

Project Design Phase-4

Date	26 October 2023
Team ID	455
Project Name	4123-Environmental Monitoring
Team Name	Proj_227236_Team_2
Team Members	5

Adding New Data To The Existing Dataset

Reference: <https://wokwi.com/projects/378896377391542273>

Python Code:

```
print("Environmental Monitoring")
```

```
#import BlynkLib
```

```
from machine import
```

```
Pin from time import
```

```
sleep import dht
```

```
import time
```

```
sensor = dht.DHT22(Pin(14))
```

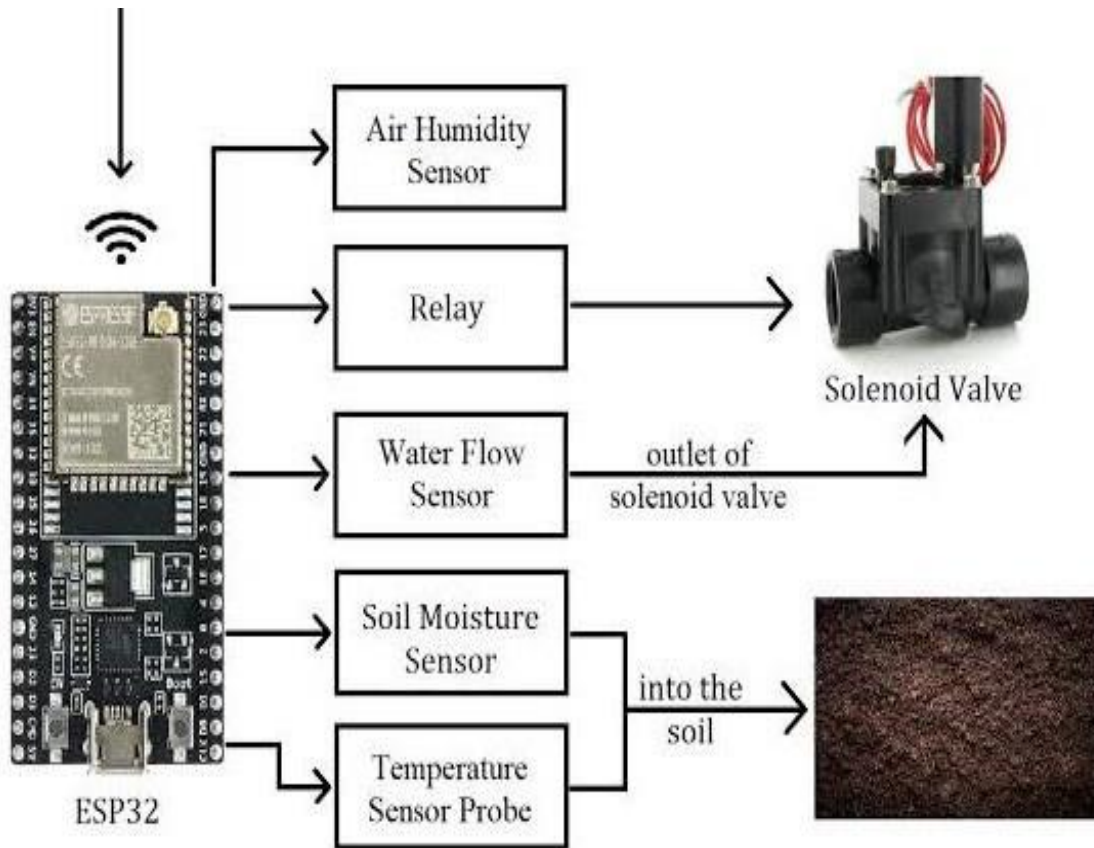
```
#sensor = dht.DHT11(Pin(14))
```

```
while True:
```

```
    sensor.measure()
```

```
temp = sensor.temperature()
hum = sensor.humidity()
#temp_f = temp * (9/5) + 32.0
print('Temperature: %3.1f C' %temp)
#print('Temperature: %3.1f F' %temp_f)
print('Humidity: %3.1f %%' %hum)
time.sleep(1)
```

BLOCK DIAGRAM:



Output:

connecting to network...

network config: ('10.10.0.2', '255.255.0.0', '10.0.0.1', '10.0.0.1')

Temperature: 24.0 C

Humidity: 40.0 %