

## Sprint-2

**Team ID: PNT2022TMID32078**

**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 panel shows the 'Recent Events' tab for a device named 'cropProtection'. The events table lists three entries, each with an 'Event' name and a 'Value' (a JSON object). The right-hand panel shows the configuration for a new event type named 'event\_1'. The 'Schedule' is set to 'Every Minute' with a delay of '20'. The 'Payload' is a JSON object with four fields: 'temp', 'hum', 'moisture', and 'animalDetected', each assigned a random value function. The bottom status bar indicates the device is 'Disconnected' and shows the timestamp '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) }

2 Disconnected cropProtection Device Oct 13, 2022 9:04 AM