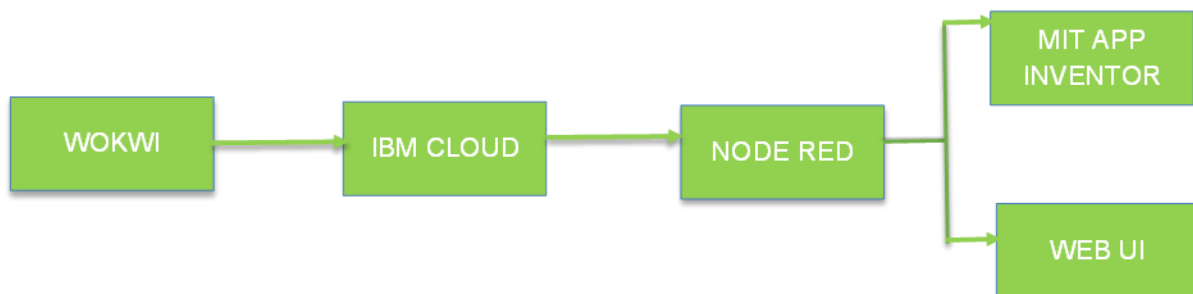


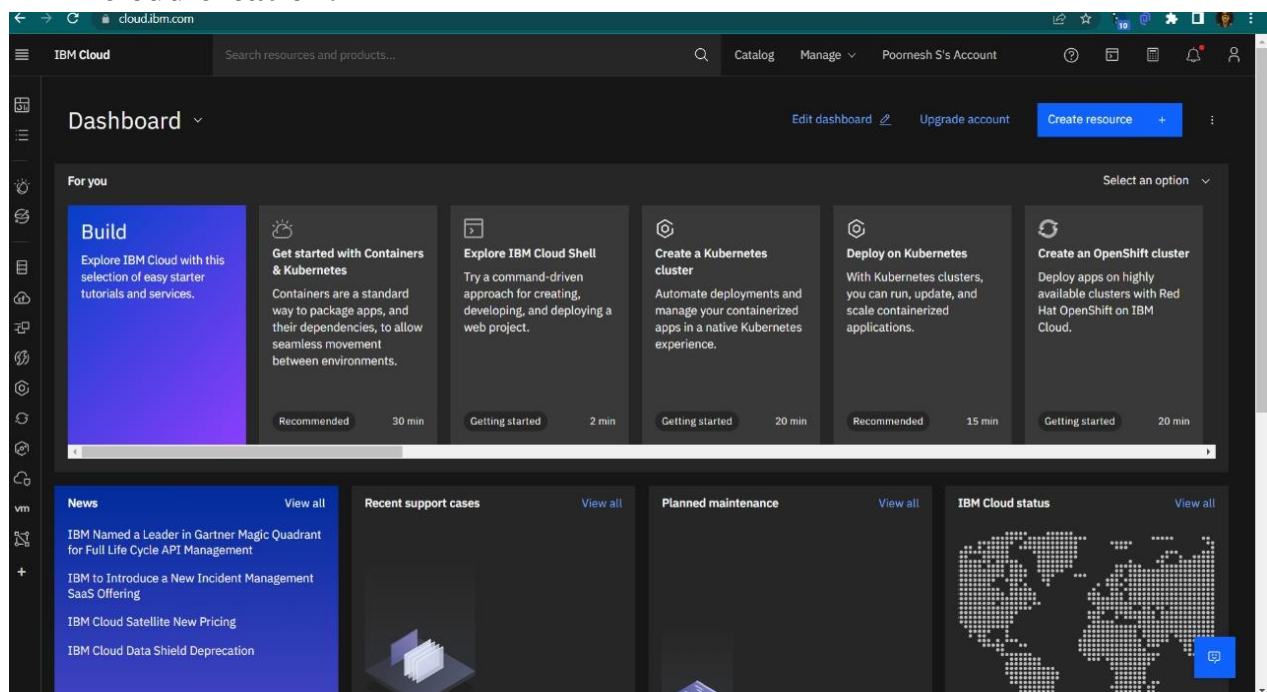
Project Development Phase Sprint - 1

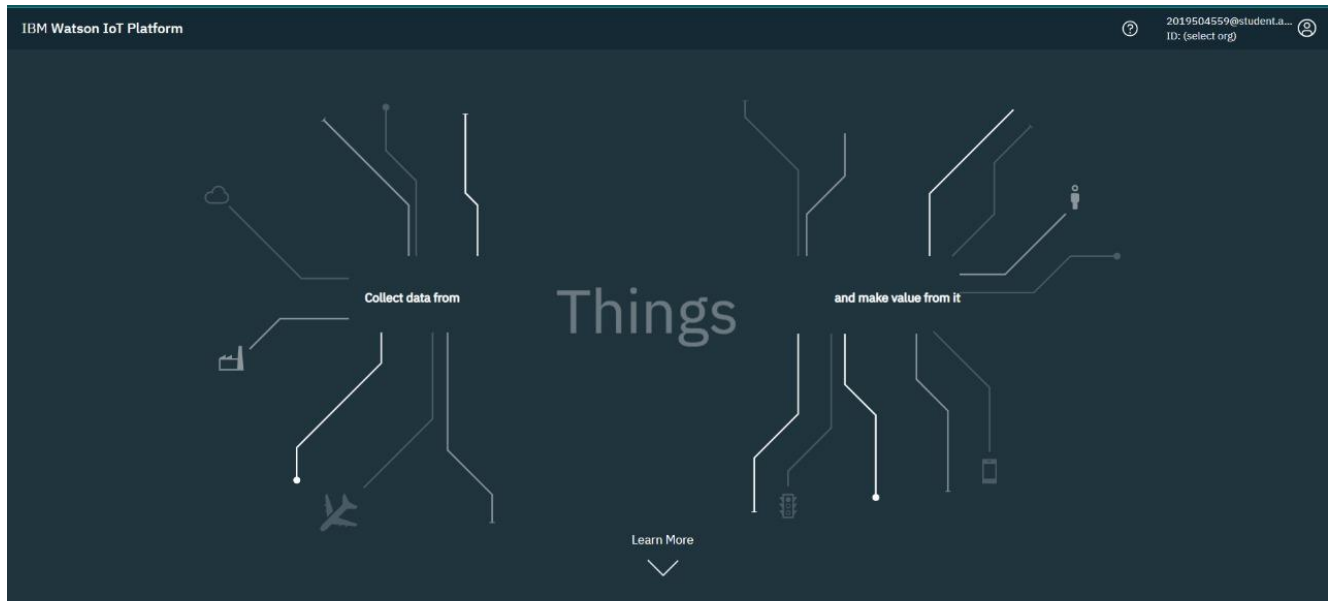
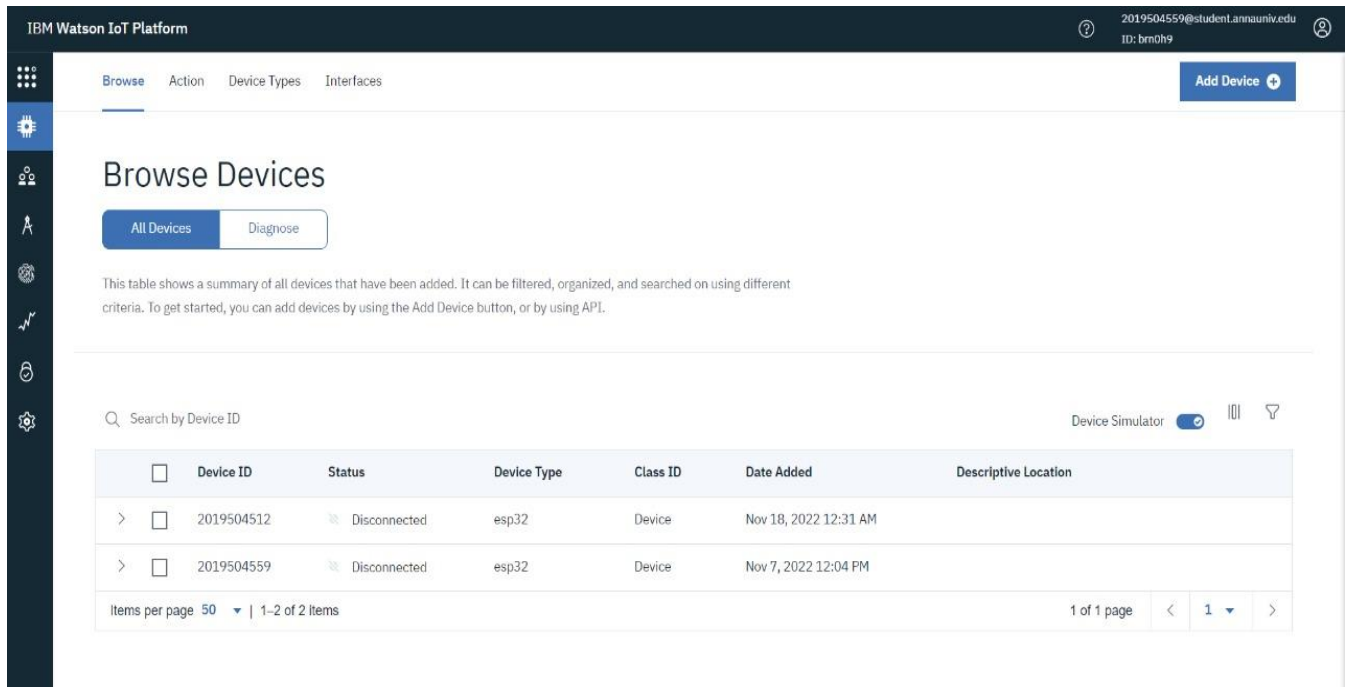
Date	7 November 2022
Team ID	PNT2022TMID35869
Project Name	Smart waste management system
Maximum Marks	4 Marks

WORKFLOW:



Sprint 1 – We have attached the IBM cloud and Node Red simulation IBM cloud creation:



IBM Watson IoT Platform creation:**New device creation:**The image displays the "Browse Devices" page in the IBM Watson IoT Platform. The page has a dark sidebar with navigation icons and a main content area. The header of the main area includes "Browse", "Action", "Device Types", and "Interfaces" tabs, along with an "Add Device" button. The "Browse Devices" title is prominently displayed. Below the title are "All Devices" and "Diagnose" buttons. A descriptive paragraph states: "This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API." Below this is a search bar labeled "Search by Device ID" and a "Device Simulator" toggle switch. The main content is a table with the following data:

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
>	2019504512	Disconnected	esp32	Device	Nov 18, 2022 12:31 AM	
>	2019504559	Disconnected	esp32	Device	Nov 7, 2022 12:04 PM	

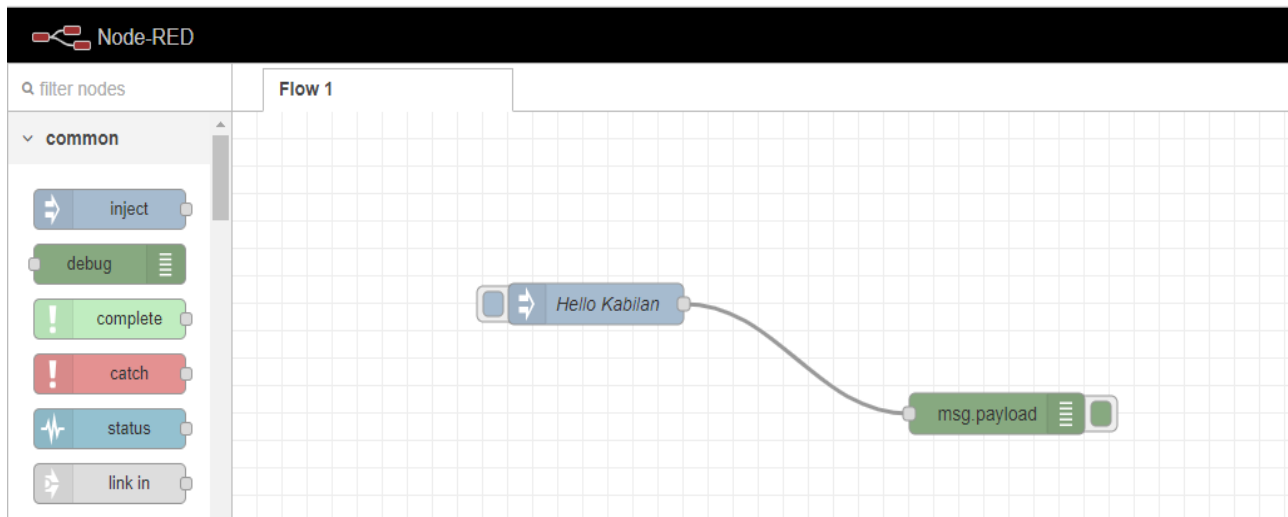
At the bottom, there is a pagination control showing "Items per page 50" and "1 of 1 page".

Node red creation:

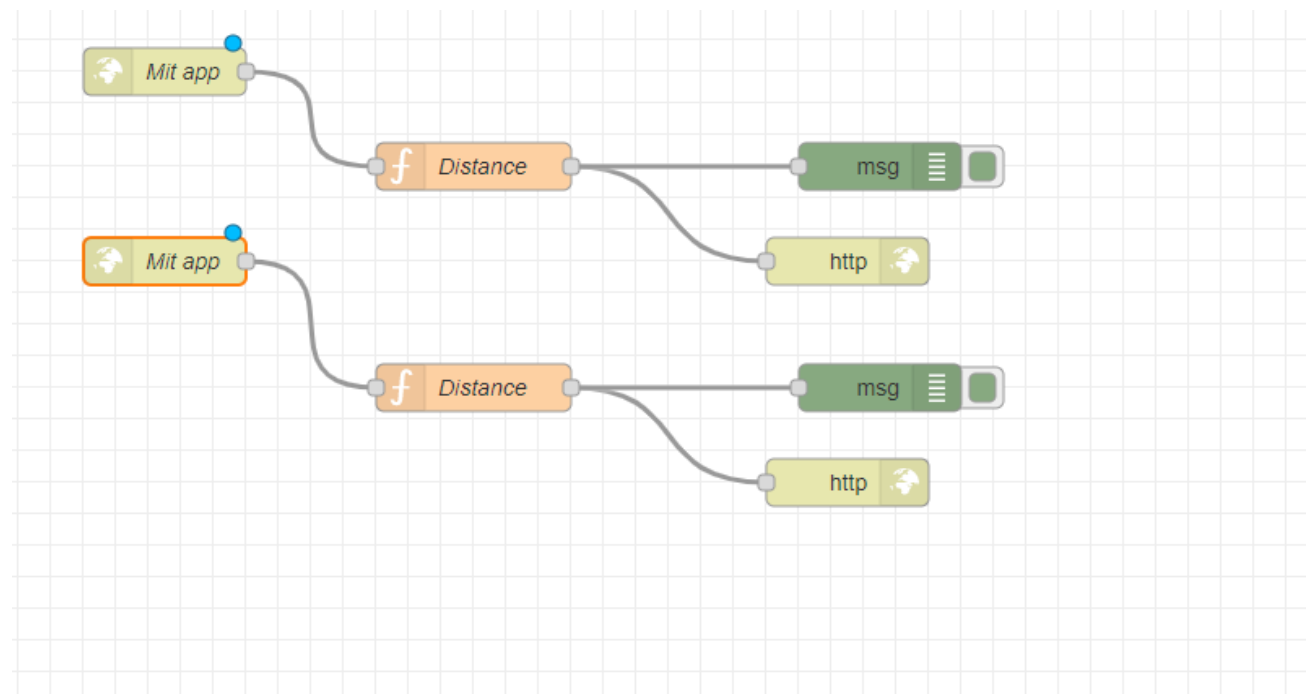
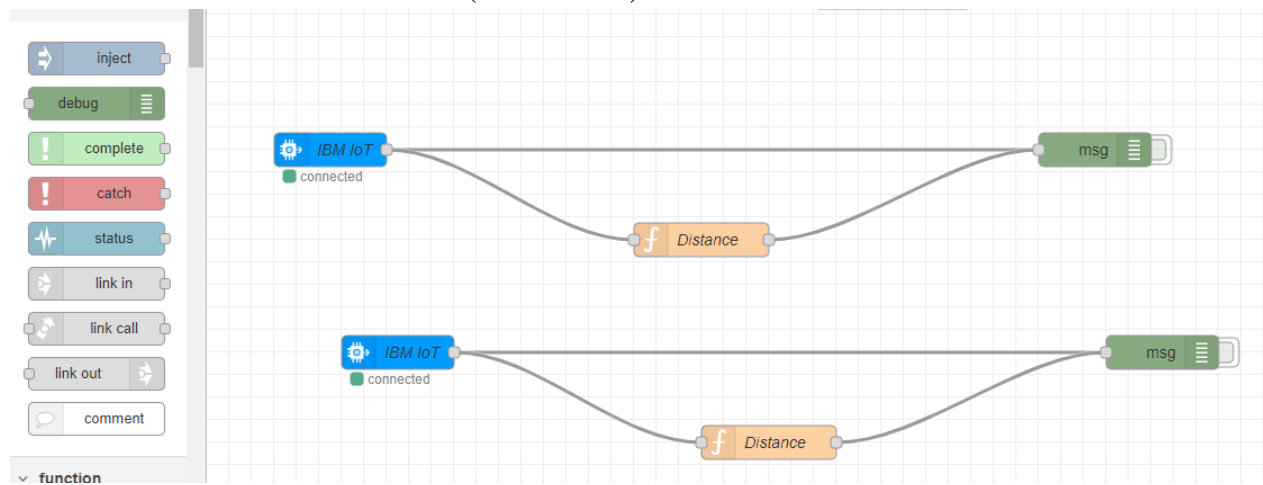
The screenshot displays the IBM Cloud console interface for a resource named "Poornesh first try real for this time". The interface is divided into several sections:

- Details:** A table showing the App URL (<http://159.122.175.68:32472>), Source (<https://us-south.git.cloud.ibm.com/201904559/Poorneshfirst...>), Resource group (Default), Deployment target (Kube/Helm), and Created date (11/8/2022).
- Services:** A section for Cloudant services, including links to Open dashboard, Documentation, and API reference, and a Credentials dropdown. Buttons for "Connect existing services" and "Create service" are also present.
- Deployment Automation:** A section showing the Name (Poorneshfirsttryrealforthisime), Location (Dallas), and Tool integrations (Kubernetes, Helm, Jenkins). It also lists Delivery Pipelines: pr-pipeline (No stages detected) and ci-pipeline (Success).
- Getting started quickly:** A sidebar with a "Configuring your app" section, providing a 5-step guide to connect services and DevOps toolchains to the app.


NODE RED FLOW-TESTING:



SMART WASTE MANAGEMENT (NODE RED):



FUNCTION FOR LEVEL:


 Setup

On Start


On Message


On Stop

```
1 global.set("d1",msg.payload)
2 global.set("id1",msg.deviceId)
3 return msg;
```

 Name

Distance



 Setup

On Start

On Message

On Stop

```
1 msg.payload = {"distance":global.get("d1"),
2               "deviceId":global.get("id1")}
3 ^
4 return msg;
```