

SPRINT 2

Team ID	PNT2022TMID53630
Project name	Smart Farmer - IoT Enabled Smart Farming Application

Creating a new device in IBM Watson IOT platform

Revilla Jyosthna:

The screenshot shows the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons. The main content area displays the details for a device named 'SmartFarmer_RevillaJyosthna' with ID '93456'. The device status is 'Disconnected' and it was last updated on 'Nov 9, 2022 9:02 PM'. The 'Recent Events' tab is selected, showing a table of events. The table has columns for 'Event', 'Value', 'Format', and 'Last Received'. The events are listed as 'event_1' with values like '{"Temperature":23,"Humidity":52,"Soilmoisture":...}' in 'json' format, received 'a few seconds ago'.

Event	Value	Format	Last Received
event_1	{"Temperature":23,"Humidity":52,"Soilmoisture":...}	json	a few seconds ago
event_1	{"Temperature":67,"Humidity":36,"Soilmoisture":...}	json	a few seconds ago
event_1	{"Temperature":45,"Humidity":24,"Soilmoisture":...}	json	a few seconds ago
event_1	{"Temperature":20,"Humidity":42,"Soilmoisture":...}	json	a few seconds ago
event_1	{"Temperature":41,"Humidity":44,"Soilmoisture":...}	json	a few seconds ago

Pannave K:

The screenshot shows the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons. The main content area displays the details for a device named 'SmartFarmer_PannaveK' with ID '7jhz6m'. The device status is 'Disconnected' and it was last updated on 'Nov 9, 2022 9:02 PM'. The 'Recent Events' tab is selected, showing a table of events. The table has columns for 'Event', 'Value', 'Format', and 'Last Received'. The events are listed as 'event_1' with values like '{"Temperature":41,"Humidity":22,"Soil moisture":...}' in 'json' format, received 'a few seconds ago'. At the bottom, there is a status bar indicating '1 Simulation running'.

Event	Value	Format	Last Received
event_1	{"Temperature":41,"Humidity":22,"Soil moisture":...}	json	a few seconds ago
event_1	{"Temperature":38,"Humidity":71,"Soil moisture":...}	json	a few seconds ago
event_1	{"Temperature":62,"Humidity":98,"Soil moisture":...}	json	a few seconds ago
event_1	{"Temperature":25,"Humidity":27,"Soil moisture":...}	json	a few seconds ago
event_1	{"Temperature":30,"Humidity":97,"Soil moisture":...}	json	a few seconds ago

Iyswarya S:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area shows a list of devices. The selected device, 'Iyswarya', is highlighted in blue. Below the device list, the 'Recent Events' tab is active, showing a table of events. The table has columns for 'Event', 'Value', 'Format', and 'Last Received'. The events are listed as 'event_1' with values like '{"Temperature":72,"Humidity":70,"Soil moisture":...}' and a format of 'json'. The 'Last Received' column indicates 'a few seconds ago'. At the bottom, there is a status bar showing 'Items per page 50' and '1 Simulation running'.

Event	Value	Format	Last Received
event_1	{"Temperature":72,"Humidity":70,"Soil moisture":...}	json	a few seconds ago
event_1	{"Temperature":62,"Humidity":97,"Soil moisture":...}	json	a few seconds ago
event_1	{"Temperature":46,"Humidity":39,"Soil moisture":...}	json	a few seconds ago
event_1	{"Temperature":29,"Humidity":59,"Soil moisture":...}	json	a few seconds ago
event_1	{"Temperature":79,"Humidity":33,"Soil moisture":...}	json	a few seconds ago

Pritha R:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area shows a list of devices. The selected device, 'Pritha', is highlighted in blue. Below the device list, the 'Recent Events' tab is active, showing a table of events. The table has columns for 'Event', 'Value', 'Format', and 'Last Received'. The events are listed as 'event_1' with values like '{"Temperature":79,"Humidity":53,"Soil moisture":...}' and a format of 'json'. The 'Last Received' column indicates 'a few seconds ago'. At the bottom, there is a status bar showing 'Items per page 50' and '1 Simulation running'.

Event	Value	Format	Last Received
event_1	{"Temperature":79,"Humidity":53,"Soil moisture":...}	json	a few seconds ago
event_1	{"Temperature":56,"Humidity":98,"Soil moisture":...}	json	a few seconds ago
event_1	{"Temperature":74,"Humidity":52,"Soil moisture":...}	json	a few seconds ago
event_1	{"Temperature":73,"Humidity":45,"Soil moisture":...}	json	a few seconds ago
event_1	{"Temperature":18,"Humidity":64,"Soil moisture":...}	json	a few seconds ago

The event payload containing temperature, humidity and soil moisture values

Revilla Jyosthna:

The screenshot displays the IBM Watson IoT Platform interface. A modal window titled "Event Payload" is open, showing details for an event named "event_1" received on Nov 9, 2022 at 11:27 PM. The payload is a JSON object with three fields: "Temperature": 69, "Humidity": 52, and "Soilmoisture": 10. The background shows a list of events for device 93456.

Event	Value
event_1	{\"Temperature\": 69,
event_1	{\"Temperature\": 69,
event_1	{\"Temperature\": 69,
event_1	{\"Temperature\": 69,
event_1	{\"Temperature\": 69,

```
1 {
2   \"Temperature\": 69,
3   \"Humidity\": 52,
4   \"Soilmoisture\": 10
5 }
```

Pannave K:

The screenshot displays the IBM Watson IoT Platform interface. A modal window titled "Event Payload" is open, showing details for an event named "event_1" received on Nov 9, 2022 at 9:52 PM. The payload is a JSON object with three fields: "Temperature": 27, "Humidity": 33, and "Soil moisture": 76. The background shows a list of events for device 93456. At the bottom, it indicates "1 Simulation running".

Event	Value
event_1	{\"T
event_1	{\"T
event_1	{\"T
event_1	{\"T
event_1	{\"T

```
1 {
2   \"Temperature\": 27,
3   \"Humidity\": 33,
4   \"Soil moisture\": 76
5 }
```

1 Simulation running

Iyswarya S:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. The user is logged in as '2019ec0357@svce.ac.in' with ID 'npagg9r'. A modal window titled 'Event Payload' is open, showing details for 'event_1' received on 'Nov 9, 2022 9:52 PM'. The payload is a JSON object:

```
{ "Temperature": 73, "Humidity": 23, "Soil moisture": 88 }
```

. In the background, a table lists recent events for device 26092001, all named 'event_1'. The status at the bottom indicates '1 Simulation running'.

Event	Value
event_1	{ "Temperature": 73, "Humidity": 23, "Soil moisture": 88 }
event_1	{ "Temperature": 73, "Humidity": 23, "Soil moisture": 88 }
event_1	{ "Temperature": 73, "Humidity": 23, "Soil moisture": 88 }
event_1	{ "Temperature": 73, "Humidity": 23, "Soil moisture": 88 }
event_1	{ "Temperature": 73, "Humidity": 23, "Soil moisture": 88 }

Pritha R:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. The user is logged in as '2019ec0543@svce.ac.in' with ID 'mklf2n'. A modal window titled 'Event Payload' is open, showing details for 'event_1' received on 'Nov 9, 2022 9:52 PM'. The payload is a JSON object:

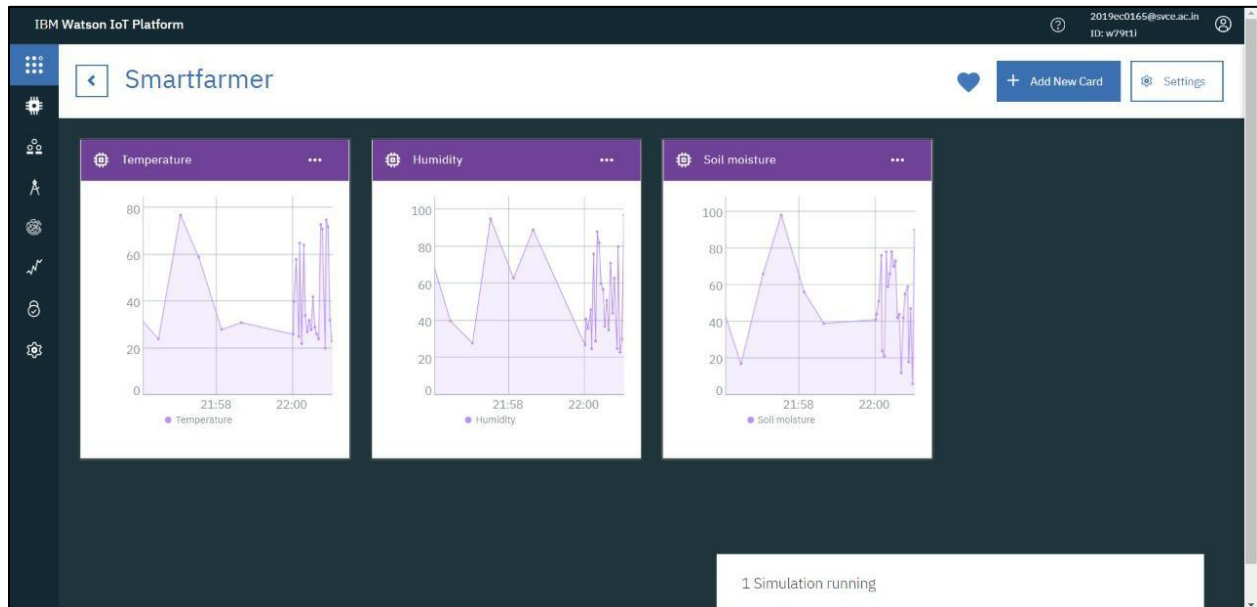
```
{ "Temperature": 52, "Humidity": 35, "Soil moisture": 42 }
```

. In the background, a table lists recent events for device 123456, all named 'event_1'. The status at the bottom indicates '1 Simulation running'.

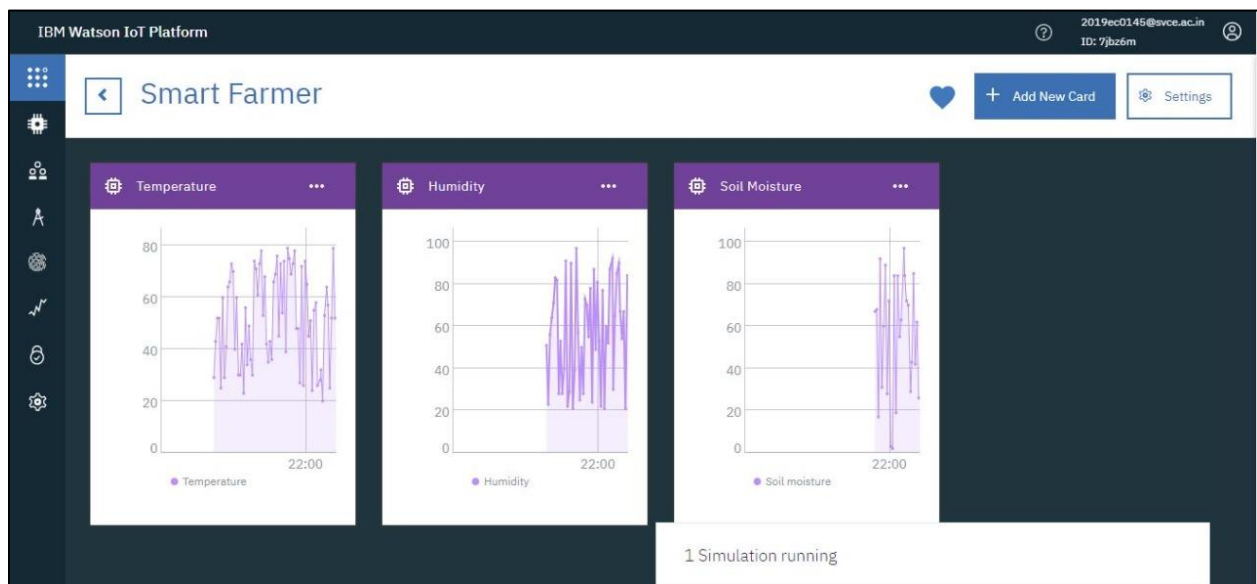
Event	Value
event_1	{ "Temperature": 52, "Humidity": 35, "Soil moisture": 42 }
event_1	{ "Temperature": 52, "Humidity": 35, "Soil moisture": 42 }
event_1	{ "Temperature": 52, "Humidity": 35, "Soil moisture": 42 }
event_1	{ "Temperature": 52, "Humidity": 35, "Soil moisture": 42 }
event_1	{ "Temperature": 52, "Humidity": 35, "Soil moisture": 42 }

Line chart displaying the temperature, humidity, soil moisture values

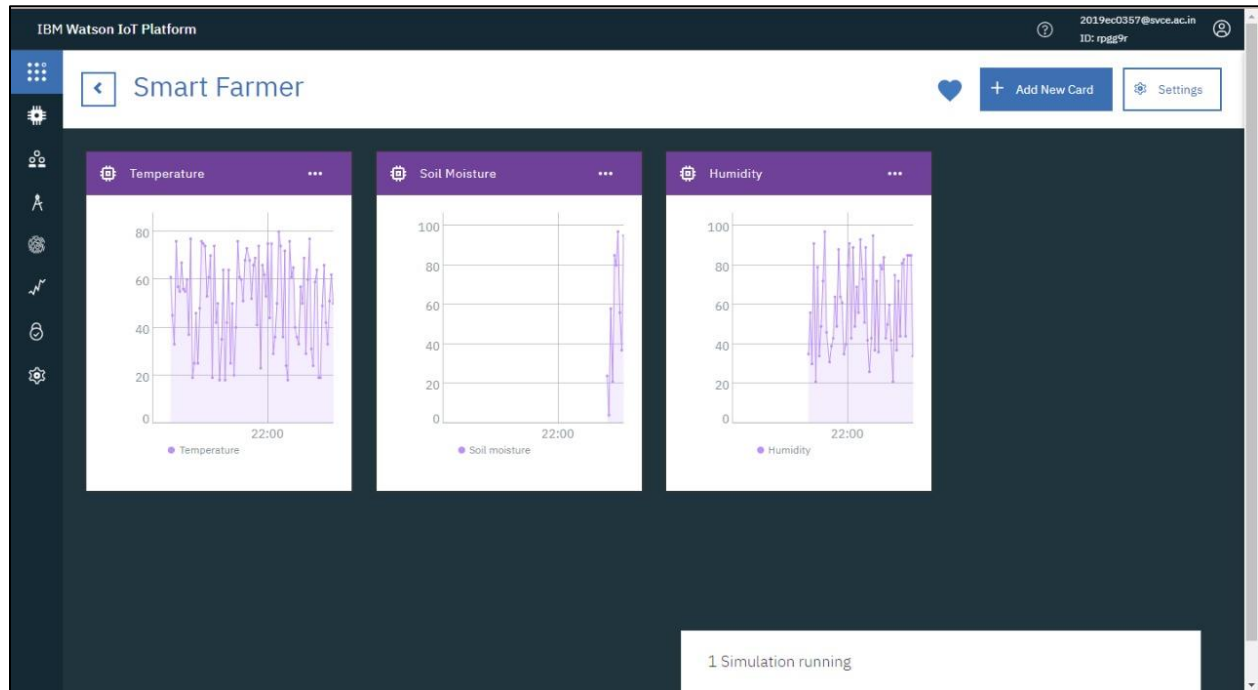
Revilla Jyosthna:



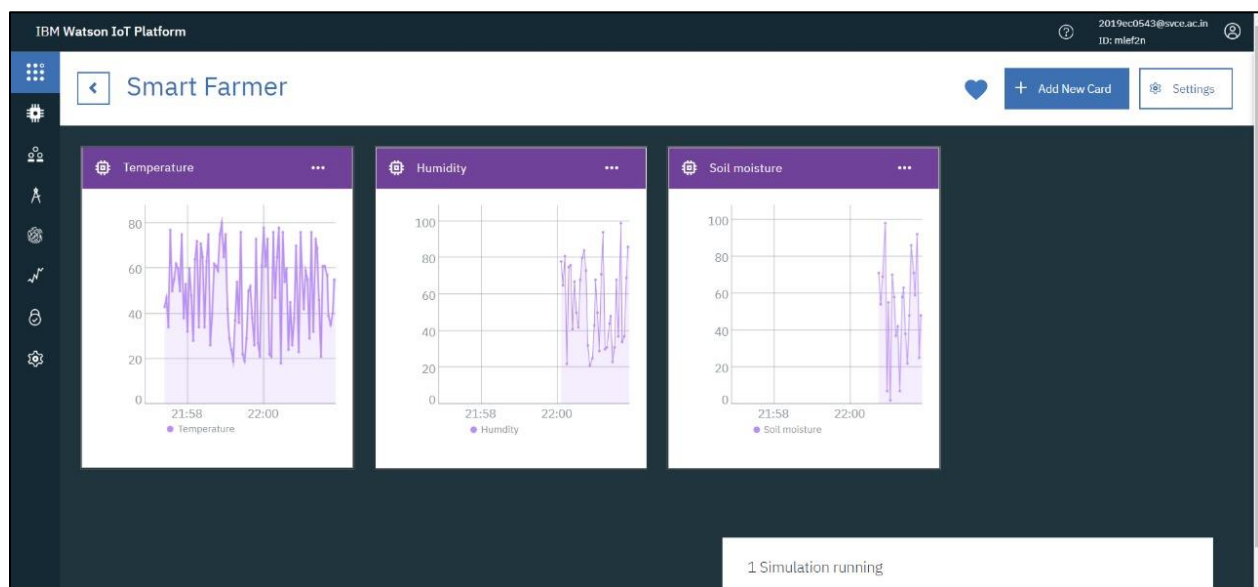
Pannave K:



Iyswarya S:

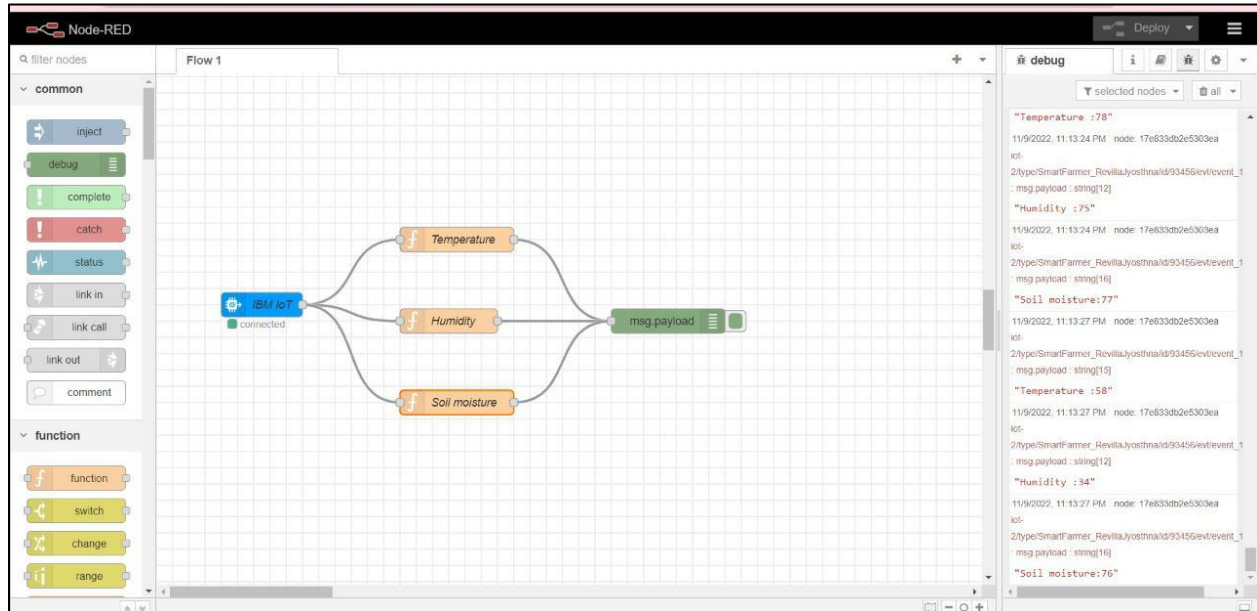


Pritha R:

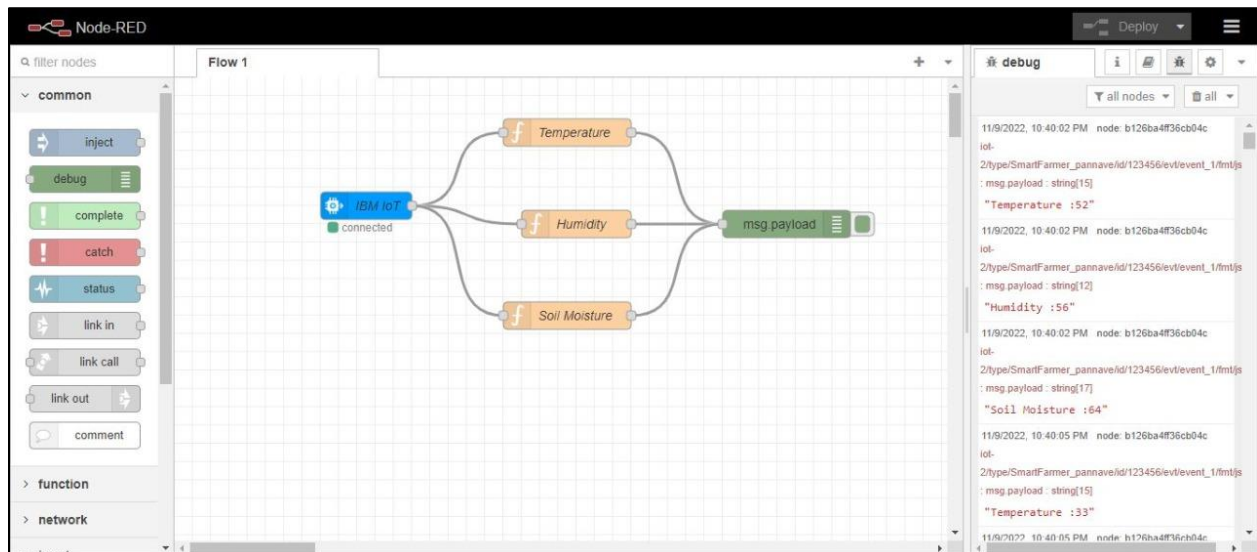


Reflecting the temperature, humidity and soil moisture values in Node-red platform

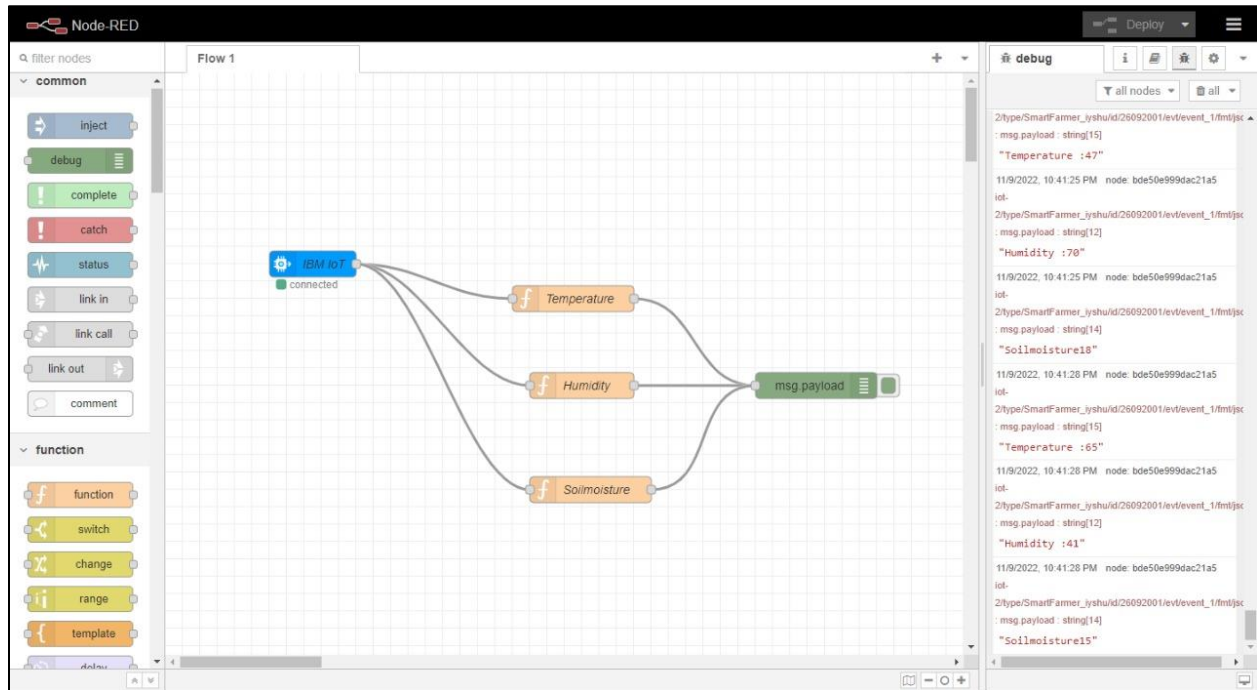
Revilla Jyosthna:



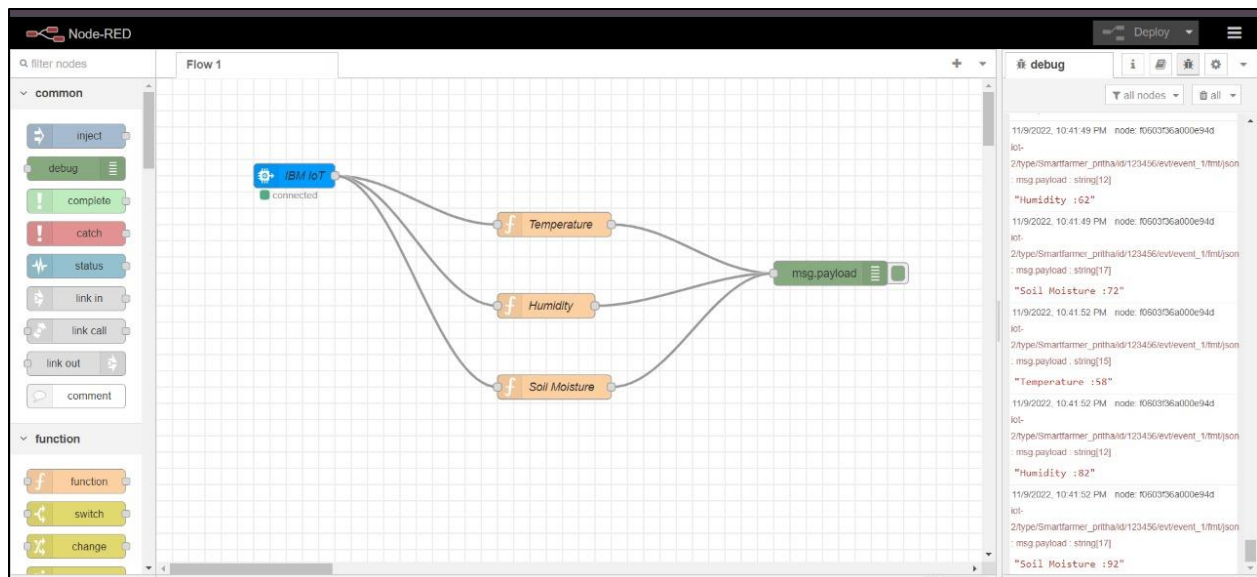
Pannave K:



Iyswarya S:

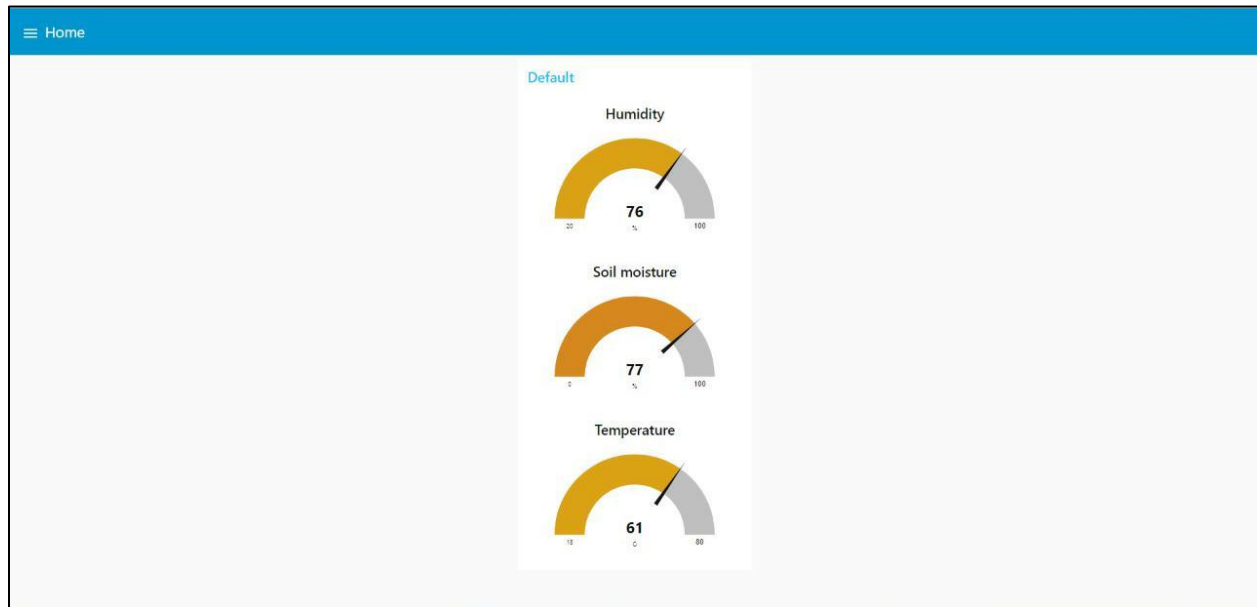


Pritha R:

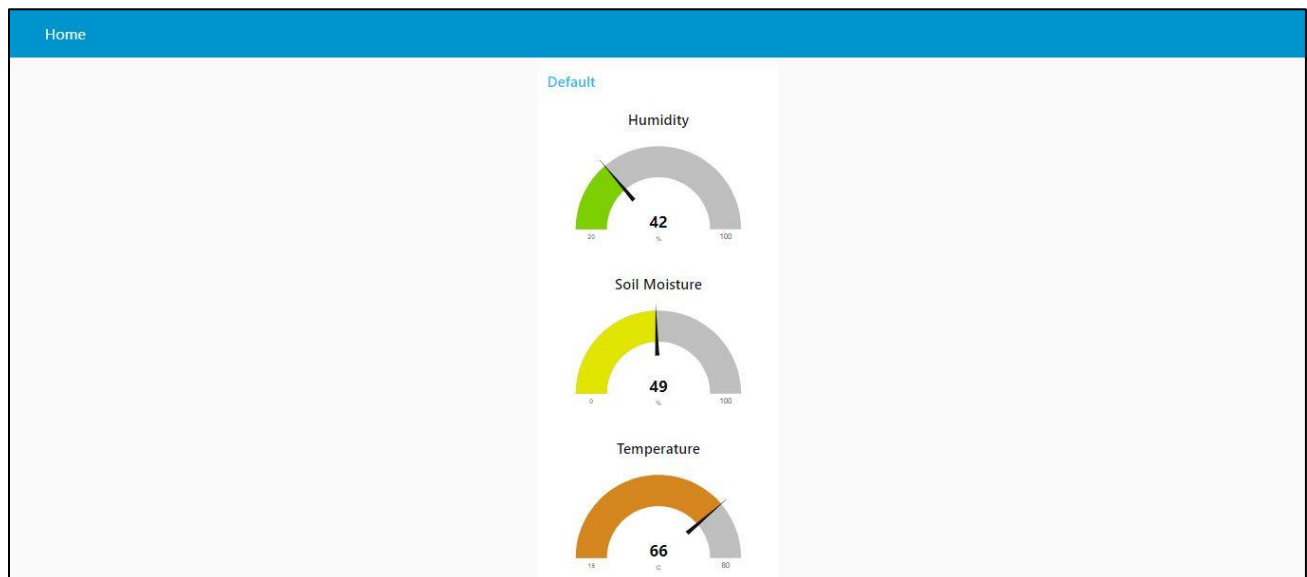


The user interface displaying the payload values in gauge

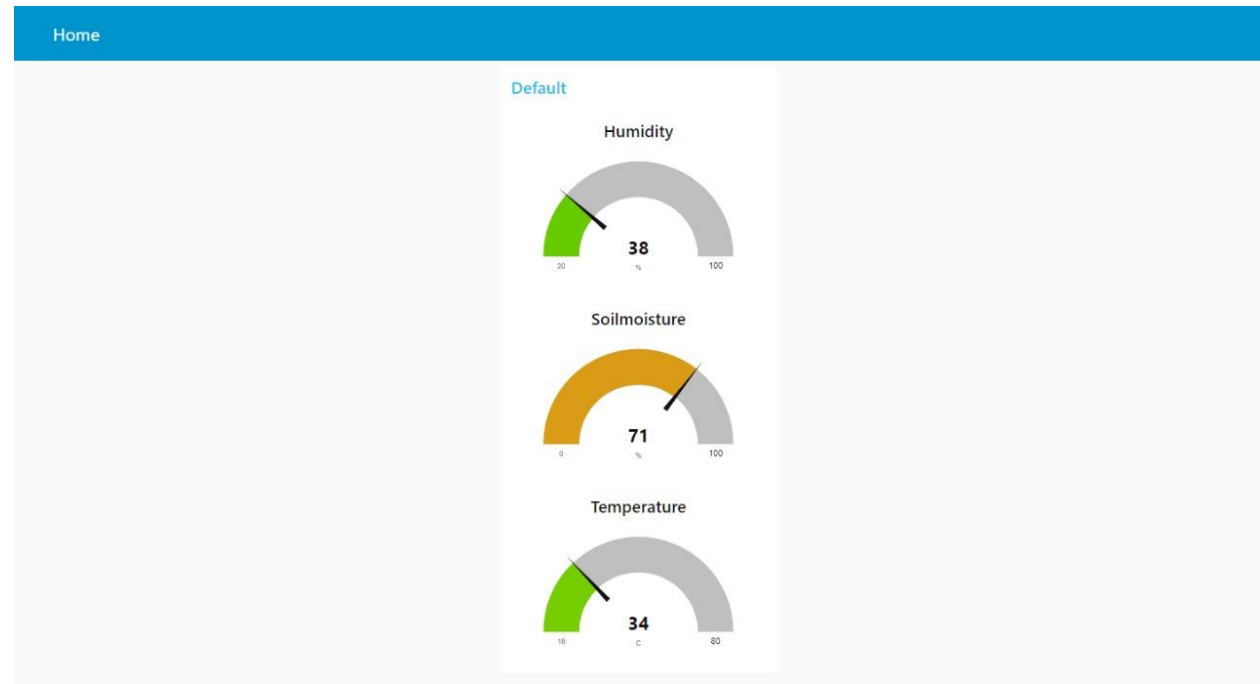
Revilla Jyosthna:



Pannave K:



Iyswarya S:



Pritha R:

