

SPRINT-4

Date	10 November 2022
TEAM ID	PNT2022TMID32056
Project Name	IoT Based smart crop Protection system for agriculture
Maximum mark	20 marks

The screenshot displays the Node-RED web interface in a browser. The address bar shows the URL: `127.0.0.1:1880/#flow/29b7a8a83c697f0e`. The main workspace shows a flow named "IBMIOT(smart Agriculture)". The flow starts with an "IBM IoT" node (connected), which branches into "Motor on", "Motor off", and "timestamp". These connect to an "http request" node. The "http request" node outputs to a "msg.payload" node, which then branches into multiple nodes: "Temperature", "Humidity", "Region", "Weather Description", "Soil Moisture", "Soil moisture", "Humidity", and "Temperature". Each of these nodes is connected to a corresponding output node (e.g., "Temperature" to "Temperature"). The right sidebar shows a debug console with a log of messages, including coordinates, weather data, and visibility.

SIMULATION:

Simulated program to get the random values.

Smart Agriculture

MOTOR ON

MOTOR ON

MOTORDOFF

MOTORDOFF

Humidity51

Humidity51

Weather Descriptionclear sky

Weather Descriptionclear sky

Temperature296.88

RegionPonda

Temperature296.88

RegionPonda

Soil moisture

Soil moisture

Humidity

Humidity

Soil moisture

0

Soil moisture

0

Humidity

0

Temperature

WhatsApp Image...jpeg

sprint 3.pdf

sprint 4.pdf

IoT.apk

Node-RED11.html

Show all

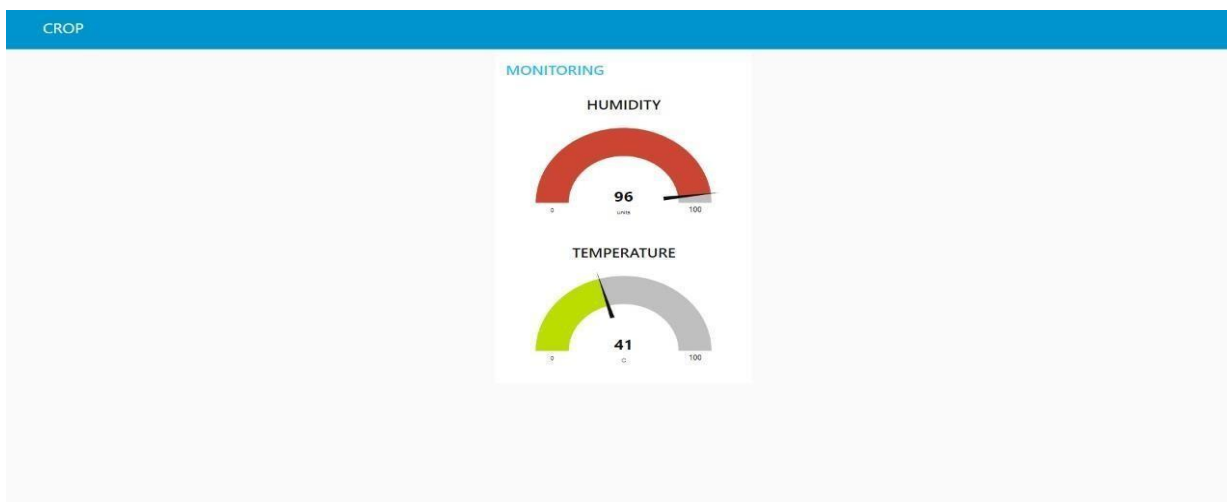
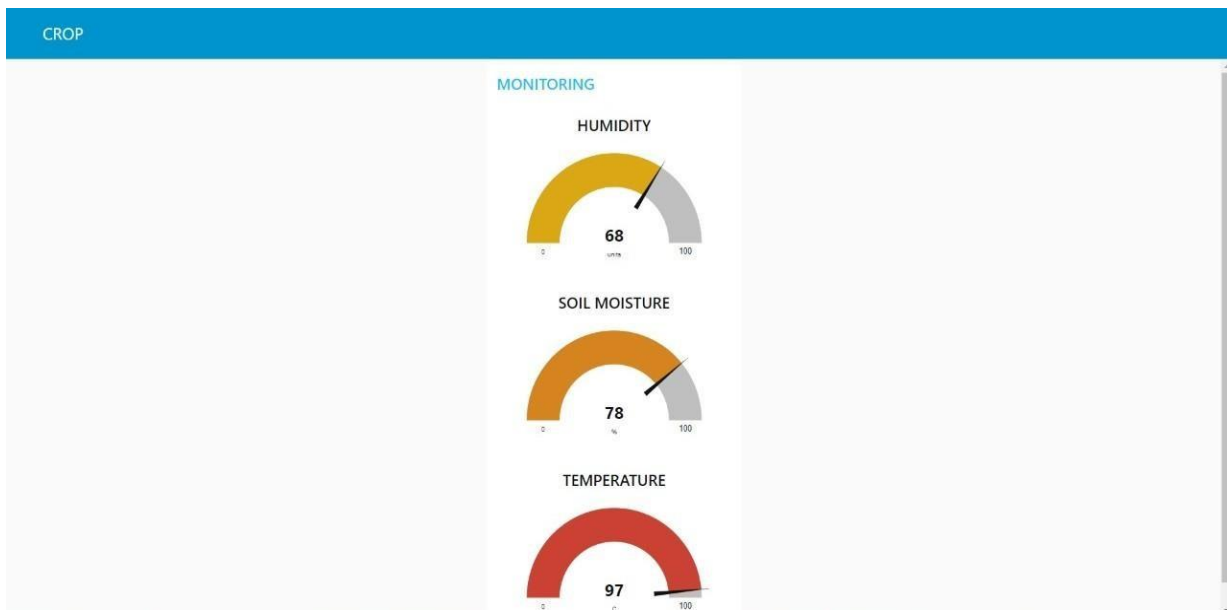
Type here to search

23°C

06:51

17-11-2022

STEP2: Generate debug message from IBM Watson IOT Platform and connect the nodes.



STEP3: Generate the some output from recent events

IBM Watson IoT Platform

12345678

Disconnected

ibm

Device

Nov 16, 2022 4:04 PM

cumabharathi2001@gmail.com

Identity

Device Information

Recent Events

State

Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
event_1	{"temperature":46,"humidity":40,"moisture":9," ...	json	a few seconds ago
event_1	{"temperature":52,"humidity":94,"moisture":77," ...	json	a minute ago
event_1	{"temperature":3,"humidity":54,"moisture":20," ...	json	2 minutes ago
event_1	{"temperature":61,"humidity":47,"moisture":73," ...	json	3 minutes ago
event_1	{"temperature":92,"humidity":64,"moisture":16," ...	json	4 minutes ago

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1 Simulation running

Sprint 3 (1).docx

Sprint 3 (1).pdf

sprint 2-data-fro....docx

sprint 2-data-fro....docx

sprint 2-data-from....pdf

Show all

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ENG

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17-11-2022