WIFI CONTROLLED ROBOT

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GOAL

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Our goal is to understand networking

During the project we learned what IOT can do. We are making use of micro processor and internet to make a bot which can be used for personal and other purposes.

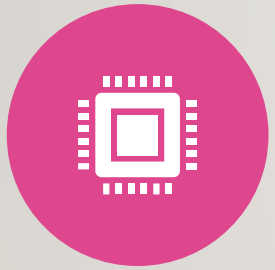
WHAT WE HAVE DONE TILL NOW?

- Build a chasis architecture.
- Raspberry Setup is done.
- We have started working over Python Script.
- We are trying to connect L298N Circuit, Motors, Raspberry Pi and Battery.
- We are making connections.
- Our main focus is to establish the connection between the output pin of Raspberry Pi to input pins of L298N Circuits.

WHAT IOT, AI & CLOUD COULD DO?

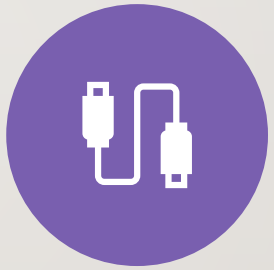
- We believe IOT and AI can make much powerful machines.
- We have seen that IOT plus AI and OpenCV python module can makes bot to learn from mistakes and drive automatically.
- For this idea it needs lot of work and time for to build better model which can automatically learns from mistakes.
- Using AWS this can be deployed and bot can run with the help of cloud and data can be stored for analysis.

BENEFITS WITH RASPBERRY PI



RASPBERRY PI IS A MICROPROCESSOR .

IT IS LIKE A MINI COMPUTER.



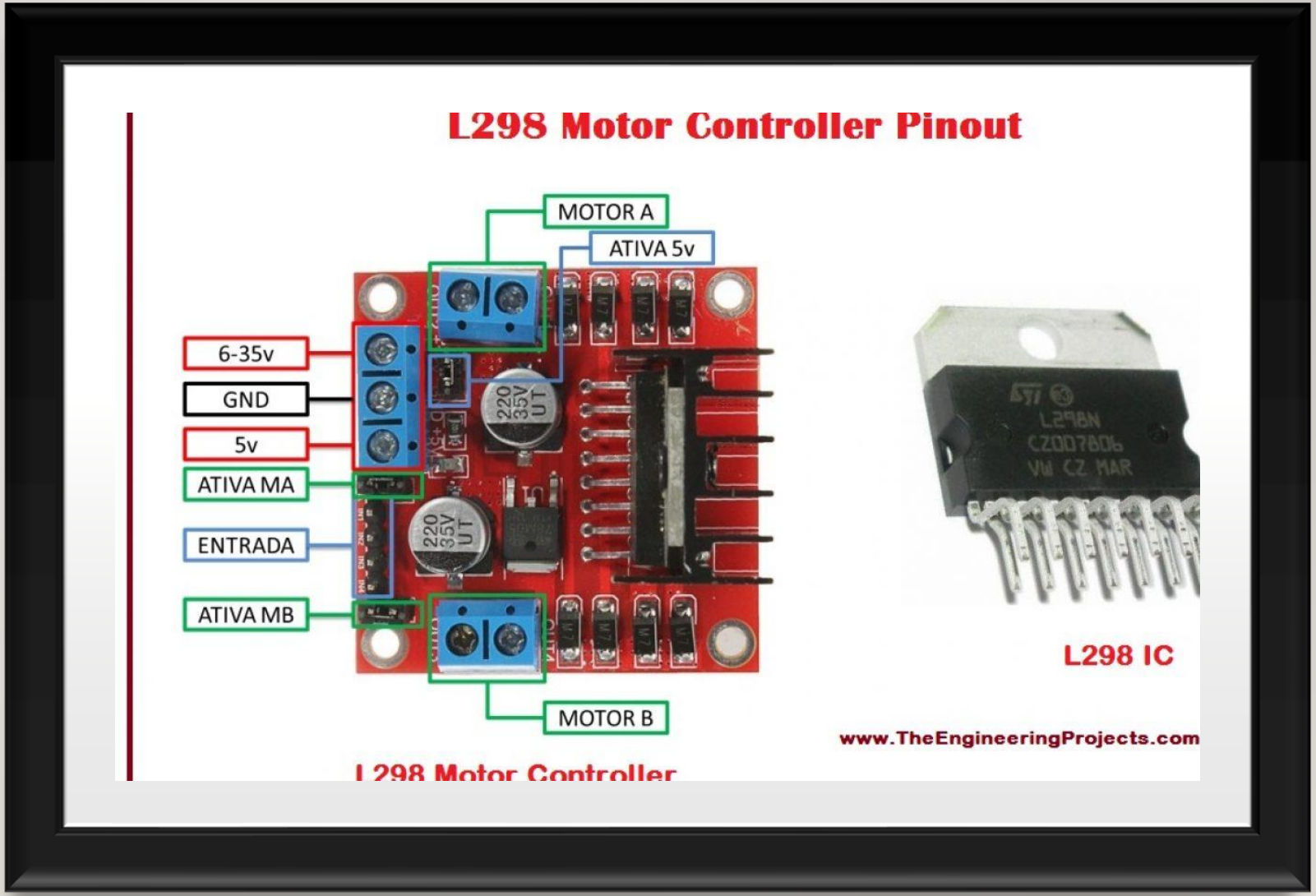
IT CONTAINS USB PORTS, WIFI MODULE, BLUETOOTH MODULE, CPU, HDMI PORTS AND DISPLAY CONNECTOR.

EVERYTHING MAKES POWERFUL THING TO USE AT THE END.

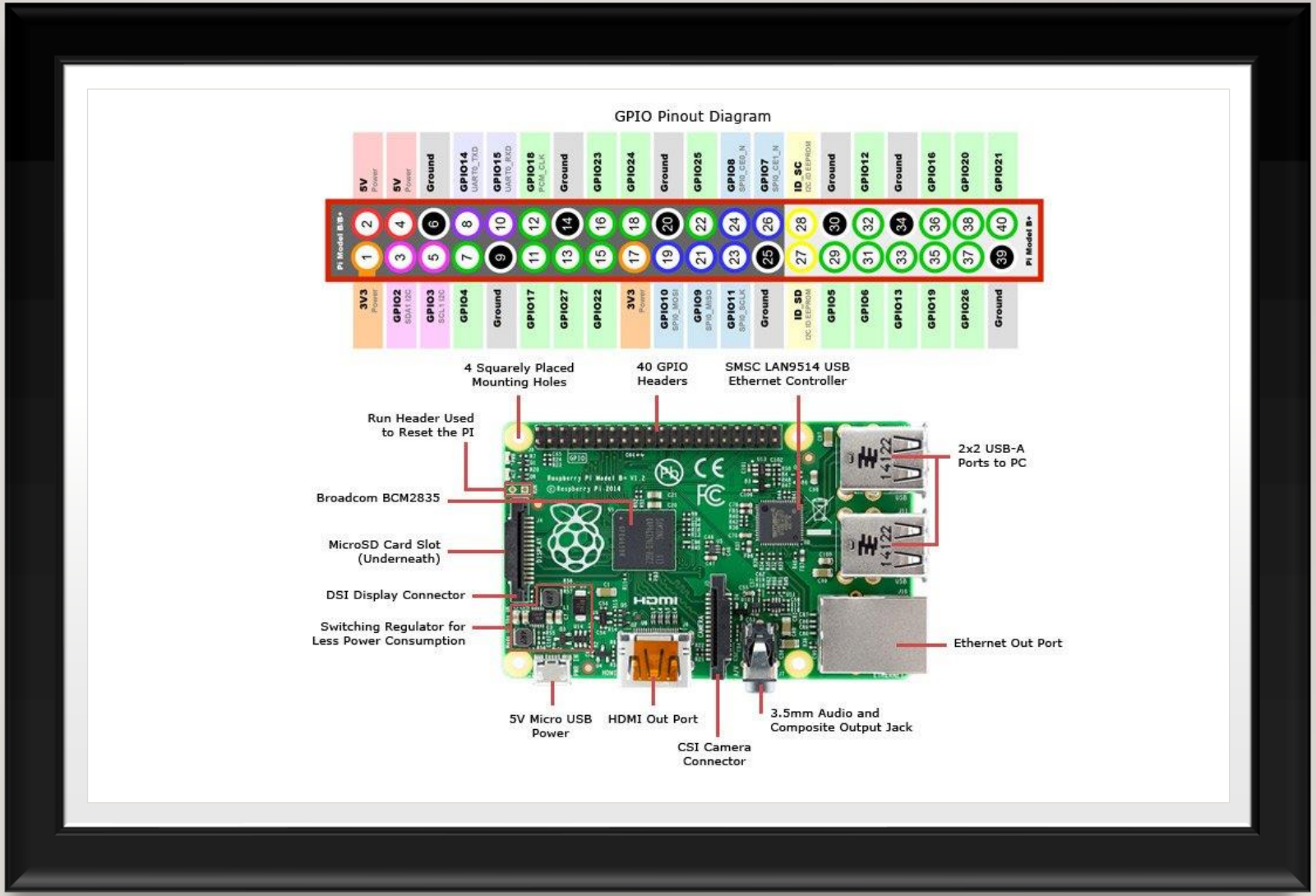
RASPBERRY PI USES:

- Benefits of raspberry had increased over the time with internet, cloud and Data science.
- For example google is trying to make smart glasses by 2025 which can be used as a computer. They are using IOT, cloud, AI and Augmented reality.
- Building these things makes huge change in technology and it uses.
- Raspberry is also used in making cars, laptops and many more.

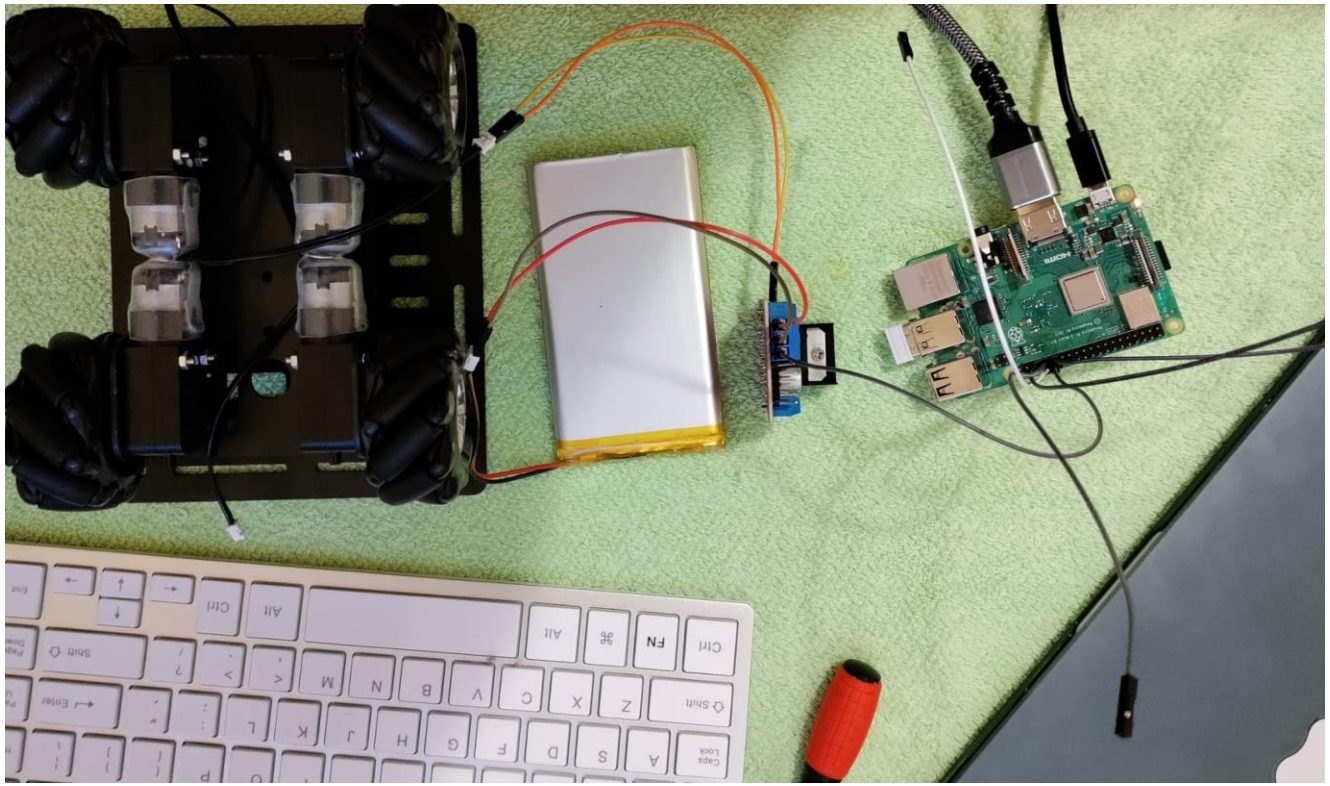
L298N MOTOR CIRCUIT



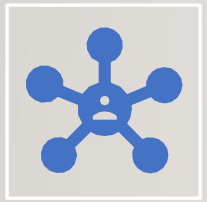
PIN CONFIGURATION



BOT



FUTURE PROGRESS



We need to work on setting connections and we need to make sure that its working properly.

Right now the problem we are facing is connecting the pi to L298N Motor driver circuit.

Finally we need to make sure that it works by using WIFI network.

We need another L298N Motor Driver Circuit to connect Back Wheels Motors.

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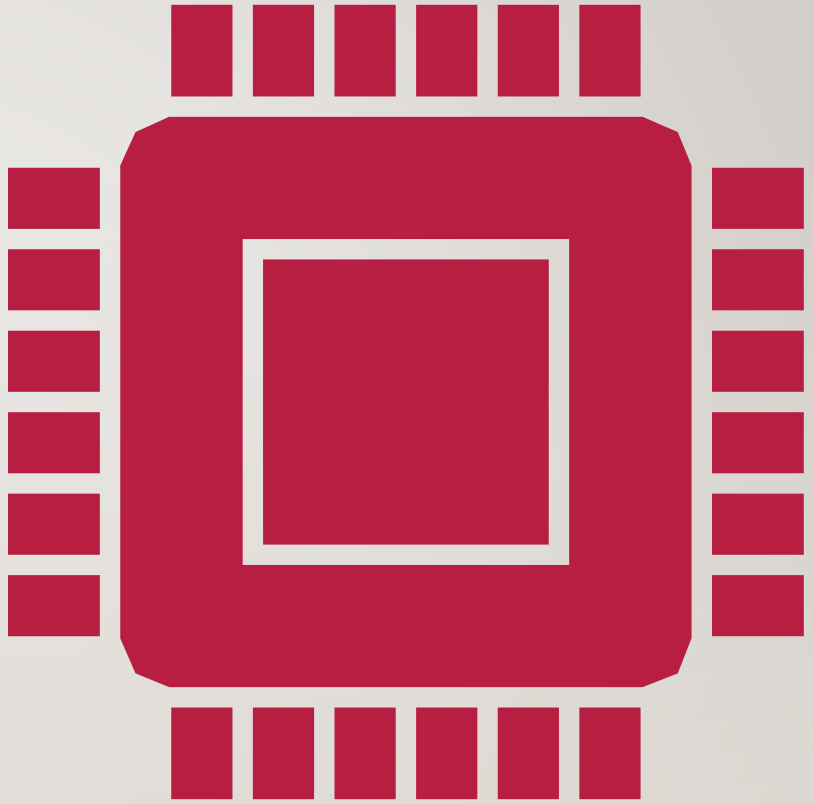
THANK YOU FOR YOUR PATIENCE TO LISTEN TO US…..!!!!!!