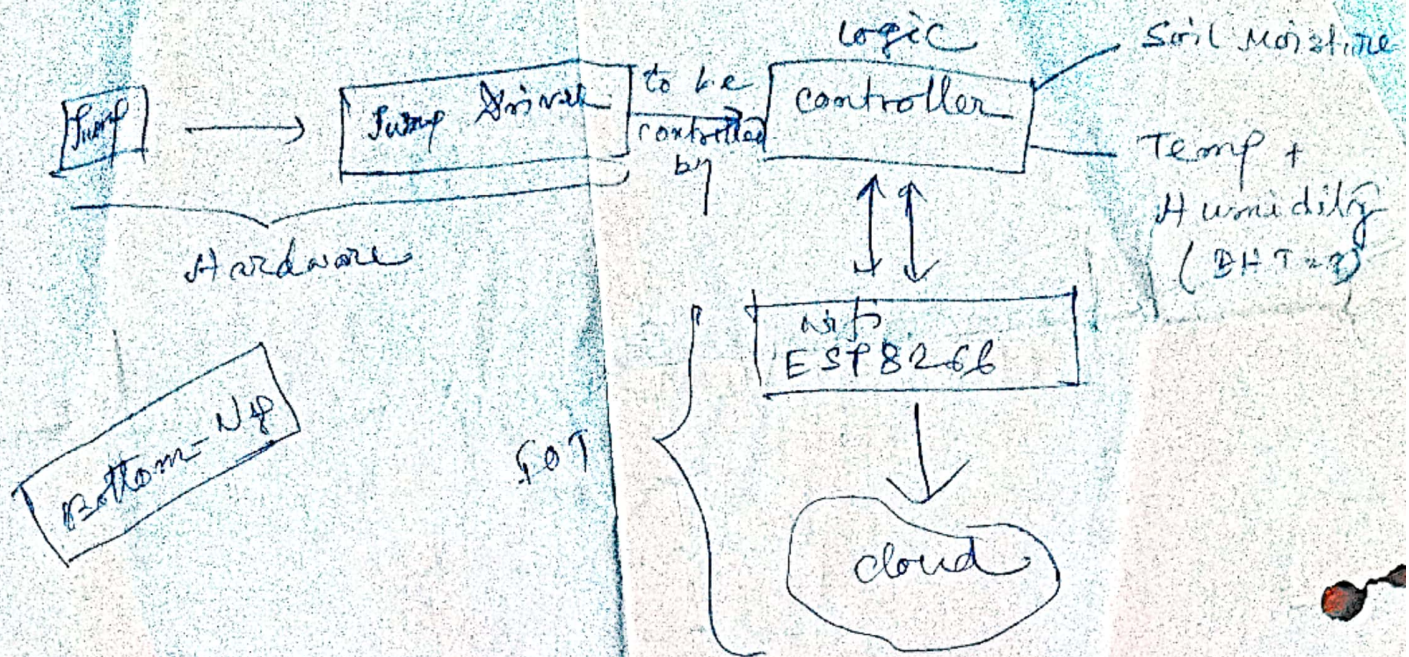


IoT based Smart Agriculture



Sensors

Soil Moisture

LCD

ESP 8266

DHT22 (Soil Moisture + Temp + Humidity)

Steps

- ① Connect All sensors
- ② Temp + Humidity measured through LCD
- ③ for water level & soil moisture level
 3.a. if sensor threshold crosses → motor ON
 3.b. < Threshold → motor OFF
 ↓
 microcontroller (Arduino/R.P)
- ④ D1 + ESP8266 (wifi)
- ⑤ Outcomes through LCD
 (for observations, we used ThingSpeak)

Applicable through smart agriculture,
 IoT-based smart agriculture
 IoT-enabled Precision Agriculture, livestock track