

TEAM ID	PNT2022TMID03994
PROJECT TITLE	IoT Based Smart Crop Protection System for Agriculture

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[
  {
    "id": "8fab44bd.a90a78",
    "type": "tab",
    "label": "IBM IoT-UI",
    "disabled": false,
    "info": ""
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    "type": "ibmiot in",
    "z": "8fab44bd.a90a78",
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    "inputType": "evt",
    "logicalInterface": "",
    "ruleId": "",
    "deviceId": "1410a2000",
    "applicationId": "",
    "deviceType": "IoT_Sensor",
    "eventType": "+",
    "commandType": "Data",
    "format": "json",
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    "allCommands": "",
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    "ace840b4.e9014",
    "811784ad.111378",
    "68abc0e2.cc756"
  ]
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{
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  "name": "",
  "active": true,
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  "console": false,
  "tostatus": false,
  "complete": "payload",
  "targetType": "msg",
  "x": 290,
  "y": 200,
  "wires": []
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  "z": "8fab44bd.a90a78",
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  "noerr": 0,
  "x": 300,
  "y": 80,
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      "18710b82.ee1814"
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    "outputs": 1,
    "noerr": 0,
    "x": 280,
    "y": 120,
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        "7403cd54.192ce4"
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    "height": 0,
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    "label": "C",
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    "max": "40",
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    "gtype": "gage",
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  {
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    "name": "Soil Temperature",
    "func": "msg.payload=msg.payload.d.objectTemp\nreturn msg;",
    "outputs": 1,
    "noerr": 0,
    "x": 310,
    "y": 160,
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        "f31ac5a2.181198",
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        "dde0e6ad.e51b68"
      ]
    ]
  }
],
{

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    "width": 0,
    "height": 0,
    "gtype": "gage",
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    "max": "40",
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        "#e6e600",
        "#ca3838"
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    "seg2": "",
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    "y": 200,
    "wires": []
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    "group": "3c243370.98abdc",
    "order": 5,
    "width": 0,
    "height": 0,
    "name": "",
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    "format": "{{msg.payload}}",
    "layout": "row-spread",
    "x": 610,
    "y": 40,
    "wires": []
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"z": "8fab44bd.a90a78",
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  "order": 5,
  "width": 0,
  "height": 0,
  "name": "",
  "label": "IBM Sensor Soil Temperature (C)",
  "format": "{{msg.payload}}",
  "layout": "row-spread",
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  "y": 240,
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  "name": "HTTP Inject",
  "topic": "",
  "payload": "",
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        "ret": "obj",
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"http://api.openweathermap.org/data/2.5/weather?q=Mumbai&units=metric&appid=577a1cbdc
2a11d51cc74f5f5962791a",
        "tls": "",
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        "proxy": "",
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                "432a3d64.d27124",
                "38059f89.05df"
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        ]
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  ]
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  "group": "5c872dc1.21f164",
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  "height": 0,
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  "max": "100",

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"colors": [
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    "#e6e600",
    "#ca3838"
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"x": 620,
"y": 360,
"wires": []
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  "z": "8fab44bd.a90a78",
  "name": "Humidity",
  "func": "msg.payload=msg.payload.main.humidity\nreturn msg;",
  "outputs": 1,
  "noerr": 0,
  "x": 440,
  "y": 320,
  "wires": [
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      "1a959367.7575fd"
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  "z": "8fab44bd.a90a78",
  "group": "5c872dc1.21f164",
  "order": 5,
  "width": 0,
  "height": 0,
  "name": "",
  "label": "Real-time Temperature (C)",
  "format": "{{msg.payload}}",
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  "y": 280,
  "wires": []
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  "z": "8fab44bd.a90a78",
  "group": "5c872dc1.21f164",
  "order": 5,
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  "height": 0,
  "name": "",
  "label": "Real-time Humidity (%)",
  "format": "{{msg.payload}}",
  "layout": "row-spread",
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  "y": 400,
  "wires": []
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  "z": "8fab44bd.a90a78",
  "name": "FeelsLike",
  "func": "msg.payload=msg.payload.main.feels_like\nreturn msg;",
  "outputs": 1,
  "noerr": 0,
  "x": 440,
  "y": 420,
  "wires": [
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      "84fd029d.60bce"
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  ]
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  "type": "ui_gauge",
  "z": "8fab44bd.a90a78",
  "name": "",
  "group": "5c872dc1.21f164",
  "order": 8,
  "width": 0,
  "height": 0,
  "gtype": "gage",
  "title": "FeelsLike Temperature",

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        "#ca3838"
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    "x": 660,
    "y": 440,
    "wires": []
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{
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    "type": "ui_text",
    "z": "8fab44bd.a90a78",
    "group": "5c872dc1.21f164",
    "order": 5,
    "width": 0,
    "height": 0,
    "name": "",
    "label": "FeelsLike Temperature (C)",
    "format": "{{msg.payload}}",
    "layout": "row-spread",
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    "y": 480,
    "wires": []
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    "type": "ibmiot out",
    "z": "8fab44bd.a90a78",
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    "apiKey": "7dd0c222.d9446c",
    "outputType": "cmd",
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    "deviceType": "Data",
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    "format": "json",
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    "qos": 0,

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    "name": "IBM IoT",
    "service": "registered",
    "x": 740,
    "y": 560,
    "wires": []
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    "type": "ui_button",
    "z": "8fab44bd.a90a78",
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    "group": "95ec373b.008dd8",
    "order": 1,
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    "height": 2,
    "passthru": false,
    "label": "WaterPump ON",
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    "bgcolor": "#008000",
    "icon": "",
    "payload": "true",
    "payloadType": "bool",
    "topic": "",
    "x": 110,
    "y": 520,
    "wires": [
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        "832d7371.b7f0f"
      ]
    ]
  },
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    "type": "ui_button",
    "z": "8fab44bd.a90a78",
    "name": "MOTOR OFF",
    "group": "95ec373b.008dd8",
    "order": 2,
    "width": 4,
    "height": 2,
    "passthru": false,
    "label": "WaterPump OFF",
    "tooltip": "",

```

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"color": "",
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"icon": "",
"payload": "false",
"payloadType": "bool",
"topic": "",
"x": 100,
"y": 560,
"wires": [
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  ]
]
},
{
  "id": "832d7371.b7f0f",
  "type": "function",
  "z": "8fab44bd.a90a78",
  "name": "MOTOR_STATUS_CHECK",
  "func": "if(msg.payload === true)\n  msg.payload = '{\"motor\": \"ON\"}'\nelse\nmsg.payload = '{\"motor\": \"OFF\"}'\nreturn msg;",
  "outputs": 1,
  "noerr": 0,
  "x": 360,
  "y": 540,
  "wires": [
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      "864d1114.f5ca6",
      "b4f33b63.71c3e8"
    ]
  ]
},
{
  "id": "864d1114.f5ca6",
  "type": "function",
  "z": "8fab44bd.a90a78",
  "name": "Status",
  "func": "var data=JSON.parse(msg.payload);\nmsg.payload=data.motor;\nreturn msg;\n",
  "outputs": 1,
  "noerr": 0,
  "x": 570,
  "y": 520,
  "wires": [
    [

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```

        "bf60451b.fd8be8",
        "f2e6273b.57ac58",
        "9087050c.0e4fd8"
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    "type": "json",
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    "name": "MOTOR",
    "property": "payload",
    "action": "",
    "pretty": false,
    "x": 580,
    "y": 560,
    "wires": [
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        ]
    ]
},
{
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    "z": "8fab44bd.a90a78",
    "group": "95ec373b.008dd8",
    "order": 3,
    "width": 0,
    "height": 0,
    "name": "",
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    "format": "{{msg.payload}}",
    "layout": "row-spread",
    "x": 750,
    "y": 520,
    "wires": []
},
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    "type": "ui_toast",
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    "position": "top right",
    "displayTime": "3",

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"highlight": "",
"sendall": true,
"outputs": 0,
"ok": "OK",
"cancel": "",
"raw": true,
"topic": "",
"name": "Notif",
"x": 910,
"y": 520,
"wires": []
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  "type": "ui_audio",
  "z": "8fab44bd.a90a78",
  "name": "Audio",
  "group": "95ec373b.008dd8",
  "voice": "en-US",
  "always": true,
  "x": 910,
  "y": 560,
  "wires": []
},
{
  "id": "7dd0c222.d9446c",
  "type": "ibmiot",
  "z": "",
  "name": "",
  "keepalive": "60",
  "serverName": "",
  "cleansession": true,
  "appld": "",
  "shared": false
},
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  "id": "3c243370.98abdc",
  "type": "ui_group",
  "z": "",
  "name": "IBM Watson",
  "tab": "8314a149.d930b",
  "order": 1,
  "disp": true,
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    "collapse": false
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    "name": "Realt-time Weather",
    "tab": "8314a149.d930b",
    "order": 1,
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    "width": "6",
    "collapse": false
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    "type": "ui_group",
    "z": "",
    "name": "Motor Control",
    "tab": "e07a6d62.98f32",
    "order": 1,
    "disp": true,
    "width": 8,
    "collapse": false
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    "z": "",
    "name": "IBM Watson Sensor Data",
    "icon": "dashboard",
    "disabled": false,
    "hidden": false
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    "id": "e07a6d62.98f32",
    "type": "ui_tab",
    "z": "",
    "name": "Controls",
    "icon": "dashboard",
    "disabled": false,
    "hidden": false
  }
]

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