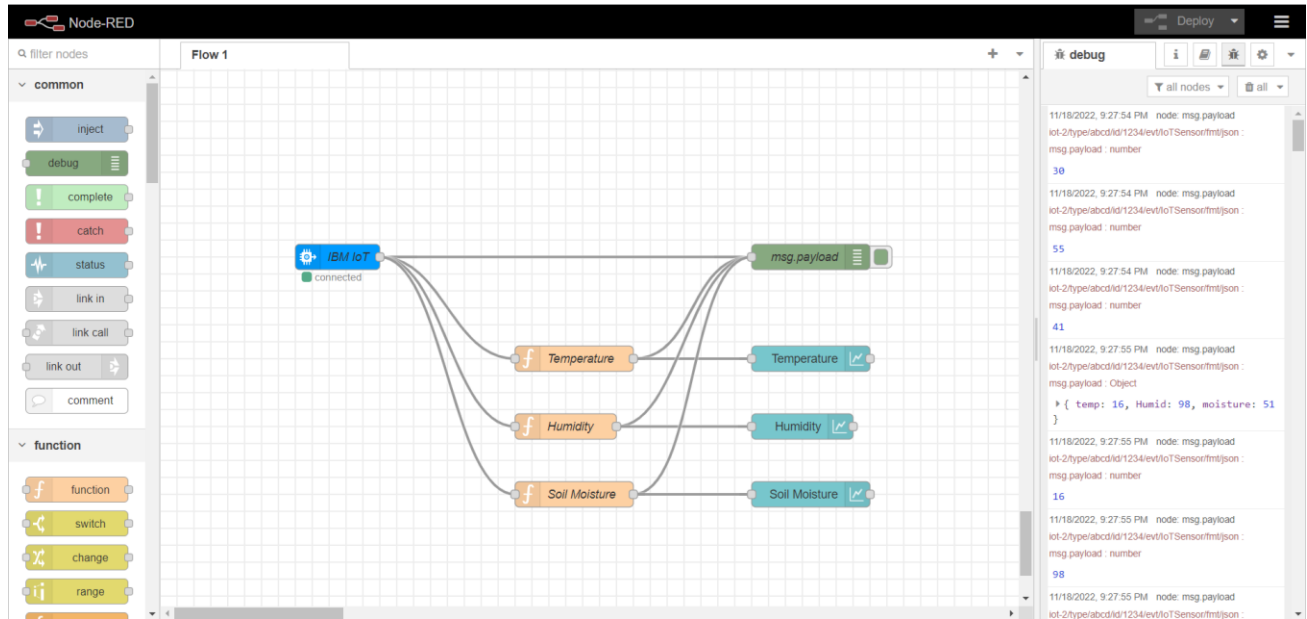


Develop a Web Application Using Node-Red Service

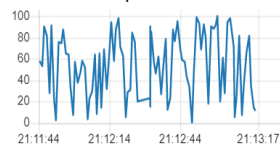
Node-Red Flow diagram:



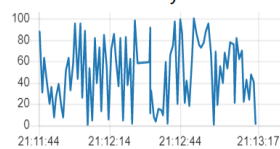
Smart crop Protection

MOTOR OFF

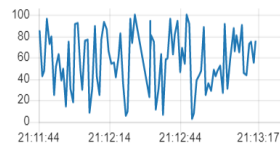
Temperature



Humidity



Soil Moisture



Python Output:

```
*Python 3.7.0 Shell*
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\sobi\OneDrive\Documents\ibmiot.py =====
2022-11-18 21:19:17,640    ibmiotf.device.Client    INFO    Connected successfully: d:bx1po5:abcd:1234
Published Temperature = 41 C Humidity = 88 % moisture = 58 % to IBM Watson
Published Temperature = 10 C Humidity = 71 % moisture = 27 % to IBM Watson
Published Temperature = 33 C Humidity = 3 % moisture = 37 % to IBM Watson
Published Temperature = 25 C Humidity = 91 % moisture = 92 % to IBM Watson
Published Temperature = 68 C Humidity = 72 % moisture = 20 % to IBM Watson
Published Temperature = 31 C Humidity = 14 % moisture = 73 % to IBM Watson
Published Temperature = 79 C Humidity = 86 % moisture = 80 % to IBM Watson
Published Temperature = 45 C Humidity = 37 % moisture = 26 % to IBM Watson
Published Temperature = 66 C Humidity = 49 % moisture = 17 % to IBM Watson
Published Temperature = 30 C Humidity = 98 % moisture = 28 % to IBM Watson
Published Temperature = 43 C Humidity = 6 % moisture = 13 % to IBM Watson
Published Temperature = 78 C Humidity = 25 % moisture = 28 % to IBM Watson
Published Temperature = 78 C Humidity = 92 % moisture = 34 % to IBM Watson
Published Temperature = 99 C Humidity = 54 % moisture = 8 % to IBM Watson
Published Temperature = 89 C Humidity = 58 % moisture = 81 % to IBM Watson
Published Temperature = 33 C Humidity = 16 % moisture = 18 % to IBM Watson
Published Temperature = 94 C Humidity = 76 % moisture = 39 % to IBM Watson
```