

# Smart Farmer-IOT Enabled Smart Farming Application

## Project Development Phase

### Sprint Delivery -2

<b>Date</b>	19 November 2022
<b>Team ID</b>	PNT2022TMID17401
<b>Project Name</b>	Smart Farmer-IOT Enabled Smart Farming Application
<b>Leader Name</b>	Vasanth M
<b>Team Members Name</b>	Vijaya Sundar M Vishnuvarathan R Vishnu prasath S

#### Software:

1. Create device in the iot watson platform:

IBM Watson IoT Platform

922119106034@emartintemz.com  
ID: 43a4th

Browse

Action

Device Types

Interfaces

Add Device

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By
12345	Disconnected	NodeMCU	Device	Oct 31, 2022 3:32 PM		922119106034@emartintemz.com

Identity

Device Information

Recent Events

State

Logs

Device ID

Device Type

Date Added

Added By

Connection Status

12345

NodeMCU

Oct 31, 2022 3:32 PM

922119106034@emartintemz.com

Disconnected

Last Connected: Nov 5, 2022 6:59 PM

Client Address: 216.246.119.62 Insecure

Duration: 4 minutes

Data Transferred: 15.1 KB

Items per page: 50 | 1-1 of 1 item

1 of 1 page

Type here to search

25°C Cloudy

18:01 AM

14-11-2022

The screenshot displays the IBM Watson IoT Platform web interface. At the top, the browser address bar shows the URL: `41acth.internetothings.ibmcloud.com/(/sichtool/)/devices/browse`. The page header includes the "IBM Watson IoT Platform" logo and a user profile for "922119106034@smartinternz.com" with ID "41acth".

The main navigation bar contains tabs: "Browse", "Action", "Device Types", and "Interfaces". An "Add Device" button is located on the right. The central panel shows a device card for ID "12345", which is "Disconnected" and a "NodeMCU" device. The card's details are expanded to the "Recent Events" tab, showing a table of simulated data events.

Event	Value	Format	Last Received
event_1	{"Temperature":75,"Humidity":19}	json	a few seconds ago
event_1	{"Temperature":74,"Humidity":20}	json	a few seconds ago
event_1	{"Temperature":43,"Humidity":43}	json	a few seconds ago
event_1	{"Temperature":50,"Humidity":84}	json	a few seconds ago
event_1	{"Temperature":95,"Humidity":42}	json	a few seconds ago

At the bottom of the interface, a status bar indicates "1 Simulation running". The Windows taskbar at the very bottom shows the system clock as 10:08 AM on 14-11-2022.

## 2. Workflow for iot scenarios using local node red:

