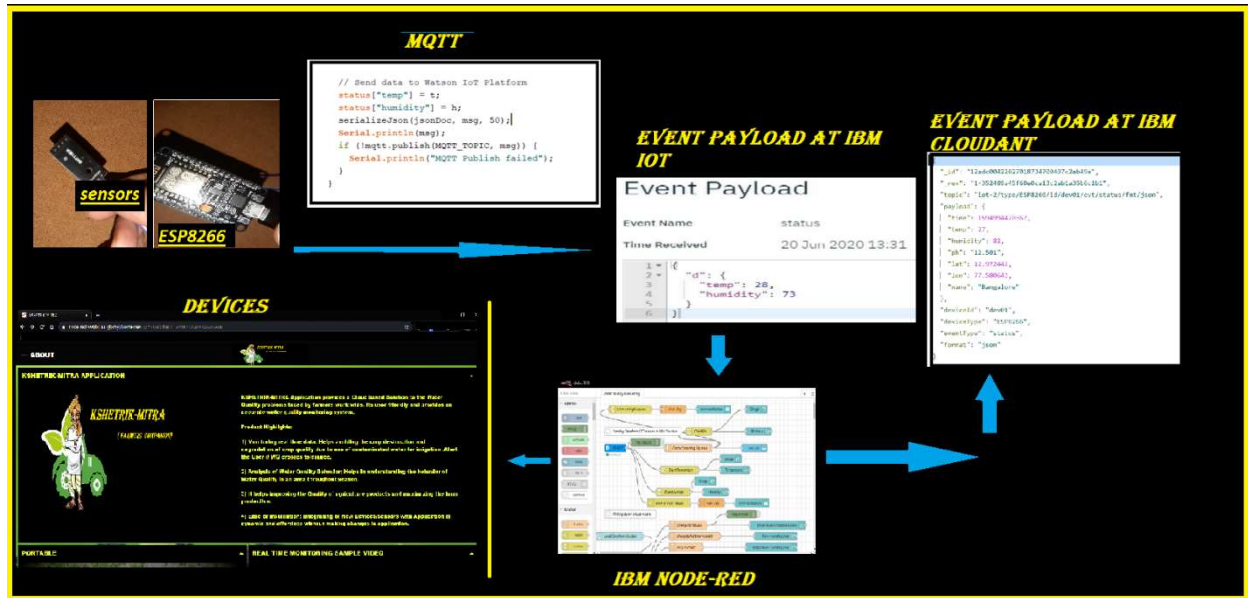


## Testing the KSHETRIK-MITRA



### For Testing

At every stage check the Structure of Data Flowing through the Network.

➔ From Device:

```
// Send data to Watson IoT Platform
status["temp"] = t;
status["humidity"] = h;
serializeJson(jsonDoc, msg, 50);
Serial.println(msg);
if (!mqtt.publish(MQTT_TOPIC, msg)) {
  Serial.println("MQTT Publish failed");
}
}
```

## → IBM WATSON IOT

Event Payload

Event Name

status

Time Received

20 Jun 2020 13:31

1

{

2

"d": {

3

"temp": 28,

4

"humidity": 73

5

}

6

}

## → IBM CLOUDANT

```
{
  "_id": "12edc00422027018734700497c2eb49e",
  "_rev": "1-352489a45f60e0ca13c2ab1a35b6c1b1",
  "topic": "iot-2/type/ESP8266/id/dev01/evt/status/fmt/json",
  "payload": {
    "time": 1594994420367,
    "temp": 27,
    "humidity": 82,
    "ph": "12.501",
    "lat": 12.972442,
    "lon": 77.580643,
    "name": "Bangalore"
  },
  "deviceId": "dev01",
  "deviceType": "ESP8266",
  "eventType": "status",
  "format": "json"
}
```

## → Payload Attribute description:

"time"	Timestamp at which data is received by IBM Watson IOT Instance
"temp":	Temperature at the device end
"humidity"	Humidity measured by device
"ph"	Parameter measured by device
"lat"	Latitude of the device location
"lon"	Longitude of the device location
"name"	Name of the place of device sending Data to the Cloud