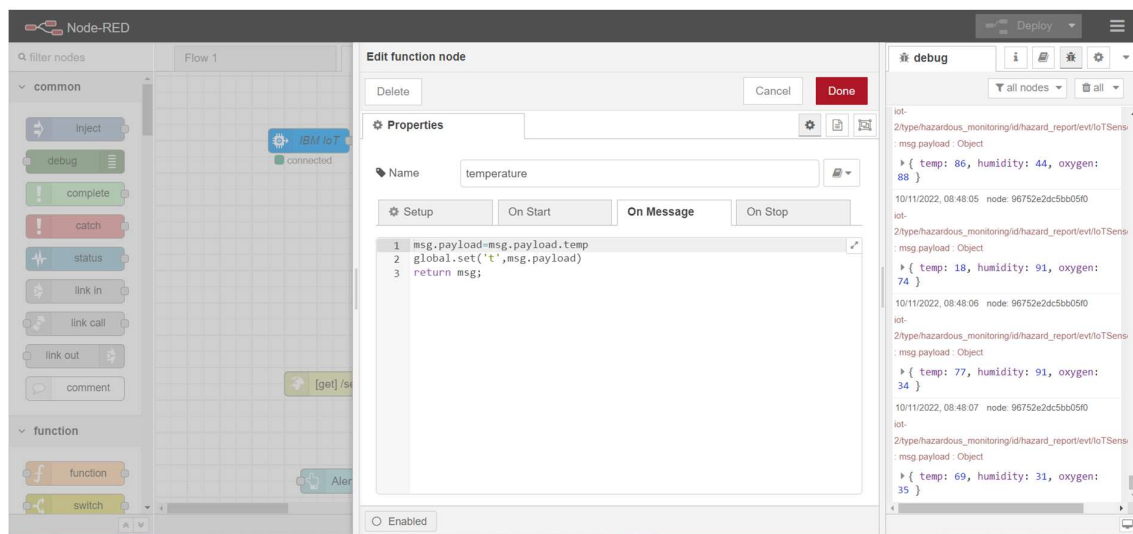
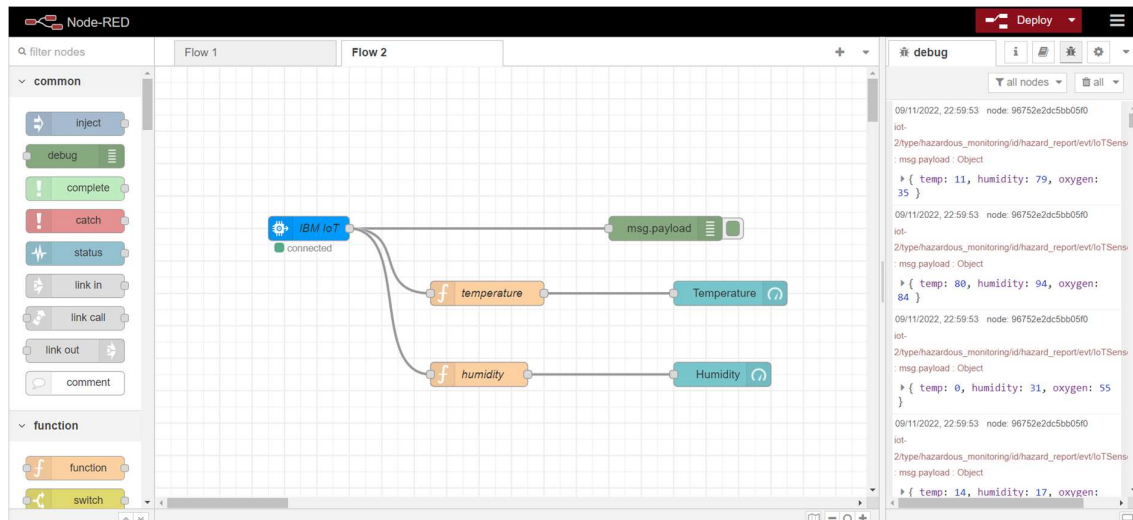


Configure The Application To Receive The Data From Cloud

Team ID	PNT2022TMID01194
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

- Get the Temperature and Humidity value from the url which is created with the help of NodeRed
- To get the data from the webpage, go to a Designer part to drag and drop the WEB component from the Connectivity which is present in the Palette
- As it is a non-visible component it will not display on the UI instead, it will be displayed down to the screen
To get the temperature and humidity values for every time intervals, and to get the recent data, go to Designer to drag and drop the CLOCK from the Sensors which is present in the Palette on to screen1
As it is a non-visible component it will not display on the UI instead, it will be displayed down to the screen.
- Now go to Blocks which is present in the top right corner and design the blocks to display the Temperature and Humidity values
- Open NodeRed flow editor to create an HTTP request to get command from the mobile app to device
- Drag and Place HTTP Input node and HTTP Response in the flow editor and edit the HTTP Input Node by typing “/command” for URL and click Done. So that when the LIGHT ON/LIGHT OFF Button is pressed from the mobile device” /command” URL will be hitted and the command is given to the cloud and the command, in turn, is given to the device to turn on/off the light
- Now scan the QR code using Mobile app and it will display the temperature and humidity value and we can also control light on/light off using mobile app



Node-RED interface showing a function node configuration and debug console.

Edit function node

Properties: Name: httpfunction

On Message:

```
1 msg.payload={"temperature":global.get('t'),'humidity':global.get('h')}
2 return msg;
```

Debug console:

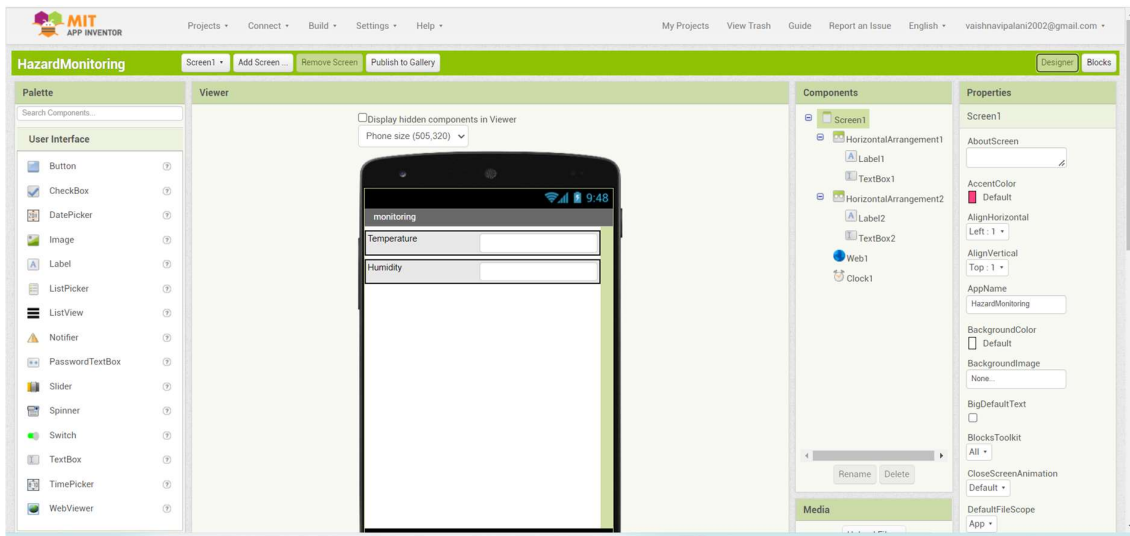
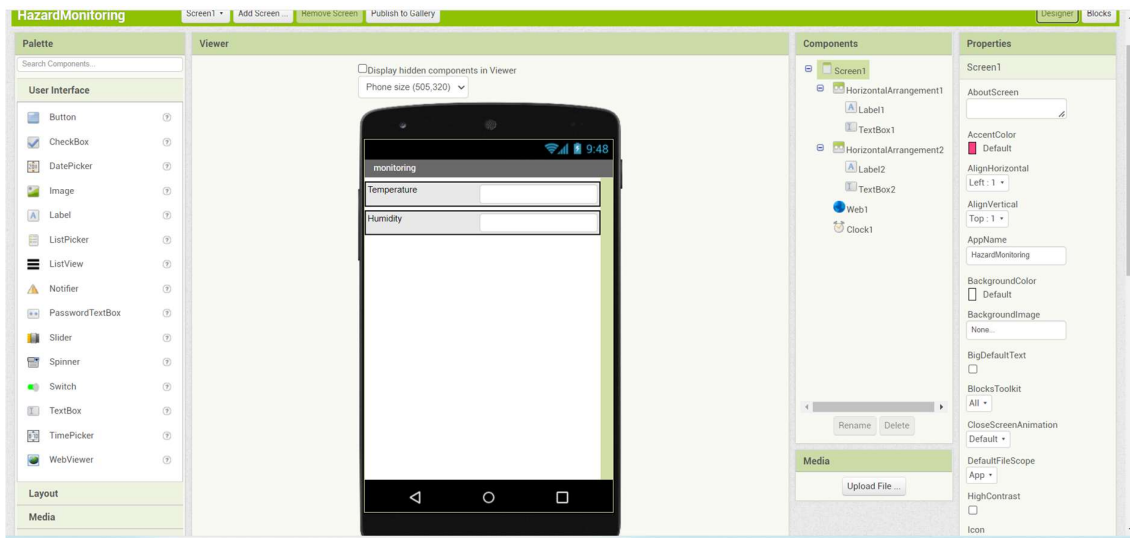
```
10/11/2022, 08:48:19 node:96752e2dc5bb0590
2type: hazardous_monitoring/id/hazard_report/evt/IoTSens
: msg.payload: Object
> { temp: 84, humidity: 46, oxygen: 43 }
10/11/2022, 08:48:20 node:96752e2dc5bb0590
2type: hazardous_monitoring/id/hazard_report/evt/IoTSens
: msg.payload: Object
> { temp: 19, humidity: 28, oxygen: 5 }
10/11/2022, 08:48:21 node:96752e2dc5bb0590
2type: hazardous_monitoring/id/hazard_report/evt/IoTSens
: msg.payload: Object
> { temp: 58, humidity: 25, oxygen: 21 }
10/11/2022, 08:48:21 node:96752e2dc5bb0590
2type: hazardous_monitoring/id/hazard_report/evt/IoTSens
: msg.payload: Object
> { temp: 27, humidity: 27, oxygen: 56 }
```

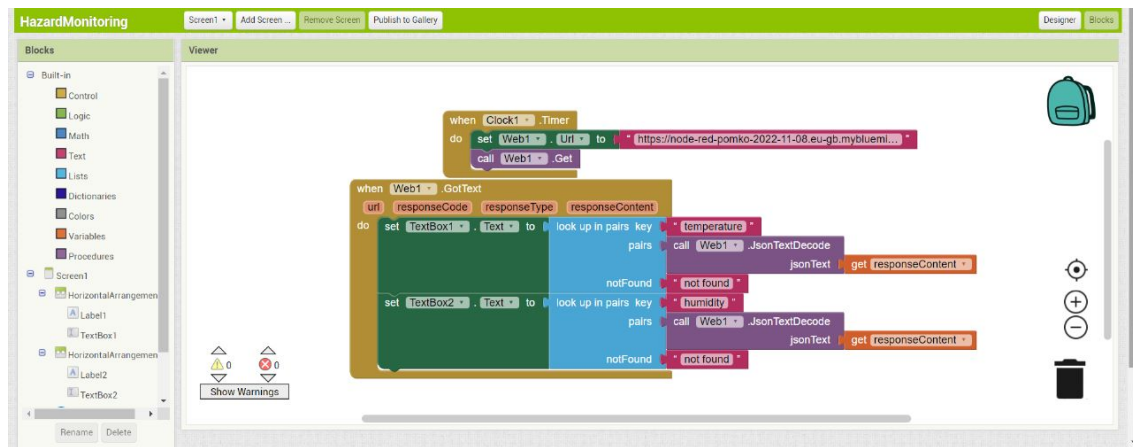
Terminal output:

```
{"temperature":34,"humidity":93}
```

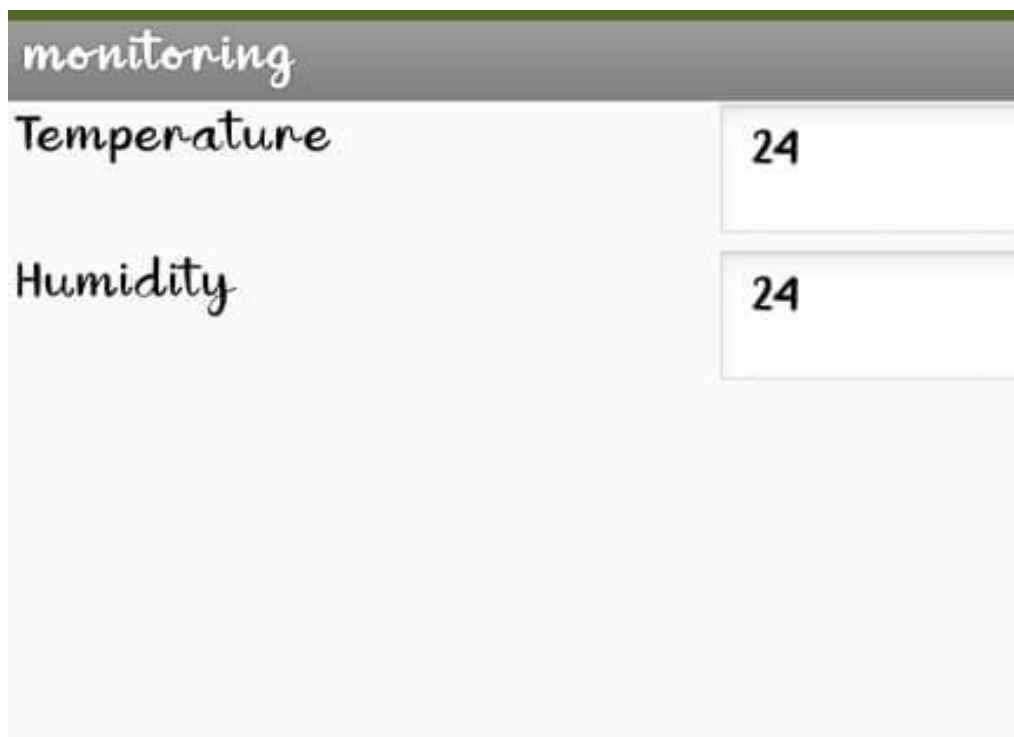
System tray:

27°C | Search | ENG | 08:44





MIT APP INVERTER DISPLAY



Monitoring	
Temperature	88
Humidity	7