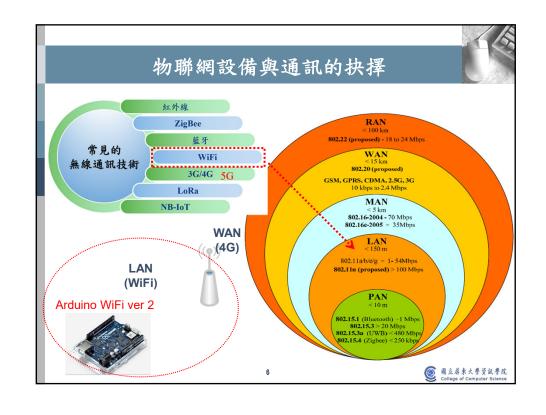


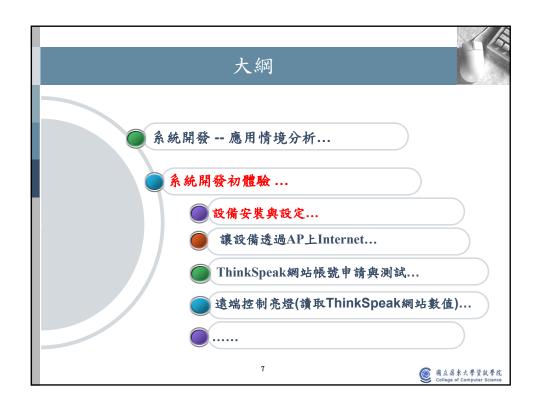


- ❖ 設備A 負責遠端感測數值(以可變電阻測試) 設備B 負責現場LED燈的控制
- 1.設備A與B都嘗試連線至AP
- 2.設備A連線後負責讀取可變電阻數值, 並以範圍上傳0~4數值至Thingspeak網站 (0代表熄滅所有燈,1(2,3,4)代表打開的LEDs數量)
- 3.設備B連線後隨時負責讀取Thingspeak欄位最新數值, 並依據數值點亮或關閉LEDs燈。
- 4. 遠端測試 當然!設備A跟設備B需要各寫一支控制程式

5





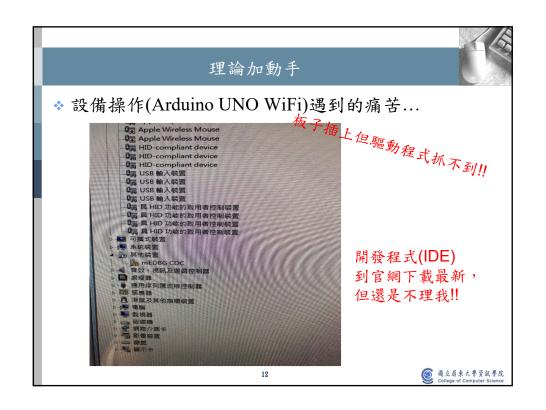


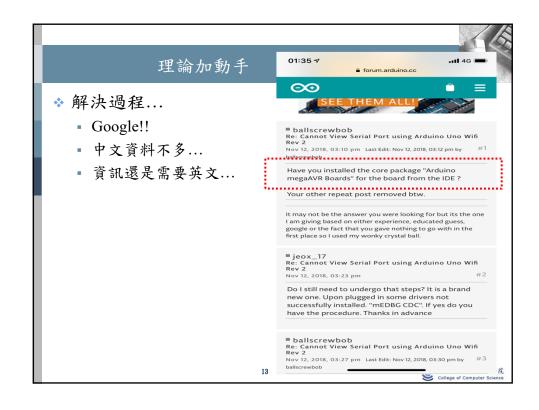










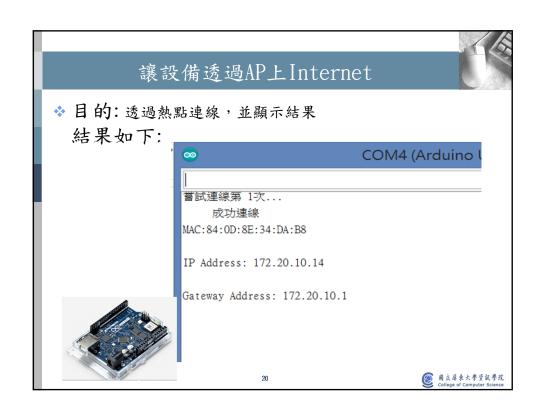


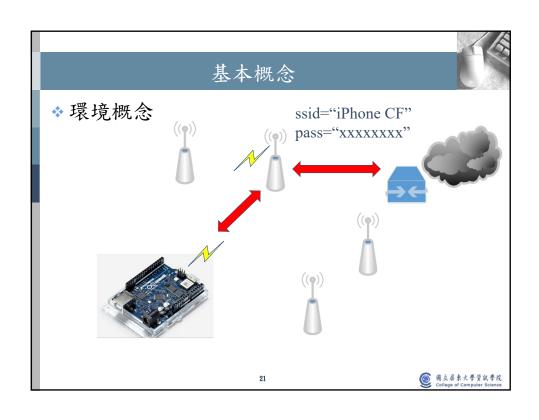






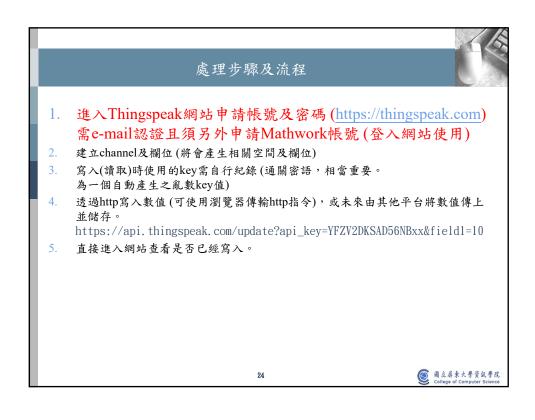


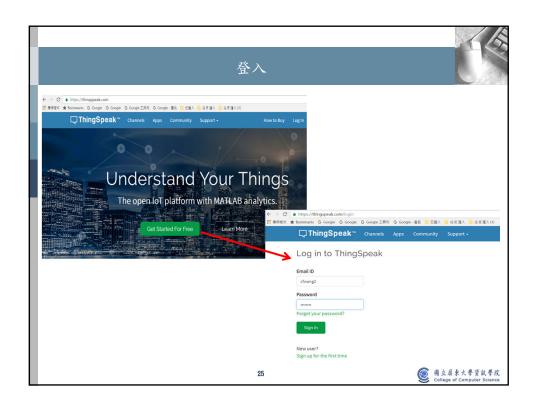


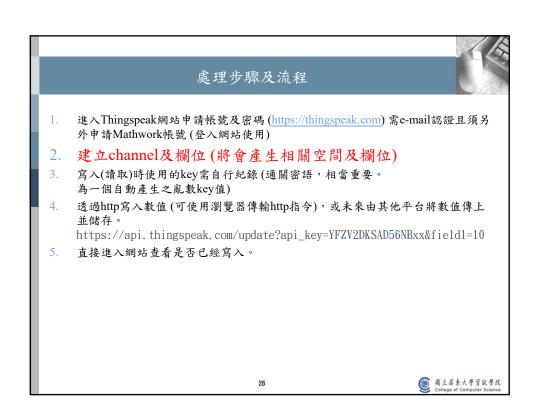


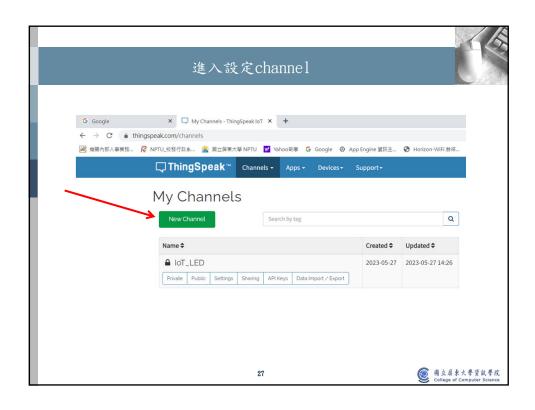


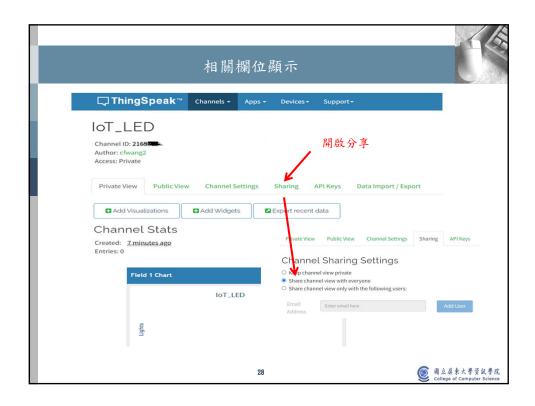


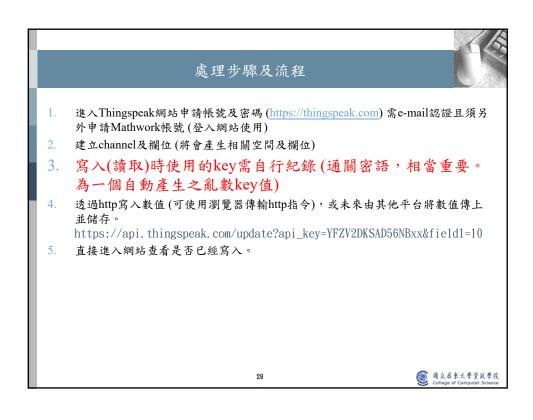




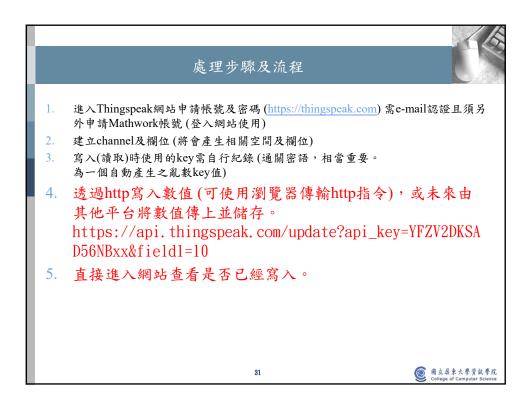












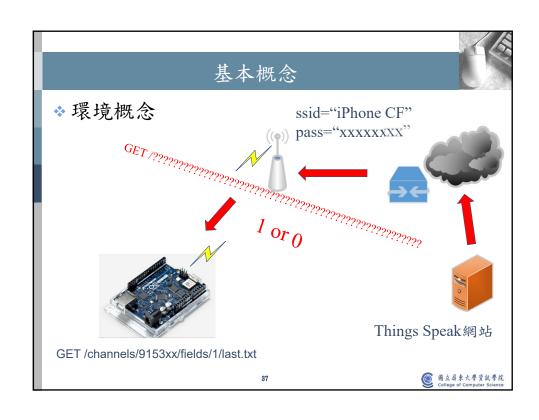














```
基本概念 (cont.)

* 初始程式(其他副程式)

void print_MAC(){

// WiFi.macAddress(mac);
Serial.print("MAC:");
for (i=5;i>=1;i--){
    if (mac[i]<16) Serial.print("0");
    Serial.print(mac[i],HEX);
    Serial.print(":");
    }
    Serial.println(mac[0],HEX);
}
```



```
基本概念 (cont.)
❖初始程式(setup() 2/3)
                                    if (status==WL_CONNECTED){
                                       WiFi.macAddress(mac);
                                       print_MAC();
                                       Serial.println("");
   相關資訊列印!!
                                       IPAddress ip=WiFi.localIP();
                                       Serial.print("IP Address: ");
                                       Serial.println(ip);
                                       Serial.println("");
                                       IPAddress gateway=WiFi.gatewayIP();
                                       Serial.print("Gateway Address: ");
                                       Serial.println(gateway);
                                       Serial.println("");
                                     41
                                                                  ■ 國立屏東大學資訊學院
College of Computer Science
```





