

SPRINT-4

Date	10 November 2022
TEAM ID	PNT2022TMI20272
Project Name	IoT Based smart crop Protection system for agriculture
Maximum mark	20 marks

The screenshot displays a Node-RED web interface in a browser window. The address bar shows the URL `127.0.0.1:1880/#flow/29b7a8a83c697f0e`. The interface is divided into several sections:

- Left Panel (Nodes):** Contains various input, output, sequence, and parser nodes. The 'sequence' section is expanded, showing nodes like 'split', 'join', 'sort', and 'batch'.
- Canvas:** The main workspace where a flow is being built. It includes:
 - Input:** 'Motor on' and 'Motor off' nodes.
 - Processing:** A 'timestamp' node, an 'IBM IoT' node (labeled 'connected'), and an 'http request' node.
 - Output:** A 'msg payload' node that branches into multiple output nodes: 'Temperature', 'Humidity', 'Region', 'Weather Description', 'Soil Moisture', and 'Soil moisture'.
- Right Panel (Debug Console):** Shows a series of JSON messages being received from the 'IBM IoT' node. Each message is an object with a 'coord' property (an array of coordinates), a 'base' property ('stations'), and a 'main' property (an object with 'object' and 'visibility: 10000').

At the bottom of the browser window, a taskbar is visible with several open files: 'Project-Video (1).mp4', 'Project Scope.docx', 'DEVELOP A PYTH...docx', 'DEVELOP A PYTH...pdf', and 'Sprint 3 (1).docx'. The system tray shows the date and time as '17-11-2022' and '05:35'.

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

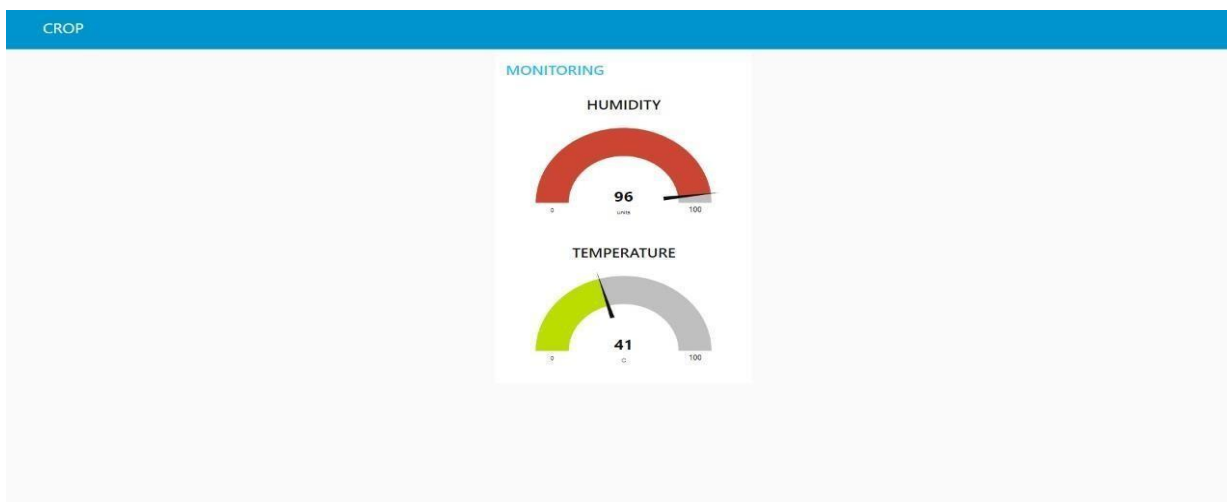
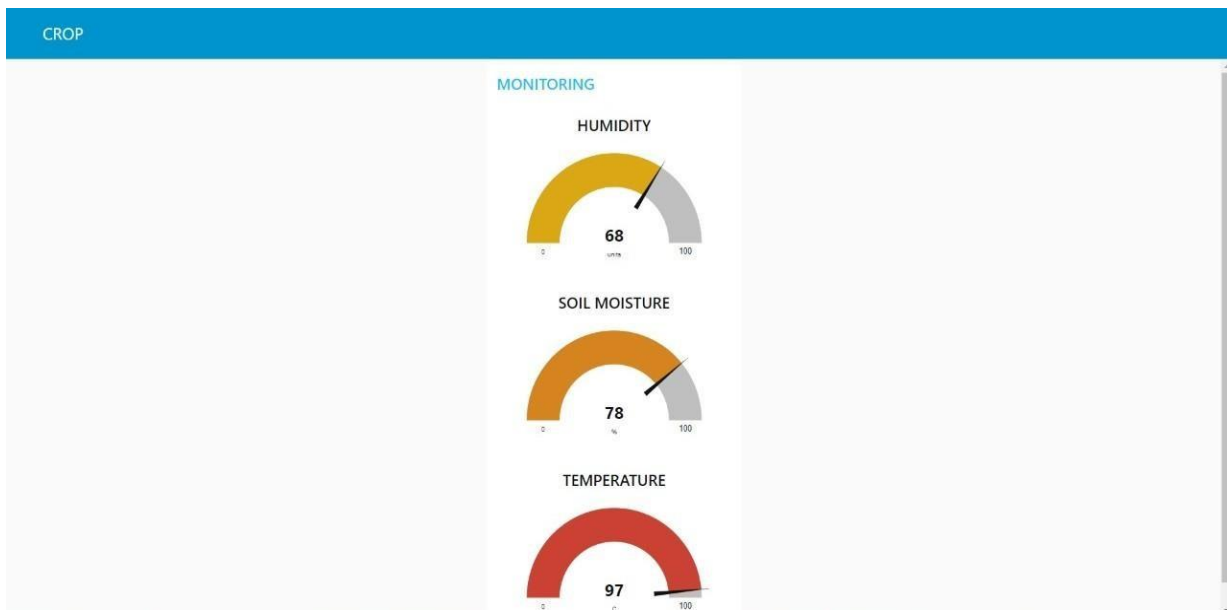
Type here to search

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":64,"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

Type here to search

23°C

ENG

04:23

17-11-2022