

## SPRINT-1

<b>Date</b>	17 November 2022
<b>Team ID</b>	PNT2022TMID06157
<b>Project Name</b>	IoT Based Smart Crop Protection System for Agriculture

### **SOFTWARE:**

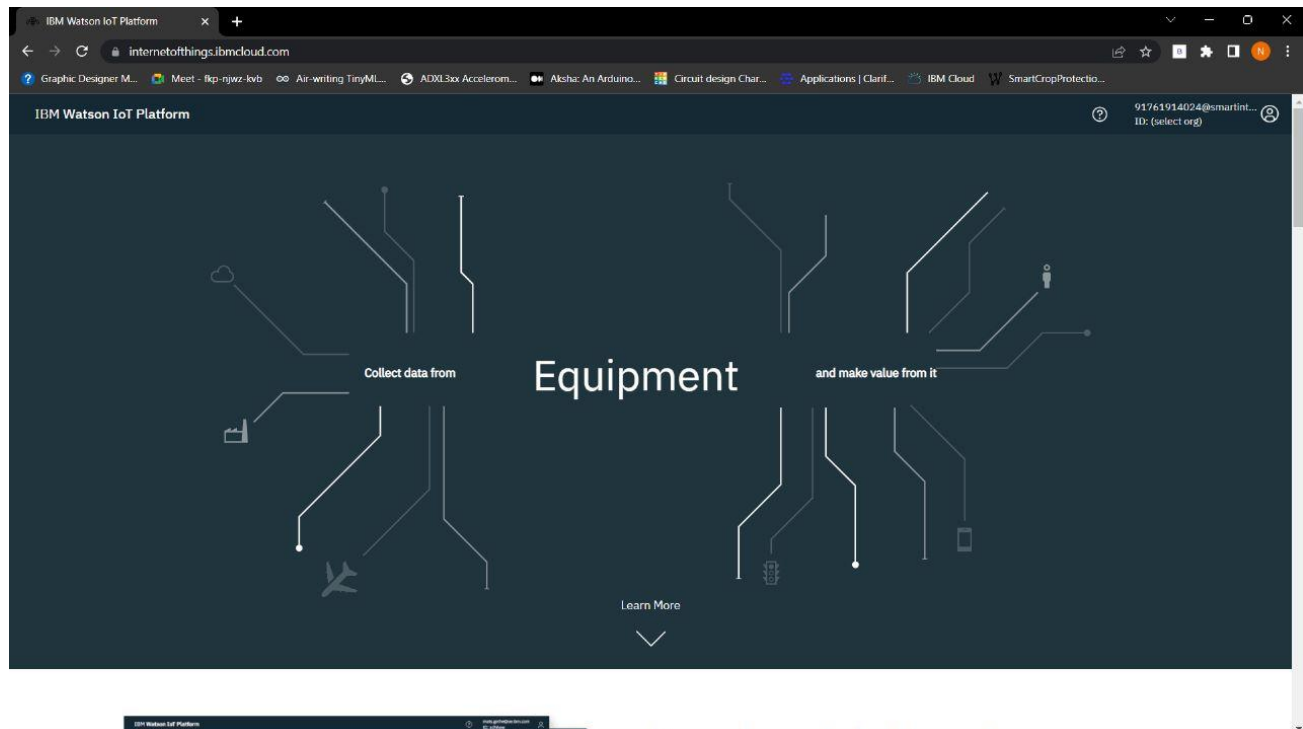
The software used in our project –“IoT Based Smart Crop Protection System for Agriculture”

are:

- IBM Watson IOT Platform
- Node-Red Services
- Clarifi account

### **Step 1:**

We have created an IBM Cloud account and an IBM Watson IOT Platform .



## Step 2:

We created an IOT device to connect with ESP32, node-red and python script.

IBM Watson IoT Platform

Browse Devices

All Devices Diagnose

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.

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
123	Disconnected	Motor	Device	Nov 18, 2022 4:51 AM	
12345	Disconnected	SmartCropProtection	Device	Nov 12, 2022 4:26 PM	

Items per page 50 | 1-2 of 2 items

1 of 1 page

0 Simulations running

## Step 3:

Then we created Clarifi account.

portal.clarifi.com/users/nandhini13/apps/d0fd43e343ca4d0091ac014a85de5004

my-first-application

APP ID: d0fd43e343ca4d0091ac014a85de5004

DESCRIPTION

DEFAULT LANGUAGE: English

BASE WORKFLOW: General

CREATED: November 12, 2022

DANGER ZONE: Delete All Inputs Delete All Models Delete App

View In Explorer Add Inputs

API Keys

Find Animal

Nov 18, 2022

Create new API key

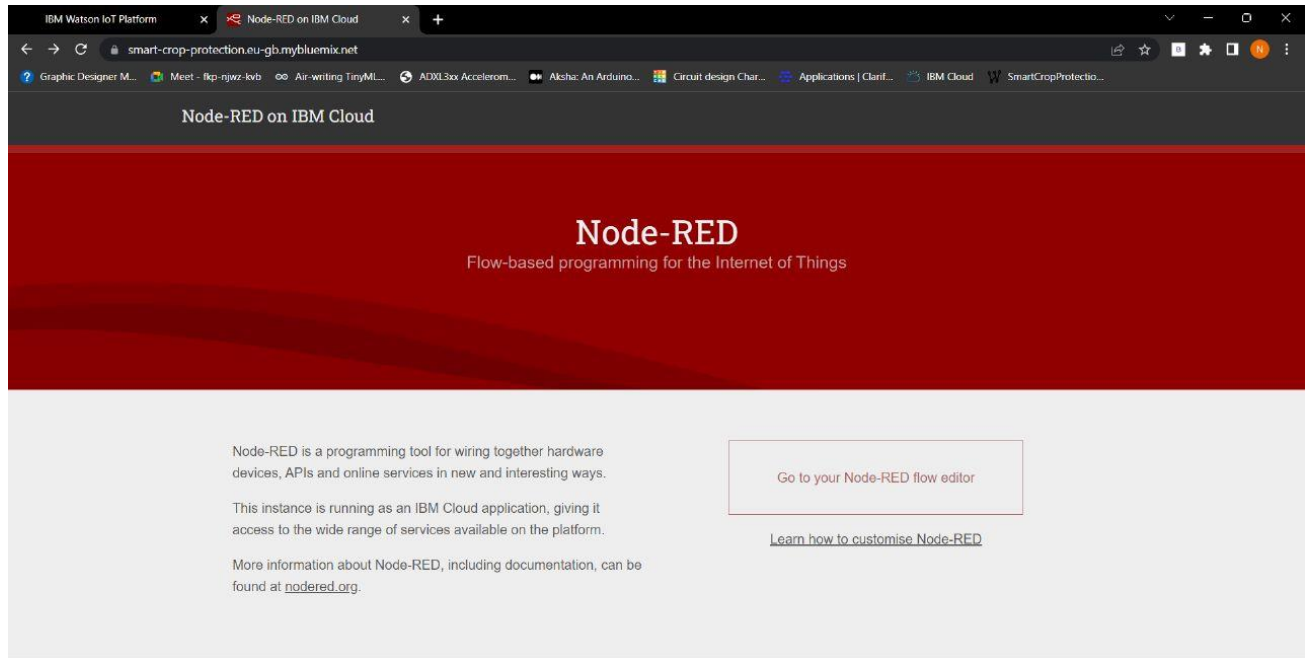
Collaborators

You currently have no collaborators on this App.

Add Collaborators

## **Step 4:**

Then we created Node-RED



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Customising your instance of Node-RED