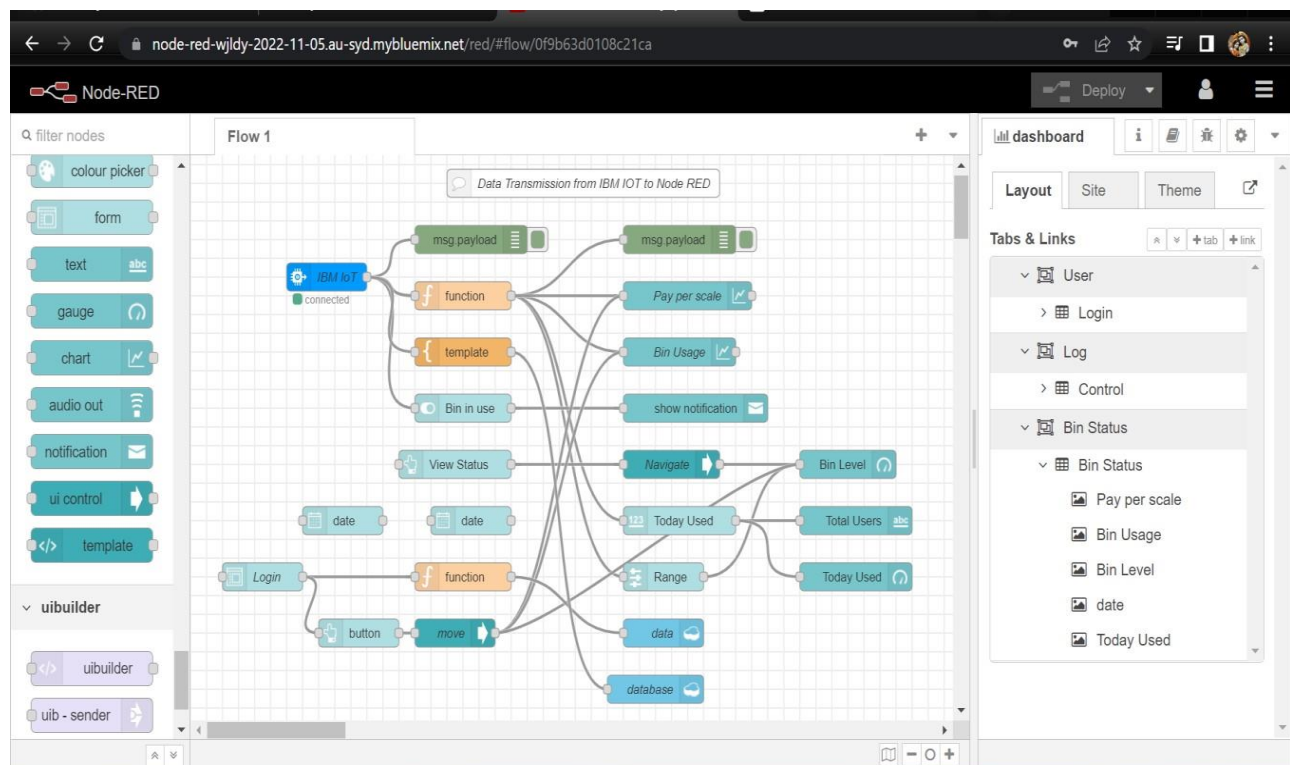


Delivery of Sprint – 4

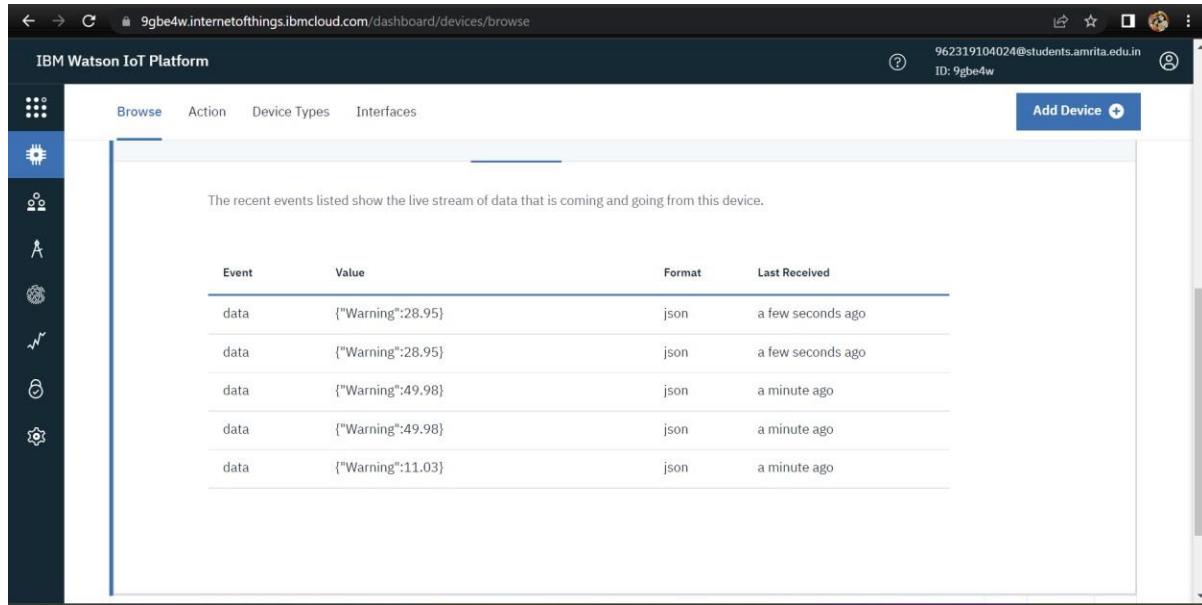
Web UI Design and Deploy

Date	5 November 2022
Team ID	PNT2022TMID12757
Project Name	Smart Waste Management for Metropolitan Cities - IOT

1. Node-RED Connection setup for data transmission from IBM Watson IOT platform to Node-RED dashboard.



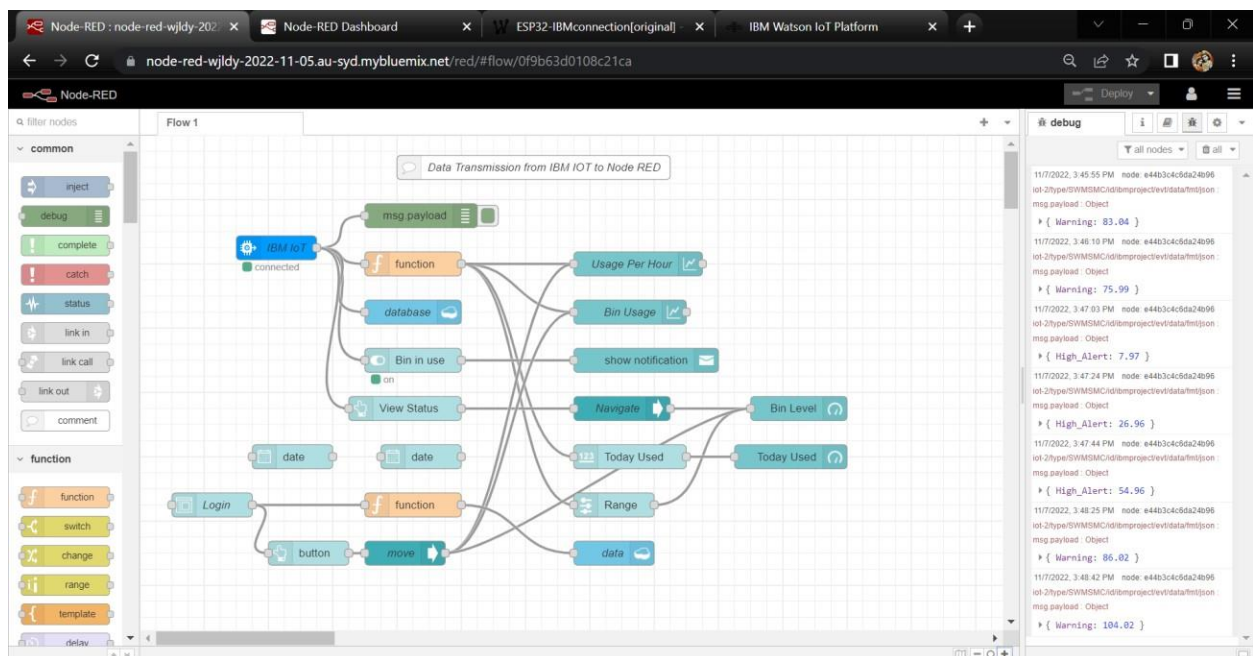
3. Data transfer to Watson IOT platform.



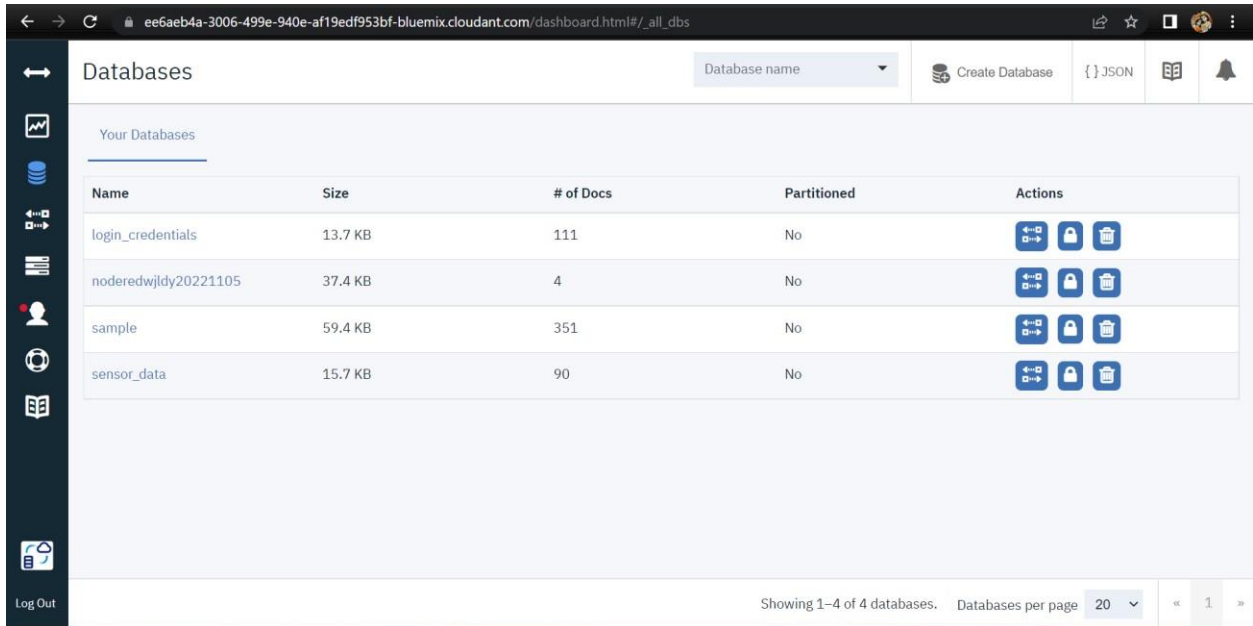
The screenshot shows the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area displays a table of recent events for a device. The table has four columns: 'Event', 'Value', 'Format', and 'Last Received'. The events listed are all 'data' events with JSON values containing a 'Warning' field. The values are: {'Warning':28.95}, {'Warning':28.95}, {'Warning':49.98}, {'Warning':49.98}, and {'Warning':11.03}. The 'Last Received' column shows timestamps like 'a few seconds ago' and 'a minute ago'.

Event	Value	Format	Last Received
data	{\"Warning\":28.95}	json	a few seconds ago
data	{\"Warning\":28.95}	json	a few seconds ago
data	{\"Warning\":49.98}	json	a minute ago
data	{\"Warning\":49.98}	json	a minute ago
data	{\"Warning\":11.03}	json	a minute ago

4. Data transfer from IBM Watson IOT platform and wokwi to Node red.



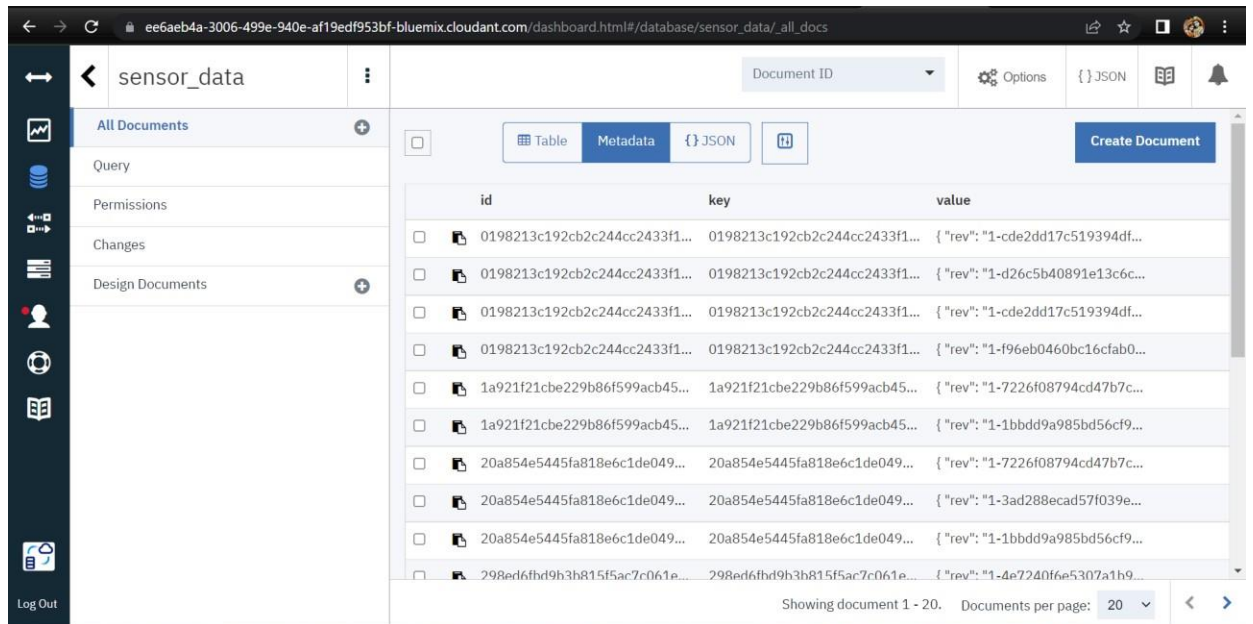
5 . Storing database in IBM cloudant DB.



The screenshot shows the IBM Cloudant Databases dashboard. The URL is `ee6aeb4a-3006-499e-940e-af19edf953bf-bluemix.cloudant.com/dashboard.html#/all_dbs`. The dashboard displays a table of databases:

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	[Icons for view, edit, delete]
noderedwjldy20221105	37.4 KB	4	No	[Icons for view, edit, delete]
sample	59.4 KB	351	No	[Icons for view, edit, delete]
sensor_data	15.7 KB	90	No	[Icons for view, edit, delete]

At the bottom, it says "Showing 1-4 of 4 databases. Databases per page: 20".

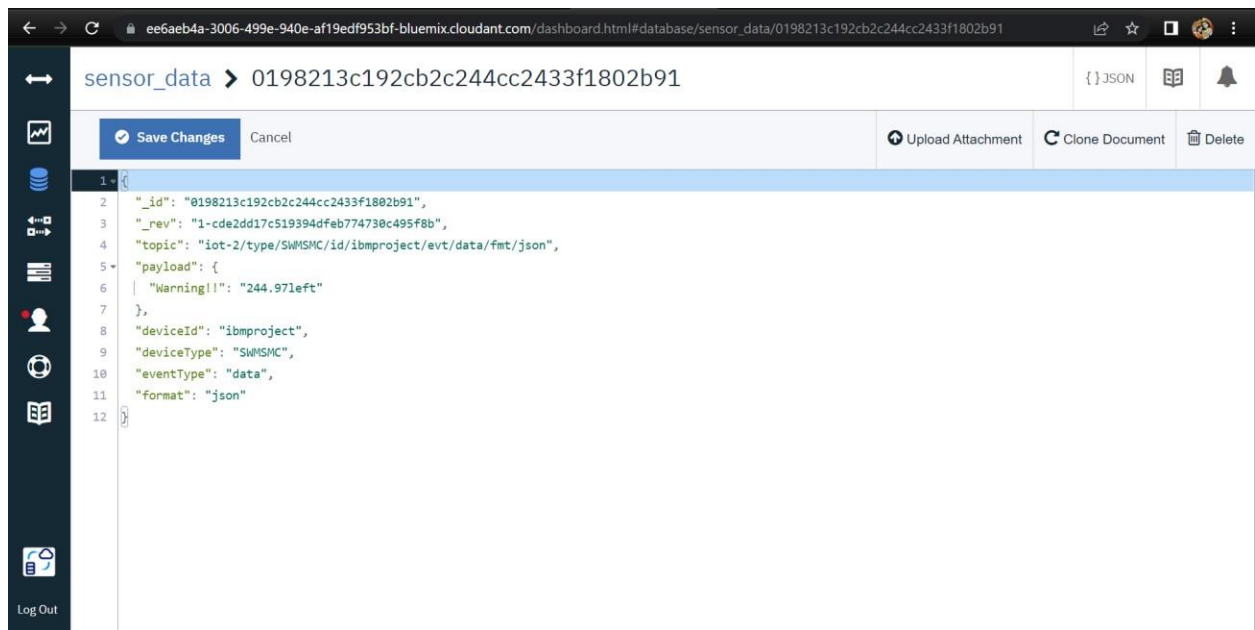


The screenshot shows the document view for the 'sensor_data' database. The URL is `ee6aeb4a-3006-499e-940e-af19edf953bf-bluemix.cloudant.com/dashboard.html#/database/sensor_data/all_docs`. The view displays a table of documents:

id	key	value
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df..." }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-d26c5b40891e13c6c..." }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df..." }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-f96eb0460bc16cfab0..." }
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-7226f08794cd47b7c..." }
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-1bbdd9a985bd56cf9..." }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-7226f08794cd47b7c..." }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-3ad288ecad57f039e..." }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-1bbdd9a985bd56cf9..." }
298ed6fhd9b3b815f5ac7c061e...	298ed6fhd9b3b815f5ac7c061e...	{ "rev": "1-4e7240f6e5307a1b9..." }

At the bottom, it says "Showing document 1 - 20. Documents per page: 20".

6. Data is stored in JSON format



7. Web UI

