This is a personal hobby project done by me to better understand how does microcontrollers and the sensor contain with them works. No official documentation is done for this project.

After finishing the project, there will be a video describing a few functionalities.

Component used in this project: -

1. Arduino mega.
2. Motor. (4x)
3. Motor shield.
4. GPS module. (Neo 6M)
5. Ultrasonic sensor.
6. Compass.
7. Battery.
8. Chassis.
9. Jumper wires.
10. Soldering iron.

**Current status:** Car is able to avoid any obstacle. It can receive GPS coordinates and calculate desired angle and distance to the desired location. It can also turn itself to a certain angle.

**Current issue**: Compass reading not stable.