Receiver Part:

In Receiver Part, The ESP8266 Microcontroller is defined as a webserver and as a wifi module. In webserver the commands which wants to execute in the car is programmed and it is called by the transmitter is “http://IP address/commands ” . The input commands are sent with the help of wifi which is defined in the Microcontroller. The commands are Forward, Backward, Right, Left, Halt . In Forward command all the motors start to spin in forward direction, In backward command all the motors start to spin in backward direction, In Right command the left motor start to spin in forward direction and the right motor start to spin in backward direction, In Left command the right motor start to spin in forward direction and left motor start to spin in backward direction, In Halt command all the motor stops spinning.

Transmitter Part:

In Transmitter Part, The ESP8266 Microcontroller is connected with MPU6050 Gyroscope. The Microcontroller in the transmitter part is connected to the wifi of the receiver part. The Gyroscope detects the direction that we turned and it gives the information to the Microcontroller. With the help of the information the Microcontroller sends the input command of the direction the car wants to move to the Webserver with the help of wifi. The commands which the Microcontroller sends for the direction forward is “http://ipaddress/forward” , For Backward direction “http://ipaddress/backward” , For Right direction “http://ipaddress/right” . For Left direction “http://ipaddress/left”. For Halt “http://ipaddress/halt”.