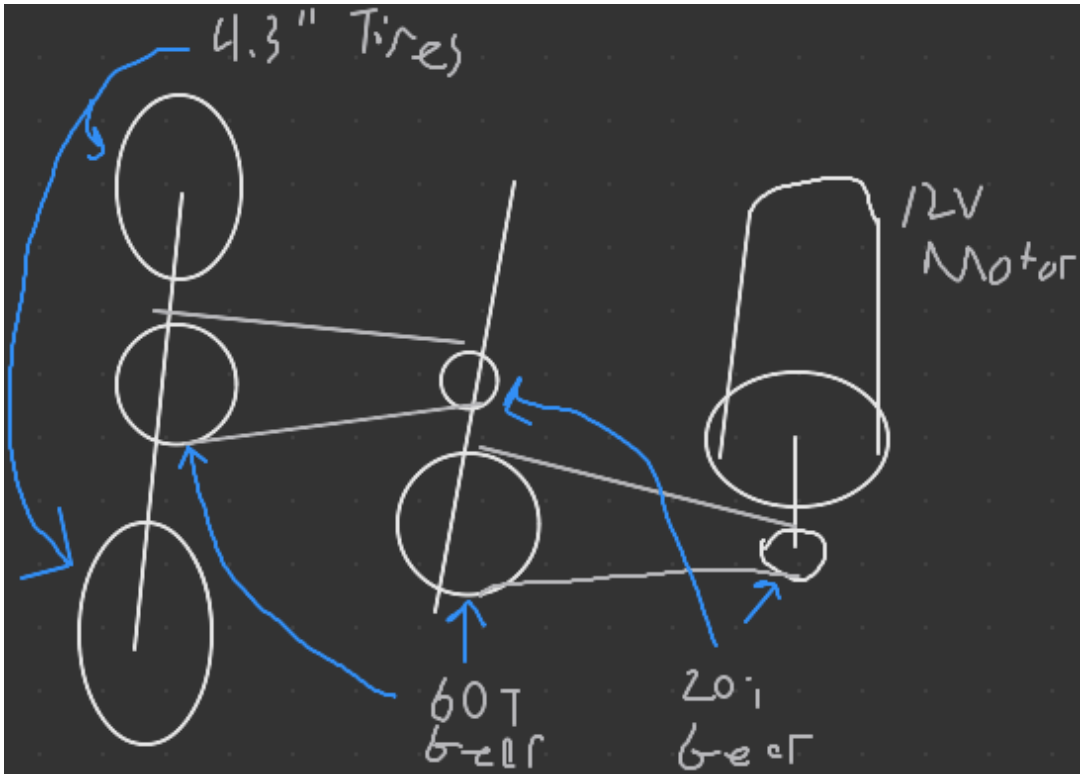
Robotics design/parts

Building an RC car that can be controlled using hand tracking.
Assembly:
Car base 12 inches by 10 inches using 1/2 or 1/4 inch plywood or a type of acrylic

Rear wheel Drive System:

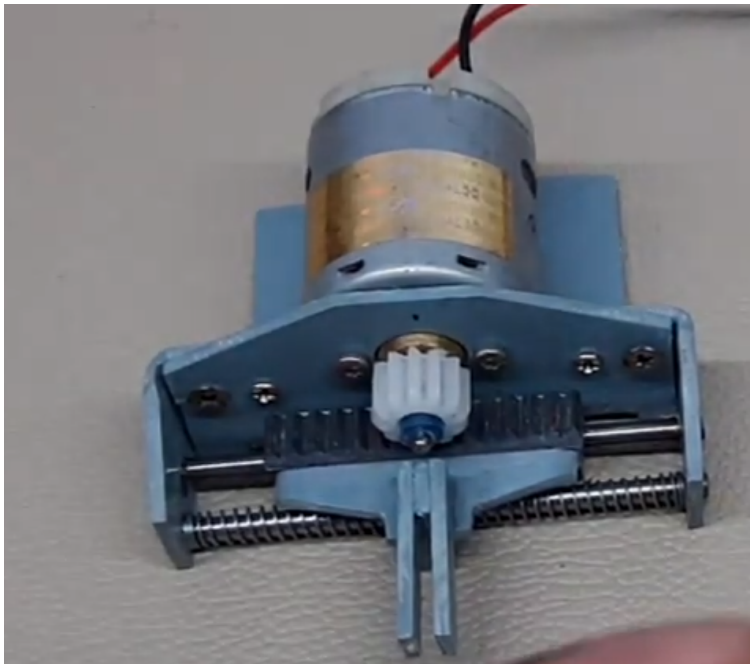
- Rubber wheels 4.33in diameter
- 2 tires connected with a 5mm aluminium axil
- Another 5mm axil that is connected to wheel axil by belt
  - Geared 60T to 20T
- Driving motor 10k rpms at 12v 100 watts connected by belt
  - Geared 60T to 20T



Front wheel steering:

- Rubber wheels 4.33in diameter
- Controlled by a servo - if powerful enough or dc motor with a pot

Design showed bellow



Motor controller:

7-70V at max 30 A - PWM control

Micro controller:

ESP 32

Battery:

12v and 5v out 10k mAh