

# **SPRINT 1-REPORT**

## **SMART FARMER-IoT BASED SMART FARMING APPILCATION**

**TEAM ID : PNT2022TMID31713**

**TEAM LEAD : SAMRITHA S**

**TEAM MEMBERS : 1. AAKASH J**

**2. DHEVAKI V**

**3. JANANI S**

**4. GOWTHAM S**

## Account in IBM cloud

The screenshot displays the IBM Cloud Dashboard interface. At the top, a dark navigation bar includes the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account (Samritha S's Account). Below this, the main dashboard area is titled "Dashboard" and features a sidebar with navigation icons. The central content area is divided into two main sections. The top section, labeled "For you", contains six cards: "Build" (purple background), "Use Cloud Foundry" (10 min, Recommended), "Explore IBM Cloud Shell" (2 min, Getting started), "Create and deploy an application" (5 min, Getting started), "Visit the IBM Cloud catalog" (1 min, Getting started), and "View available starter kits" (5 min, Recommended). The bottom section contains four tiles: "News" (with a link to "All About IBM Storage's Price and Supply Guarantee"), "Recent support cases" (with a "View all" link), "Planned maintenance" (with a "View all" link), and "IBM Cloud status" (with a "View all" link and a world map visualization).

IBM Cloud

Search resources and products...

Catalog Manage Samritha S's Account

Dashboard

Edit dashboard Upgrade account Create resource +

For you Select an option

**Build**  
Explore IBM Cloud with this selection of easy starter tutorials and services.

**Use Cloud Foundry**  
Deploy and run your applications without managing servers or clusters with IBM Cloud Foundry.  
Recommended 10 min

**Explore IBM Cloud Shell**  
Try a command-driven approach for creating, developing, and deploying a web project.  
Getting started 2 min

**Create and deploy an application**  
Browse our starter kits, and then select one to jump start the process to create and deploy your app.  
Getting started 5 min

**Visit the IBM Cloud catalog**  
Explore our unique product catalog that contains 190+ services and software for your business solutions.  
Getting started 1 min

**View available starter kits**  
Accelerate your cloud use with starter kits. View the most popular starter kits based on use case or language.  
Recommended 5 min

**News** View all  
All About IBM Storage's Price and Supply Guarantee  
IBM Tech Now: November 7, 2022  
Unified Key Orchestrator Now Supports Easy

**Recent support cases** View all

**Planned maintenance** View all

**IBM Cloud status** View all

## Account in Watson IoT Platform

The screenshot displays the IBM Watson IoT Platform interface. At the top, the header shows the user's email (samritha.s2019@kgkile.ac.in) and ID (2tpcx1). The main navigation bar includes tabs for Browse, Action, Device Types, and Interfaces, along with an 'Add Device' button. A table lists three devices:

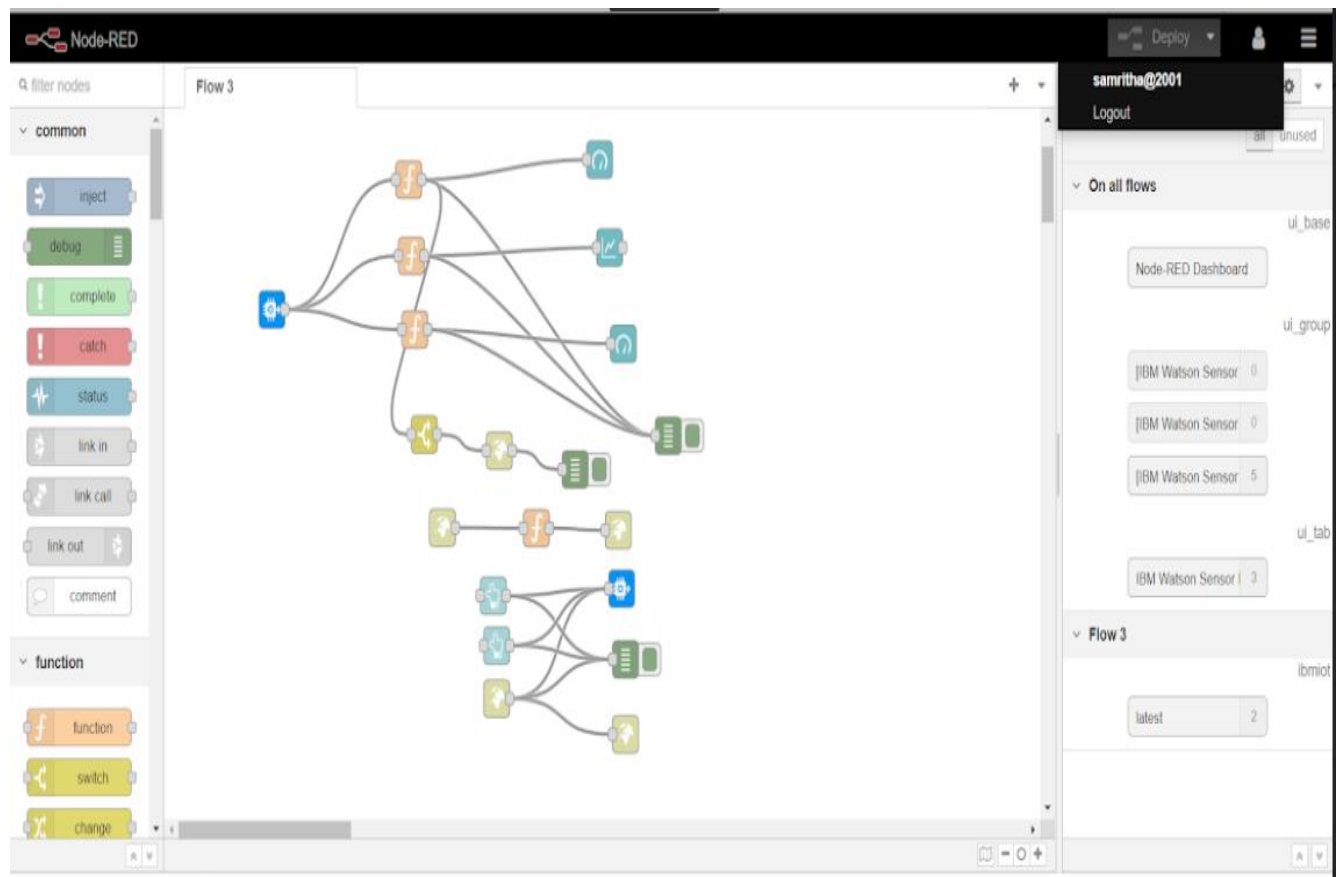
Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Disconnected	NodeMCU	Device	Oct 25, 2022 1:46 PM	
Ultrasonic	Disconnected	Ultrasonic_1	Device	Nov 1, 2022 9:53 PM	
Ultrasonic_1	Connected	Ultrasonic	Device	Nov 1, 2022 10:41 PM	

The 'Ultrasonic\_1' device is selected, and its details are shown in a modal window. The modal has tabs for Identity, Device Information, Recent Events, State, and Logs. The 'Identity' tab is active, displaying the following information:

Device ID	Ultrasonic_1
Device Type	Ultrasonic
Date Added	Nov 1, 2022 10:41 PM
Added By	samritha.s2019@kgkile.ac.in
Connection Status	Connected
	Connection Time: Nov 1, 2022 10:41 PM
	Client Address: 106.197.123.99 SecureToken

At the bottom of the modal, it indicates 'Items per page 50' and '1-3 of 3 items'. Below the modal, a status bar shows '1 Simulation running'.

## Account in Node-Red



## Creating device in Watson IoT Platform

The screenshot displays the IBM Watson IoT Platform interface. At the top, the header shows the user's email (samritha.s2019@kgkite.ac.in) and ID (2tpcx1). The main navigation bar includes tabs for Browse, Action, Device Types, and Interfaces, along with an 'Add Device' button. A table lists three devices:

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Disconnected	NodeMCU	Device	Oct 25, 2022 1:46 PM	
Ultrasonic	Disconnected	Ultrasonic_1	Device	Nov 1, 2022 9:53 PM	
Ultrasonic_1	Connected	Ultrasonic	Device	Nov 1, 2022 10:41 PM	

The 'Ultrasonic\_1' device is selected, and its details are shown in a modal window. The modal has tabs for Identity, Device Information, Recent Events, State, and Logs. The 'Device Information' tab is active, displaying the following details:

- Device ID: Ultrasonic\_1
- Device Type: Ultrasonic
- Date Added: Nov 1, 2022 10:41 PM
- Added By: samritha.s2019@kgkite.ac.in
- Connection Status: **Connected**  
Connection Time: Nov 1, 2022 10:41 PM  
Client Address: 106.197.123.99 SecureToken

At the bottom of the interface, a status bar indicates '1 Simulation running'.