

## SPRINT - 2

Team ID	PNT2022TMID11108
Project Name	Project – A low cost cloud-Based IoT System for Real-Time Monitoring and Controlling for Smart Farming

### OBJECTIVE:

Creating device in the IBM Watson IoT platform, workflow for IoT scenarios using Node-Red

### DEVICE CREATION IN THE IBM WATSON IoT PLATFORM:

The screenshot displays the IBM Watson IoT Platform interface. At the top, there are tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar labeled 'Search by Device ID' is present. A 'Device Simulator' toggle is set to 'On'. The main table lists devices with columns: Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. A device with ID '123' is highlighted, showing a status of 'Connected' and a device type of 'abcd'. Below the table, a modal window titled 'Recent Events' is open, showing a live stream of data. The events table has columns: Event, Value, Format, and Last Received. The events are status updates with JSON payloads containing sensor data. A notification at the bottom right states '0 Simulations running'.

Event	Value	Format	Last Received
status	{"sm":57,"hum":12,"temp":64}	json	a few seconds ago
status	{"sm":28,"hum":42,"temp":78}	json	a few seconds ago
status	{"sm":22,"hum":65,"temp":97}	json	a few seconds ago
status	{"sm":80,"hum":65,"temp":93}	json	a few seconds ago
status	{"sm":50,"hum":34,"temp":78}	json	a few seconds ago

## WORKFLOW FOR IoT SCENARIOS USING NODE-RED:

