Hardware:

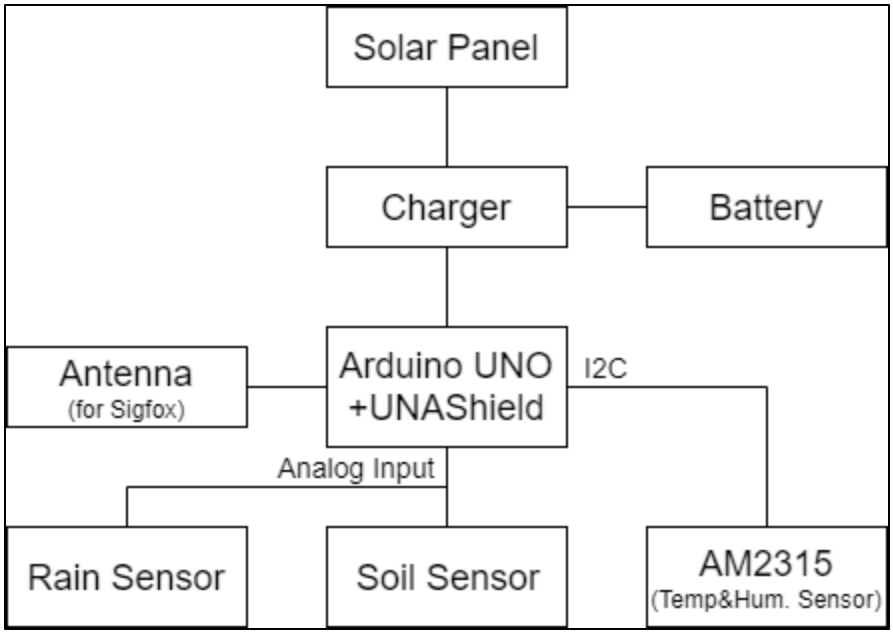

Figure 1: Basic Structure

- **Power Source**

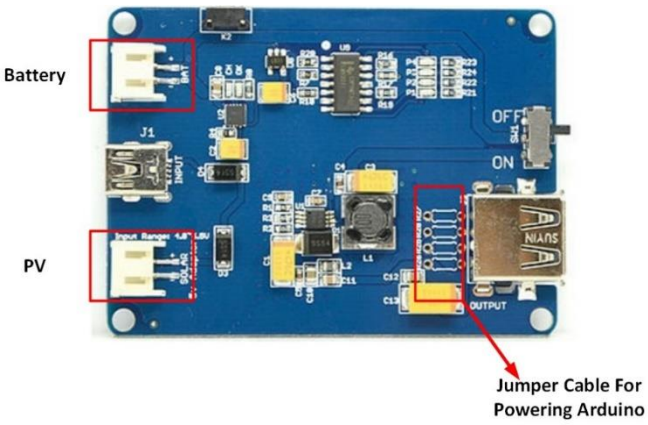

Figure 2: LiPo Rider Pro Charger

Figure 3: Connection

- **Arduino**

Figure 4: Arduino

- **Power and Sensor Connection**

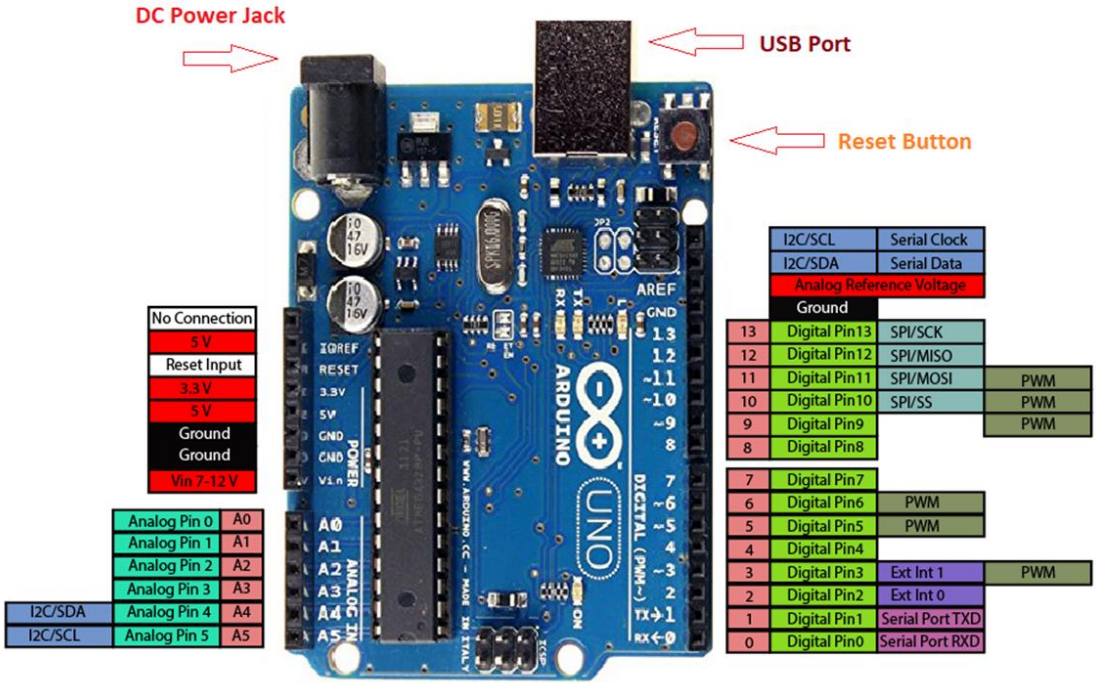

Figure 5: Pin of Arduino UNO

1. 5 V→(+) jumper cable to LiPo Rider Pro Charger Board
   power of AM2315
   power of Soil sensor
   power of Rain seneor
2. Gnd →(-) jumper cable to LiPo Rider Pro Charger Board
   power GND of AM2315
   power GND of Soil sensor
   power GND of Rain seneor
3. Pin (A4) I2C/SDA→SDA of AM2315
4. Pin (A5) I2C/SCL→SCL of AM2315
5. Pin (A1) → Signal of Soil sensor
6. Pin (A2) → Signal of Rain sensor

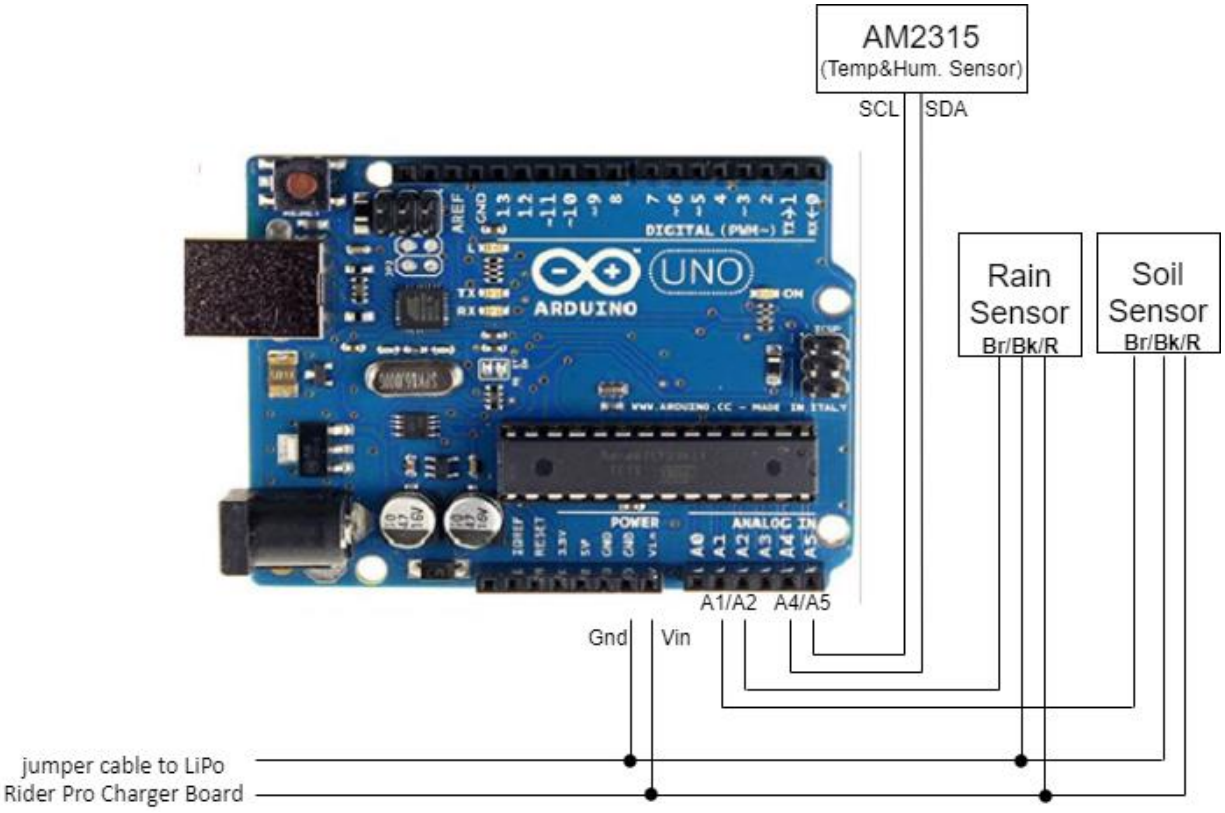

Figure 6: Wiring