Methodology:

1. At first, we connect the transmitter and receiver components separately. In either case, caution should be taken so that no more than 3.3v passes through the Bluetooth module.
2. 4 dc motors are connected to the motor driver, for the car, and 10,11,12,13 pins of Arduino UNO are connected with the IN1, IN2, IN3, and IN4 pins of motor driver after testing the car’s wheel direction.
3. Then the Bluetooth module (slave) has to be connected. It’s RX,TX pin goes to digital pin 2,3.VCC to 3.3v and GND to GND of Arduino.
4. Then the battery’s connection is to be given accordingly.
5. While uploading the code to the receiver’s Arduino, the vcc of Bluetooth module should be kept open.
6. Then we build the transmitter, the Bluetooth module’s Rx , Tx pin goes to 2,3 of Arduino NANO, VCC to 3.3v and GND to GND of Arduino.
7. Then the mpu6050 is to be connected, SCL, SDA pin A5 and A4 respectively, VCC to 5v and GND to GND.
8. Now that the connection is all set up. We connect battery and switch.
9. We upload respective codes to the receiver and transmitter.
10. We turn on switch of both car and transmitter, and wait around 5 sec for the master and slave module to connect properly.
11. After the connection has been established the car can be moved according to our gesture oh hand that carries the transmitter.