

Sprint-1

Team ID: PNT2022TMID18045

Project Name: IoT Based Smart Crop Protection System for Agriculture

Source code is deployed on IBM Watson IoT platform to generate sensor data.

Source Code:

```
{  
    "temperature": random(0, 100),  
    "humidity": random(0, 100),  
    "moisture": random(0, 100),  
    "animalDetected": random(0,2)  
}
```

Output:

The screenshot displays the IBM Watson IoT Platform interface. The main window shows the 'Recent Events' tab for a device named 'cropProtection'. The events table lists three events, each with a timestamp and a JSON payload containing temperature, humidity, moisture, and animalDetected values. A modal window is open on the right, showing the configuration for a new event type named 'event_1'. The configuration includes a schedule of '20' seconds 'Every Minute' and a payload defined by the source code provided in the previous block. The bottom status bar indicates the device is 'Disconnected' and the timestamp is 'Oct 13, 2022 9:04 AM'.

Event	Value
event_1	{"temp":93,"hum":16,"moisture":97,"anim
event_1	{"temp":90,"hum":73,"moisture":15,"anim
event_1	{"temp":77,"hum":86,"moisture":87,"anim

Device Type: crop

Events 1

Event type name: event_1

Schedule: 20 Every Minute

Payload: {"temp": random(0, 100), "hum": random(0, 100), "moisture": random(0, 100), "animalDetected": random(0, 2)}

Device: cropProtection

Status: Disconnected

Timestamp: Oct 13, 2022 9:04 AM