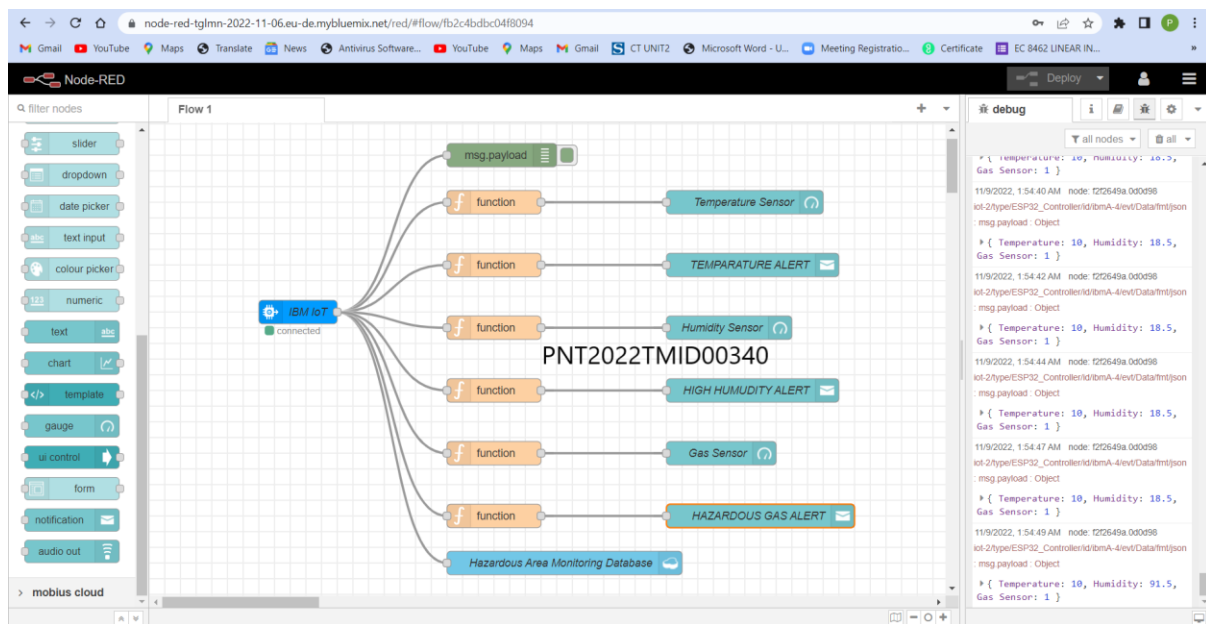


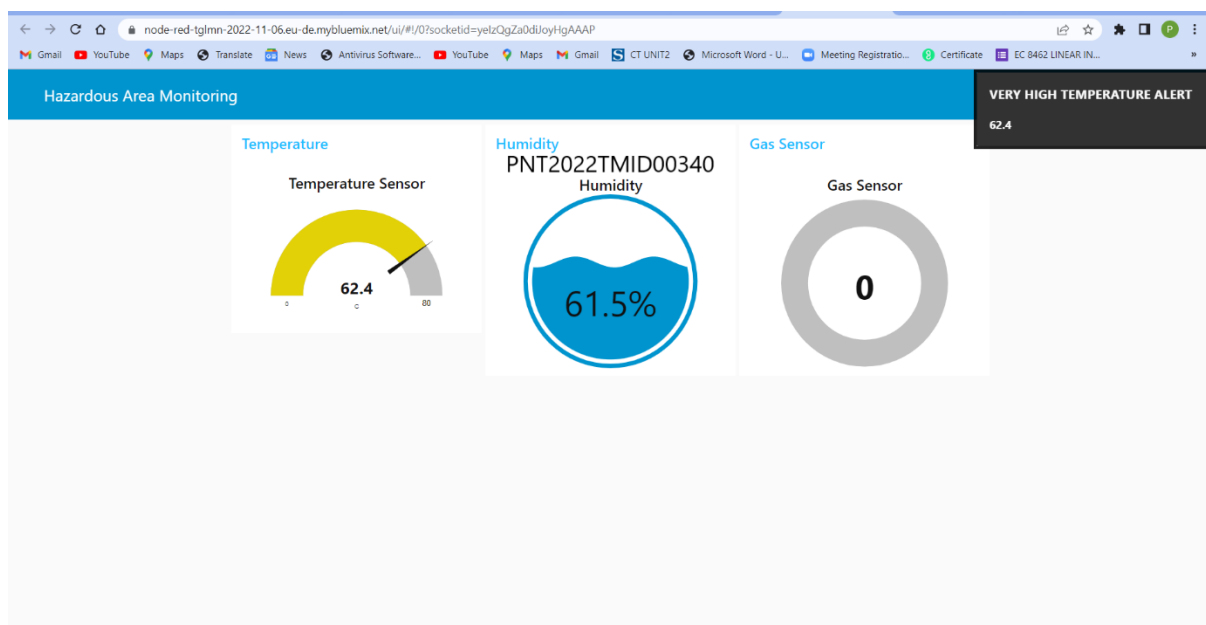
Create a Web Application using Node-RED Service

Team ID	PNT2022TMID00340
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

Design Flow in Node-RED:



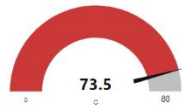
Web Application in Node-RED:



Hazardous Area Monitoring

Temperature

Temperature Sensor



Humidity

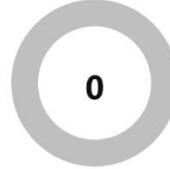
PNT2022TMID00340

Humidity



Gas_Sensor

Gas Sensor



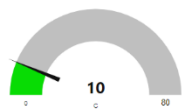
Hazardous Area Monitoring

HIGH HUMUDITY LEVEL

91.5

Temperature

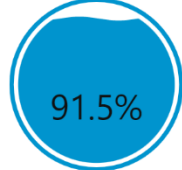
Temperature Sensor



Humidity

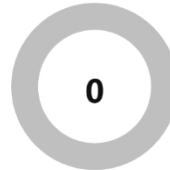
PNT2022TMID00340

Humidity



Gas_Sensor

Gas Sensor



IBM CLOUDANT DB DATA LOG:

The screenshot shows the IBM Cloudant dashboard for a database named 'noderedtglnn202...'. The left sidebar contains navigation links for Monitoring, Databases, Replication, Active Tasks, Account, Support, and Documentation. The main area displays a table of documents. The table has columns for _id, Gas Sensor, Humidity, Temperature, and Alert Distance. The data is filtered to show documents for the device PNT2022TMID00340. The table shows 6 columns and 20 documents per page.

_id	Gas Sensor	Humidity	Temperature	Alert Distance
02a1d7eee6685d5a...	0	85.5	39.5	
0b8dc7f20d54b997...	0	26.5	49.7	
0b8dc7f20d54b997...	0	67.5	37.8	
0b8dc7f20d54b997...	0	67.5	37.8	
0b8dc7f20d54b997...	1	38	-17.4	
1678de9bdae2a42e...	0	84.5	8.1	
1678de9bdae2a42e...	0	33	-23.4	
3247a581d0247096...				27
3247a581d0247096...	0	15.5	-30.2	
3247a581d0247096...	0	67.5	37.8	
3247a581d0247096...	0	48	-29.3	
357bde5408c31ba8...	0	40	24	

IBM WATSON DEVICE EVENT LOG:

The screenshot shows the IBM Watson IoT Platform dashboard for a device named 'ibmA-4'. The left sidebar contains navigation links for Browse, Action, Device Types, and Interfaces. The main area displays the 'Recent Events' tab for the device. The table shows 5 columns: Event, Value, Format, and Last Received. The data is filtered to show events for the device PNT2022TMID00340. The table shows 5 columns and 20 documents per page.

Event	Value	Format	Last Received
Data	{"Temperature":56.5,"Humidity":22.5,"Gas Sens...	json	a few seconds ago
Data	{"Temperature":-16.6,"Humidity":52,"Gas Senso...	json	a few seconds ago
Data	{"Temperature":30.2,"Humidity":52,"Gas Sensor...	json	a few seconds ago
Data	{"Temperature":30.2,"Humidity":55,"Gas Sensor...	json	a few seconds ago
Data	{"Temperature":-8.1,"Humidity":38,"Gas Sensor"...	json	a few seconds ago