

Load Cell

Objective:-To measure the weight of the object placed on the load cell. And send that weight to the Mobile app via ESP32 or ATtiny85, also mobile app can give command to the ESP32 which is redirected to arduino Board

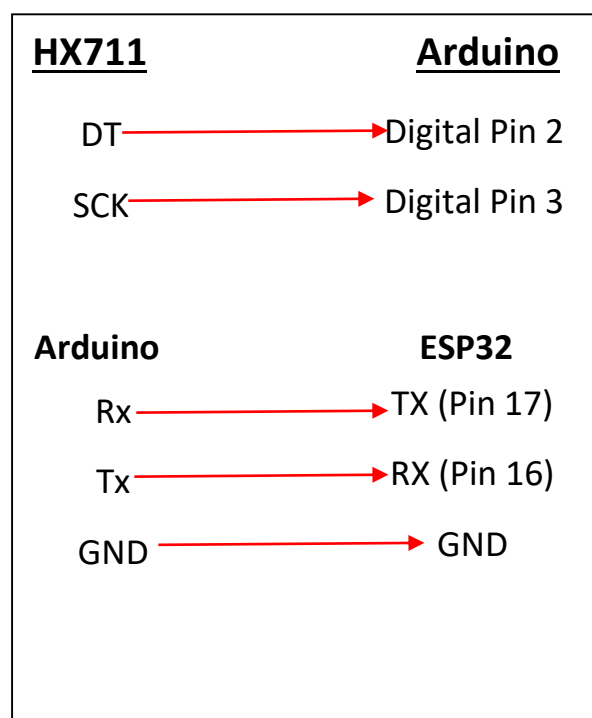
Functionality:

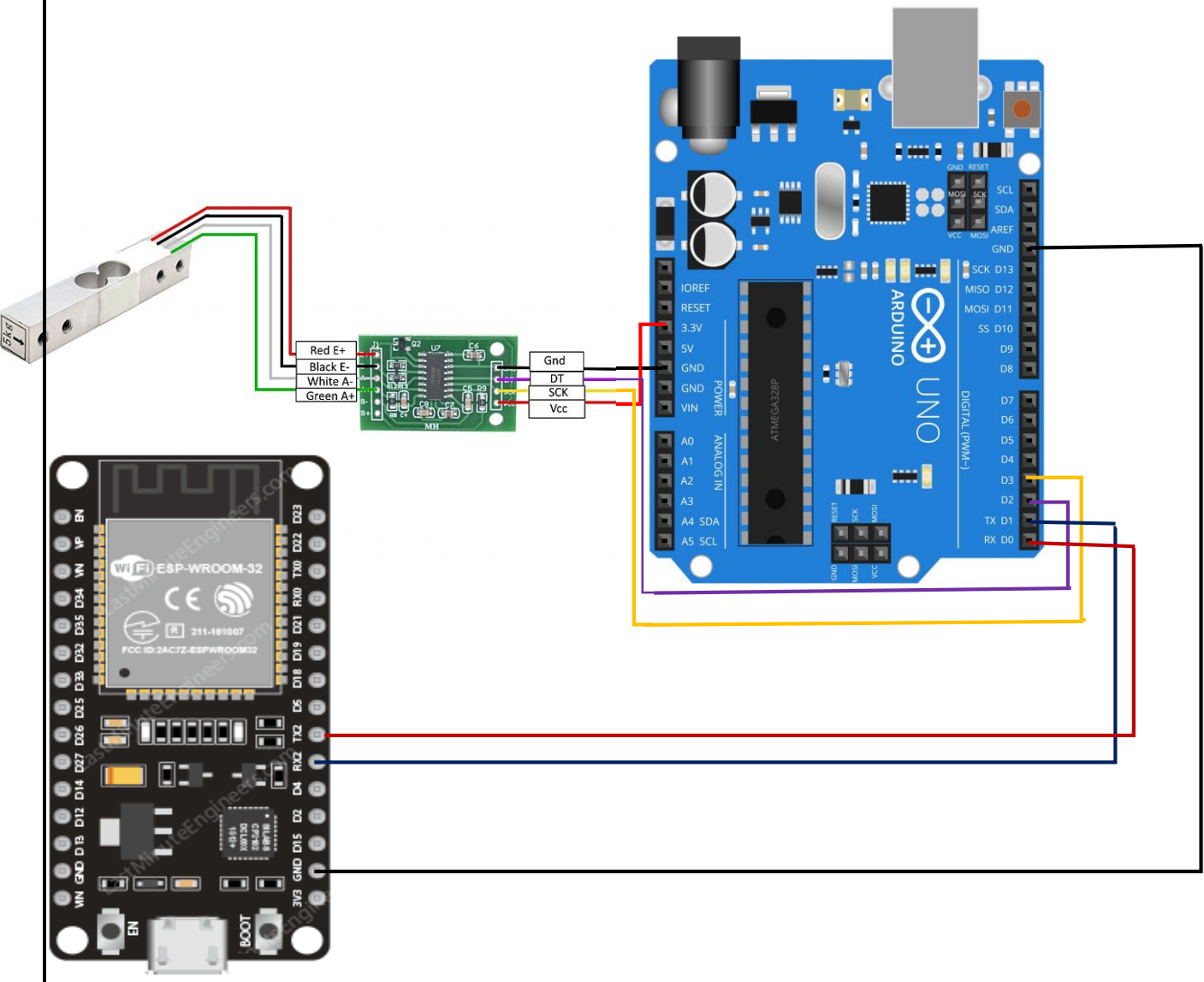
1. Measure weight.
2. Can calibrate any kind of load cell, in short code is compatible to any kind of load cell.
3. Unit conversion (gram to kg & Kg to gram).
4. Tareing feature

Working:

1. Arduino board reads the weight from load cell which is also interfaced with HX711 module.
2. The weight which is read by arduino will be sent to ESP32 board which will further read by any mobile app.
3. Esp32 will give command to arduino for specific action like (unit conversion, Tareing, calibration)
4. Esp32 will be controlled by mobile app.

Circuit diagram:





Flow chart

