

Sprint-2

Team ID: PNT2022TMD41422

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 dashboard shows a table of recent events for a device named 'cropProtection'. The table has two columns: 'Event' and 'Value'. The 'Value' column contains JSON payloads with random sensor data.

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

On the right, a configuration window for 'Device Type: crop' is open. It shows the 'Events' section with 'event_1' selected. The 'Schedule' is set to 'Every Minute'. The 'Payload' section shows the JSON payload being generated by the device.

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