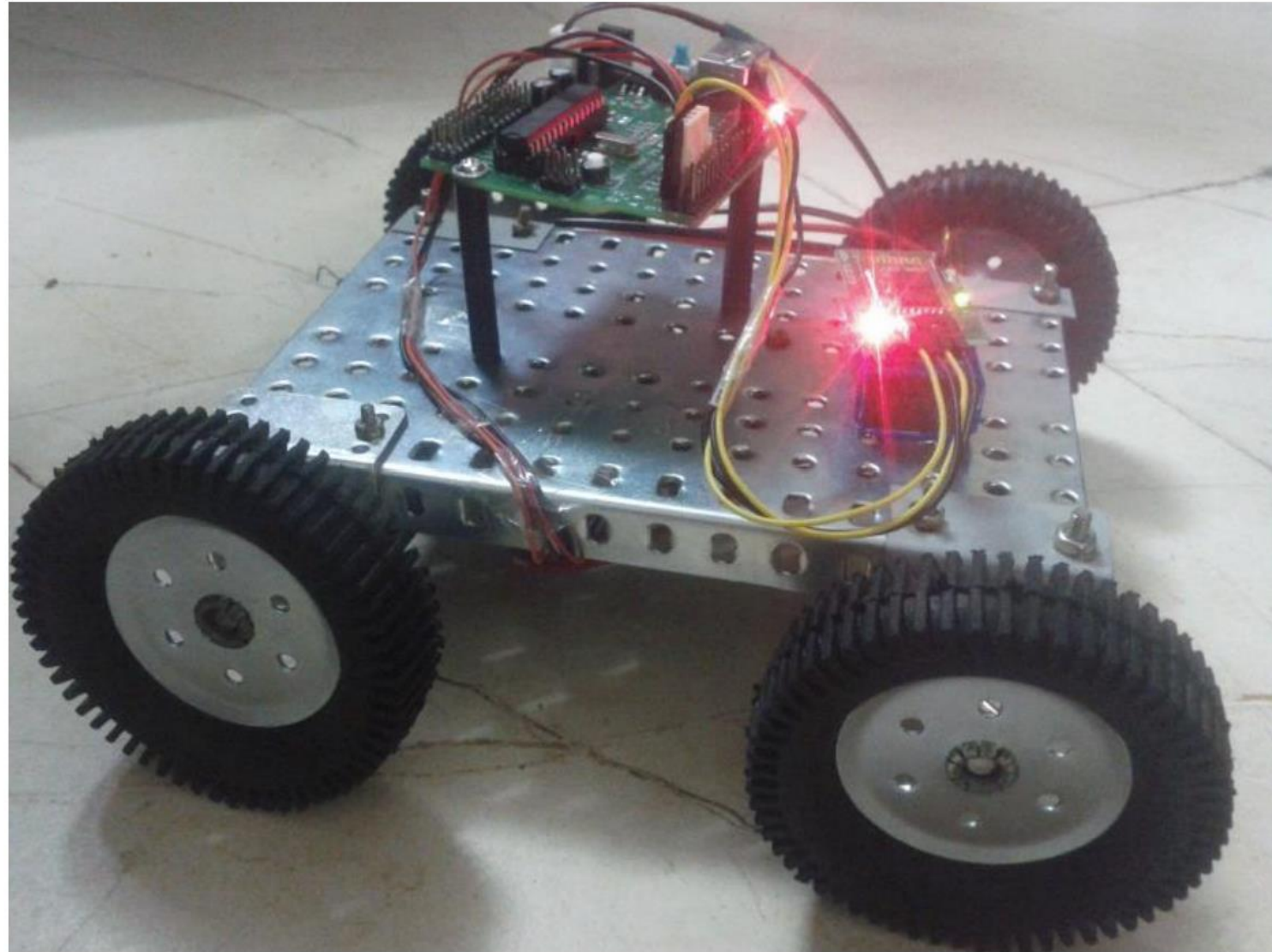


FUNCTIONAL BLOCK DIAGRAM OF WI-FI ROBOT



LITERATURE SURVEY

- https://www.researchgate.net/profile/Shashank-Moro/publication/259591380_WIFI_ENABLED_SMART_ROBOT/links/0deec52cd3169eed16000000/WIFI-ENABLED-SMART-ROBOT.pdf



THANK YOU FOR
LISTENING TO US!!!!