

README

The code is written in **C++** in **Arduino IDE**. The board used here is **Arduino Mega 2560**

The code is divided into **5** files.

1. **Main_file** - this file has the `setup()` and `loop()` functions along with all the global variables and timer functions
2. **MPU6050** - this file has functions for signal processing filters and for obtaining data from MPU6050 sensor
3. **Encoder** - this file has functions related to the motor encoders
4. **PID** - this file has the PID functions
5. **Motor** - this file has functions which gives power to the motors