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Team ID	PNT2022TMID04692
Project Name	IoT Based Smart Crop Protection System for Agriculture

## SPRINT 1

### IBM WATSON IOT PLATFORM:

#### #Device simulator code

```
{
  "randomNumber": random(0, 100),
  "temp": random(90, 110),
  "humid": random(60, 100)
}
```

The screenshot shows the IBM Watson IoT Platform dashboard. The main view is the 'Recent Events' tab for a device named 'Absaran'. The table lists several events, each with a unique 'Value' containing random data for 'randomNumber', 'temp', and 'humid'. A modal window is open for configuring a new event type, showing the event name 'eventflow', a schedule of 'Every Minute', and a payload editor with the following JSON: {"randomNumber": random(0, 100), "temp": random(90, 110), "humid": random(60, 100)}.

## Device Output using device simulator:

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar for 'Device ID' is present. The 'Device Simulator' toggle is turned on. The main content area displays a table of device information for device ID 12, which is 'Disconnected' and of type 'Absaran'. Below this, the 'Recent Events' tab is selected, showing a live stream of data events. The events are listed in a table with columns: Event, Value, Format, and Last Received.

Event	Value	Format	Last Received
eventflow	{"randomNumber":50,"temp":103,"humid":80}	json	a few seconds ago
eventflow	{"randomNumber":10,"temp":94,"humid":92}	json	a minute ago
eventflow	{"randomNumber":82,"temp":110,"humid":65}	json	2 minutes ago
eventflow	{"randomNumber":59,"temp":104,"humid":73}	json	3 minutes ago
eventflow	{"randomNumber":64,"temp":91,"humid":88}	json	4 minutes ago

1 Simulation running

## Devices:

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Your boards' and 'Public boards'. A 'Create New Board' button is visible. The main content area displays 'Your boards' with a 'Sort By' dropdown set to 'Recently changed'. There are three boards listed: 'SMART OFF' (3 Cards), 'USAGE OVERVIEW' (3 Cards), and 'RISK AND SECURITY OVERVIEW' (4 Cards). A fourth board is shown as a dashed box with a plus sign, indicating it can be added. Below the boards, there is a section for 'Boards shared with you'. The bottom status bar indicates '1 Simulation running'.

