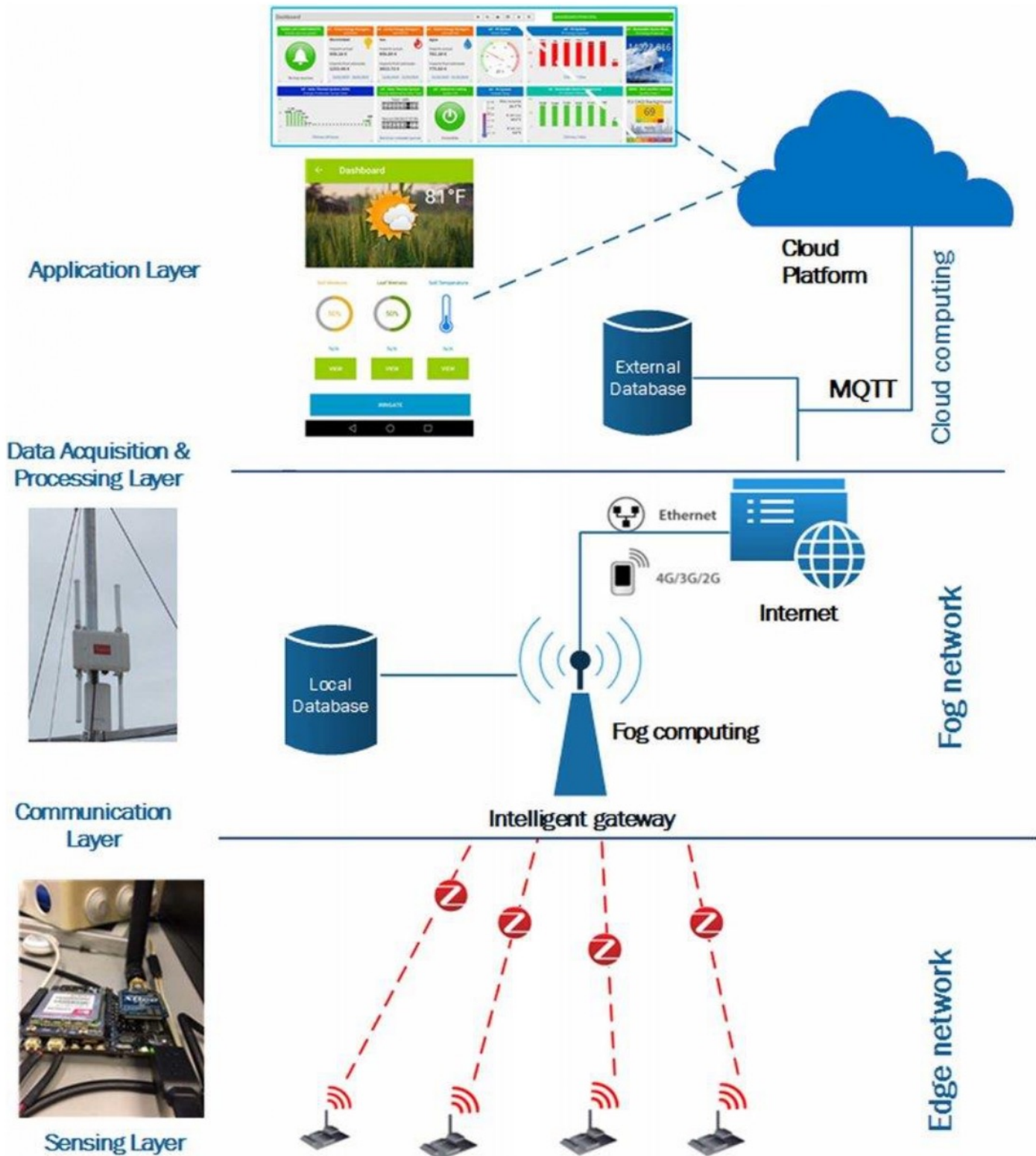
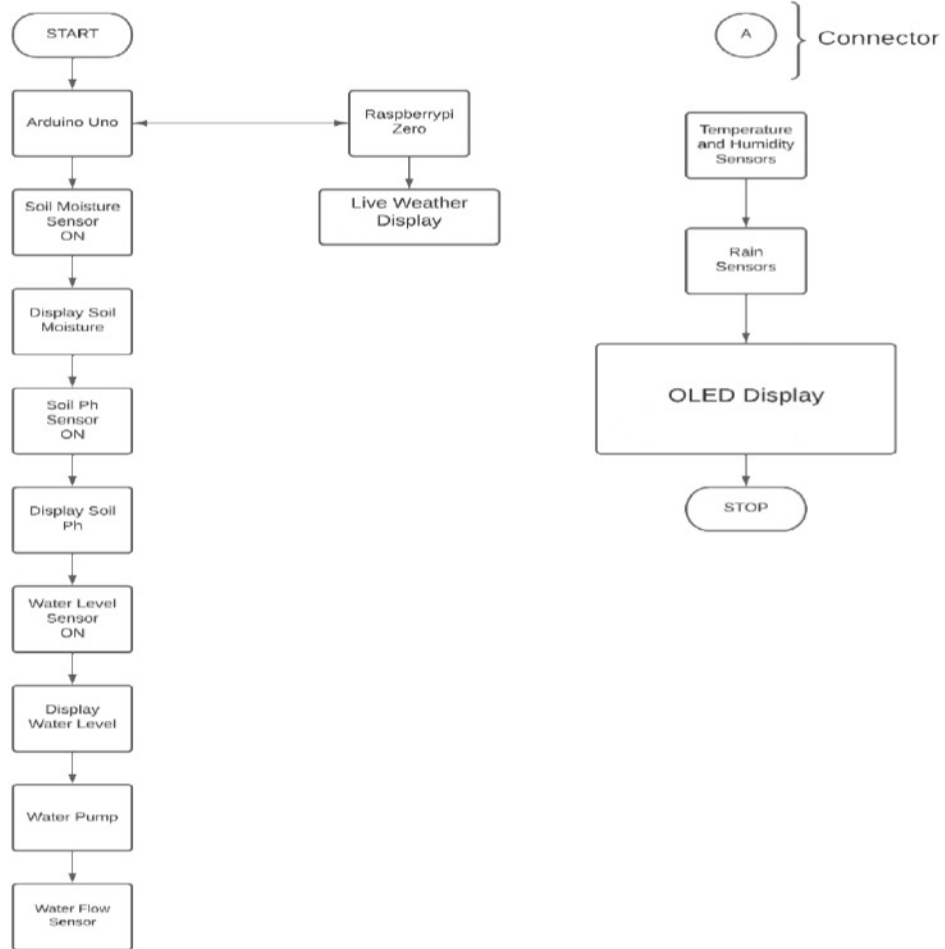


# LIST OF FIGURES



### 3.2 Flow Chart/Algorithm

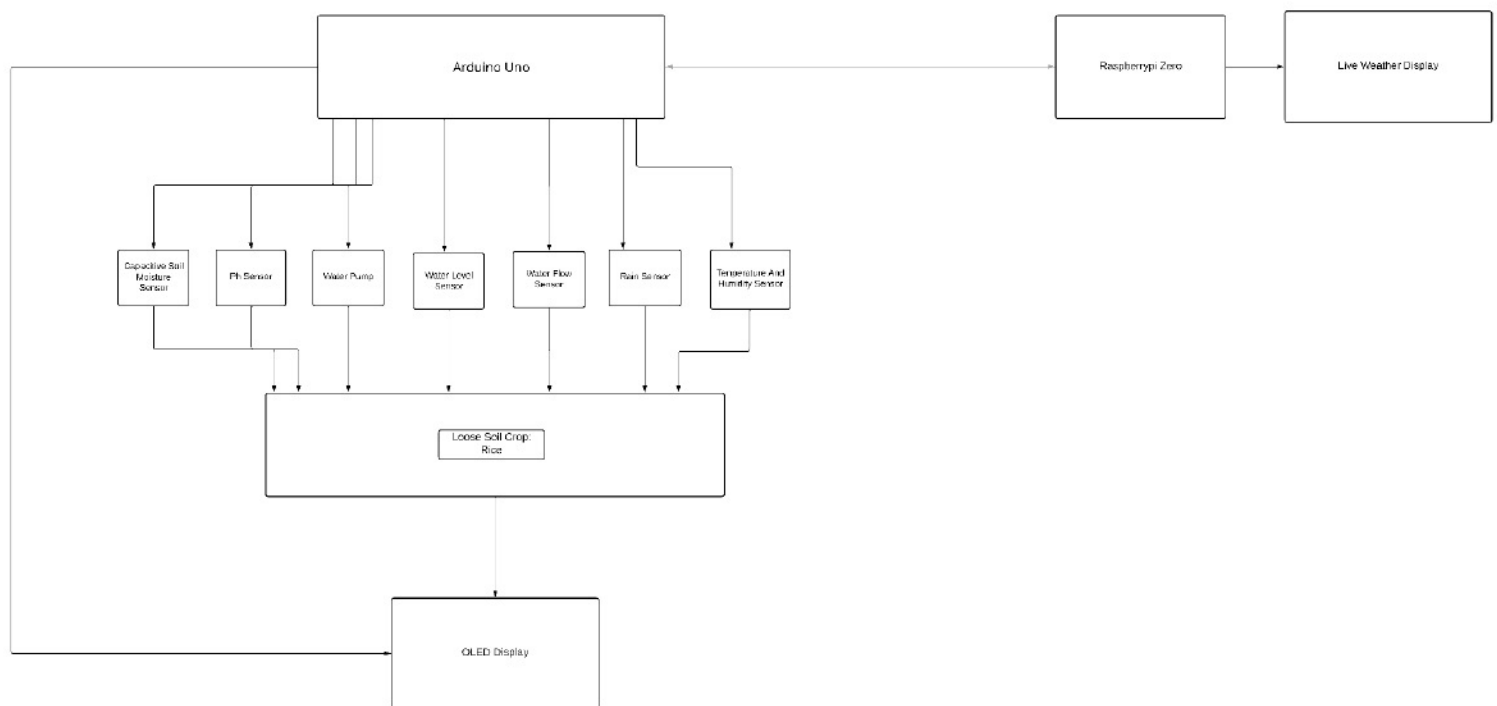


The image shows a screenshot of an IDE window titled "E31-capacitive-soil-moist-sensor-part-2". The code in the editor is as follows:

```
1  //  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  */  
16  
17  const int dry = 584; //  
18  const int wet = 240; //  
19  
20  void setup()  
21  {  
22    Serial.begin(9600);  
23  }  
24  
25  void loop()
```

Overlaid on the code is a serial monitor window titled "/dev/cu.usbserial-14220". The window displays a list of values, all of which are "240". The serial monitor has a "Send" button at the top right and a status bar at the bottom with the following options: "Autoscroll" (checked), "Show timestamp" (unchecked), "Newline" (dropdown), "9600 baud" (dropdown), and "Clear output" (button).

### 3.1 Block Diagram



DHT11\_with\_Arduino | Arduino 1.8.5

File Edit Sketch Tools Help

DHT11\_with\_Arduino

```
1 #include <SimpleDHT.h>
2
3 // for DHT11,
4 //   VCC: 5V or 3V
5 //   GND: GND
6 //   DATA: 2
7
8 int pinDHT11 = 2;
9 SimpleDHT11 dht11;
10
11 void setup() {
12   // start working...
13   Serial.println("Temp-");
14   Serial.begin(9600);
15 }
16
17 void loop() {
18
19   // read without samp
20   byte temperature = 0;
21   byte humidity = 0;
```

COM16 (Arduino/Genuino Uno)

27 \*C, 38 H  
27 \*C, 38 H  
27 \*C, 38 H  
27 \*C, 38 H

☒ Autoscroll   Newline   9600 baud   Clear output

Done uploading

Sketch uses 4190 bytes (12%) of program storage space. Maximum is 32256 bytes.  
Global variables use 268 bytes (13%) of dynamic memory, leaving 1780 bytes for local variable