Remote Arduino car

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Components

1) **1 Arduino uno**
2) **DC Gear Motor x 4**
3) **IR Sensor x 2**
4) **L298 Motor Driver**
5) **HC-05 Bluetooth Module**
6) **IR Receiver Module**
7) **MP3 Player IR Remote**
8) **sg90 servo motor**
9) **Ultrasonic Sensor Holder**
10) **Ultrasonic Sensor hc-sr04**
11) **4Pcs Smart Robot Car Tires Wheels**
12) **On/Off Switch,18650 Battery Holder – 2 Cell**
13) **18650 Battery Cell 3.7V x 2**

Wiring, Circuit

IR Sensor: Right_ir = A0 / Lift_ir = A1

L298 Motor Driver: enA = 10 / in1 = 9 / in2 = 8 / in3 = 7 / in4 = 6 / enB = 5

HC-05 Bluetooth Module: Rx = 2 / TX = 3

IR Receiver Module: A5

sg90 servo motor: A4

Ultrasonic Sensor: echo = A2 / trigger = A3

18650 Battery Cell 3.7V x 2: VIN / GND

The beginning of Technology: - Since man began to discover electricity, then he began to make machines to help him in hard work, save time and money wasted, and protect people from the dangers of some work.

The Problem: - Therefore, work was done on this robot to discover passages, caves and archaeological places that are difficult for humans to discover or enter, whether due to the presence of dangers to it or the narrowness of those places.

The solve of the problem: - And that is through the robot designed to be able to control it remotely by more than one means, whether with a remote control or by phone, Bluetooth, or voice commands, and it can avoid obstacles and follow certain paths that are determined for it

Future Planning of the project: -

1) Temperature and humidity gauge to detect temperature
2) Installing a camera that can shoot in different ways, such as thermal imaging

To help Researchers to discover the environment more deeply and know the Objects found in tunnels and caves through the camera or the presence of living creatures.

CHANNEL

CH− | CH | CH+

PREV | NEXT | PLAY/PAUSE

VOL− | VOL+

− | + | EQ

0 | 100+ | 200+

1 | 2 | 3

4 | 5 | 6

7 | 8 | 9
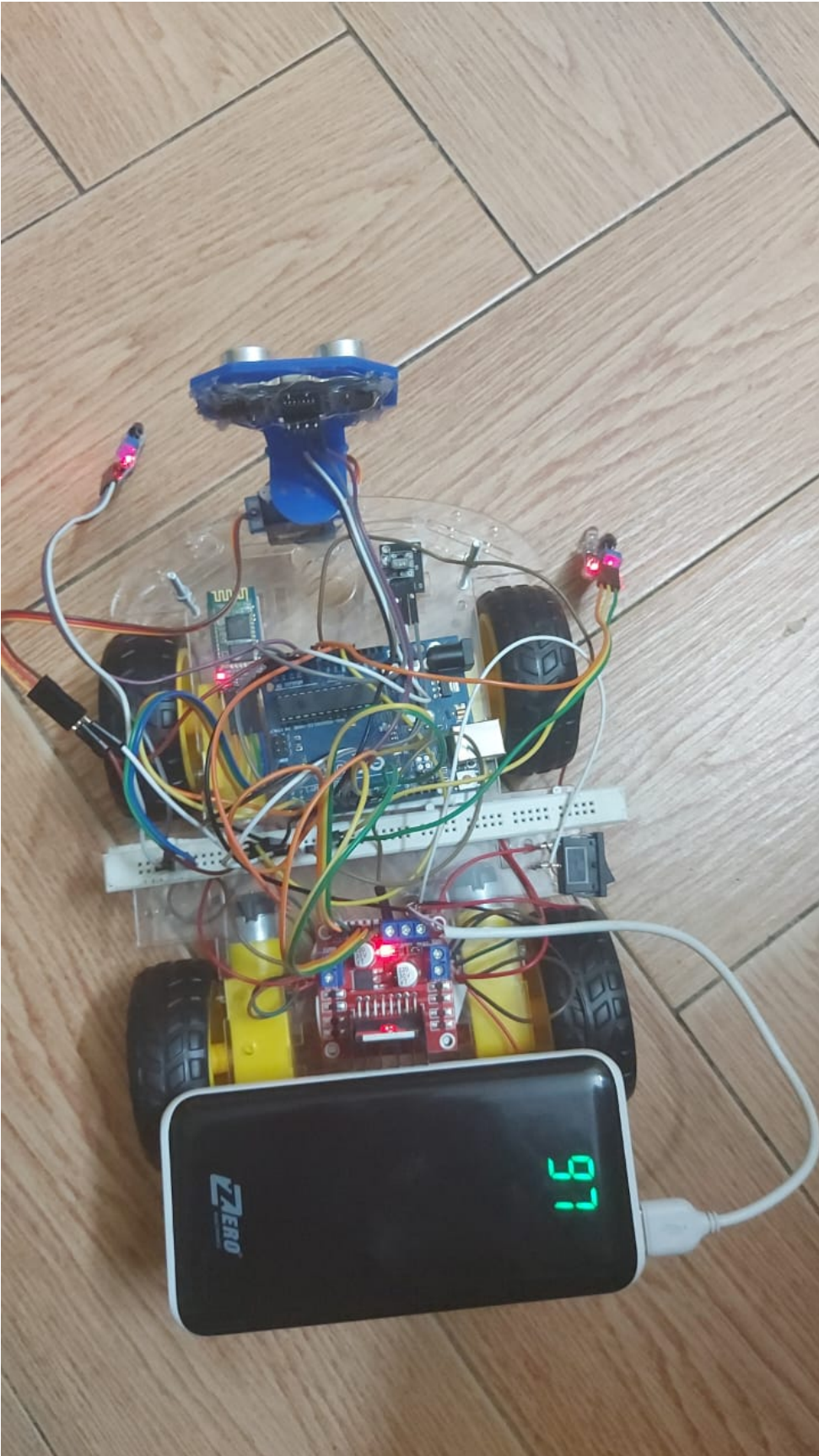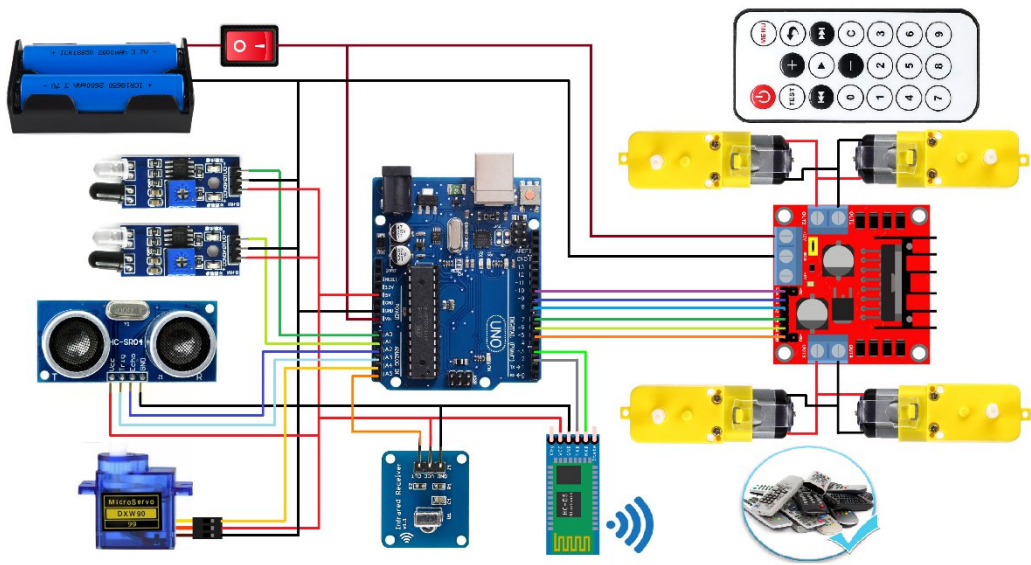
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