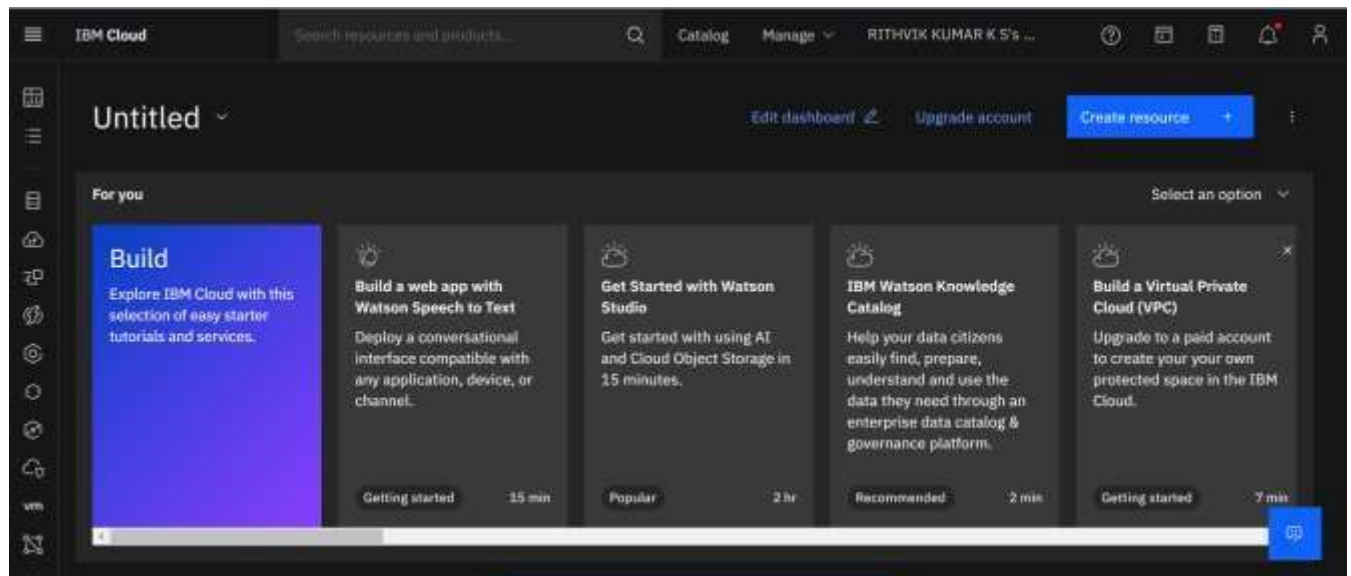


## Project Development Phase

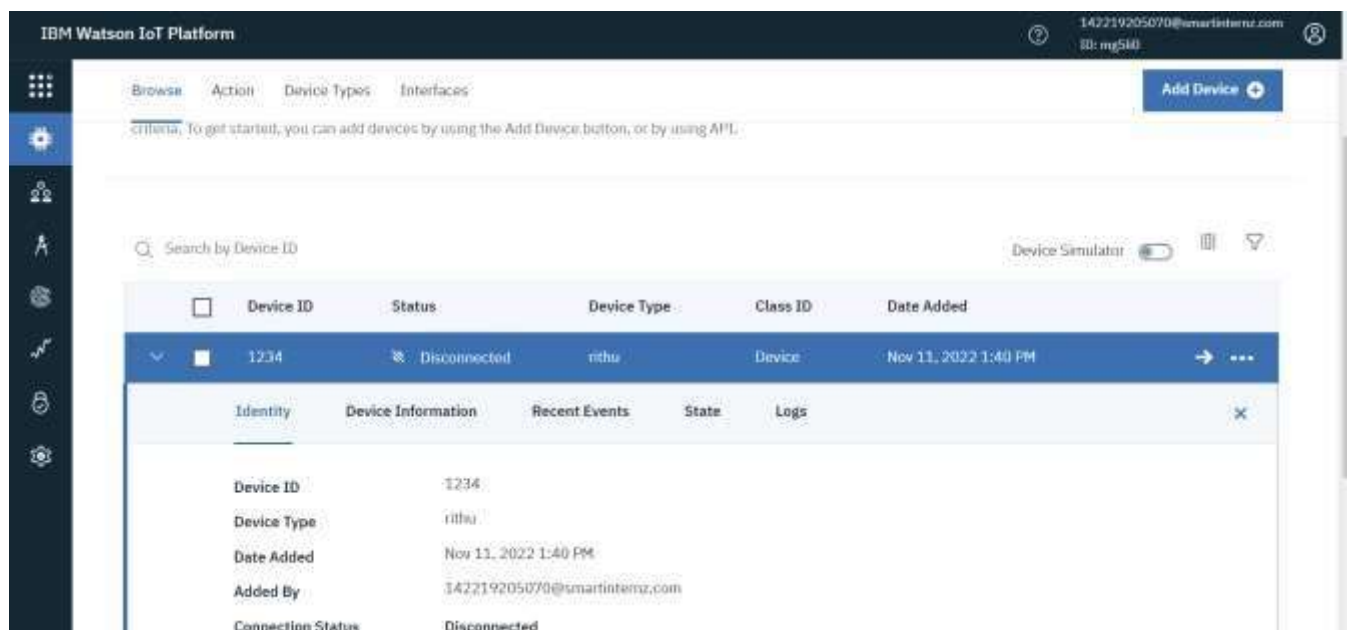
### SPRINT-2

|              |  |
|--------------|--|
| Date         | 17 November 2022   |
| Team ID      | PNT2022TMID21935   |
| Project Name | IoT Based Safety Gadget for Child Safety Monitoring and Notification |

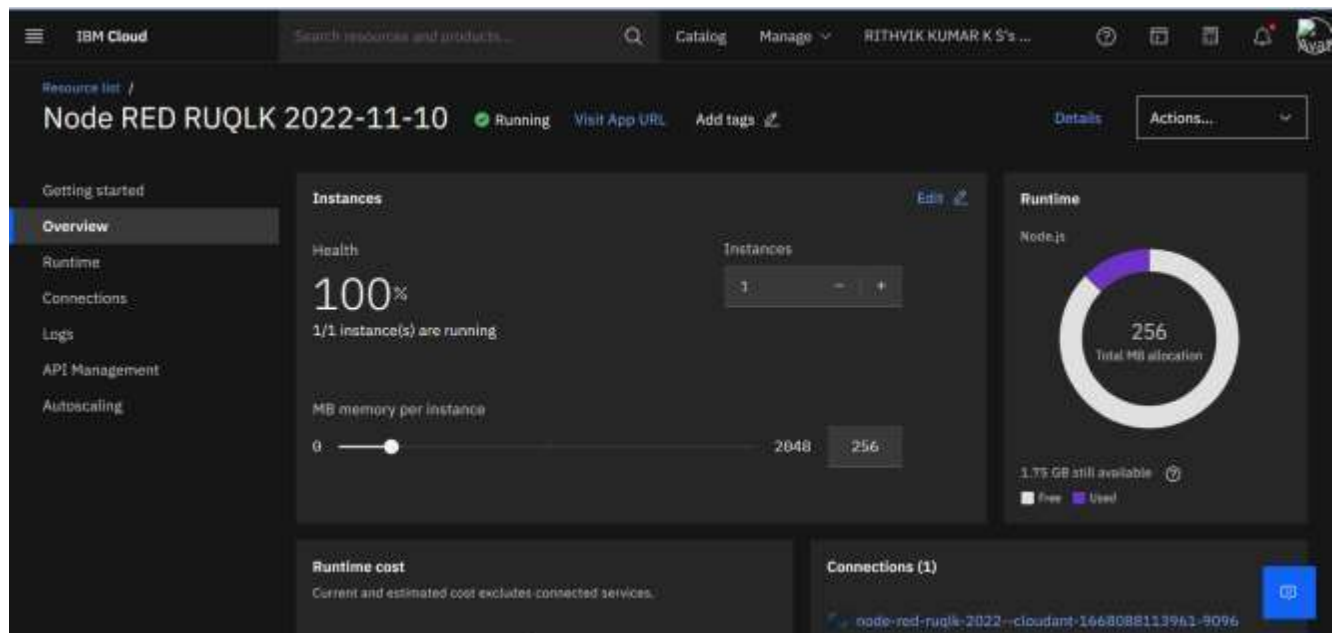
#### 1. DASHBOARD



#### 2. IBM IoT WATSON PLATFORM



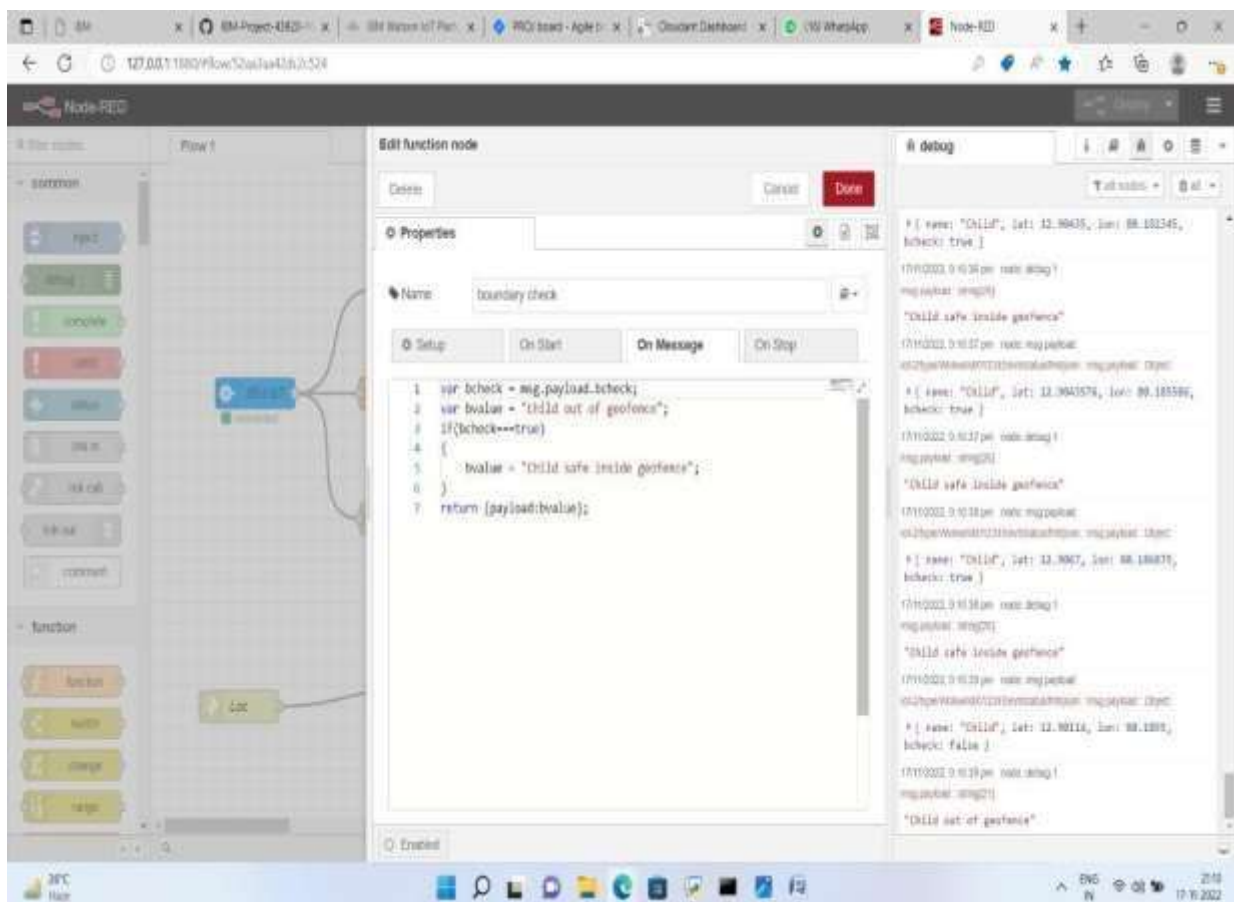
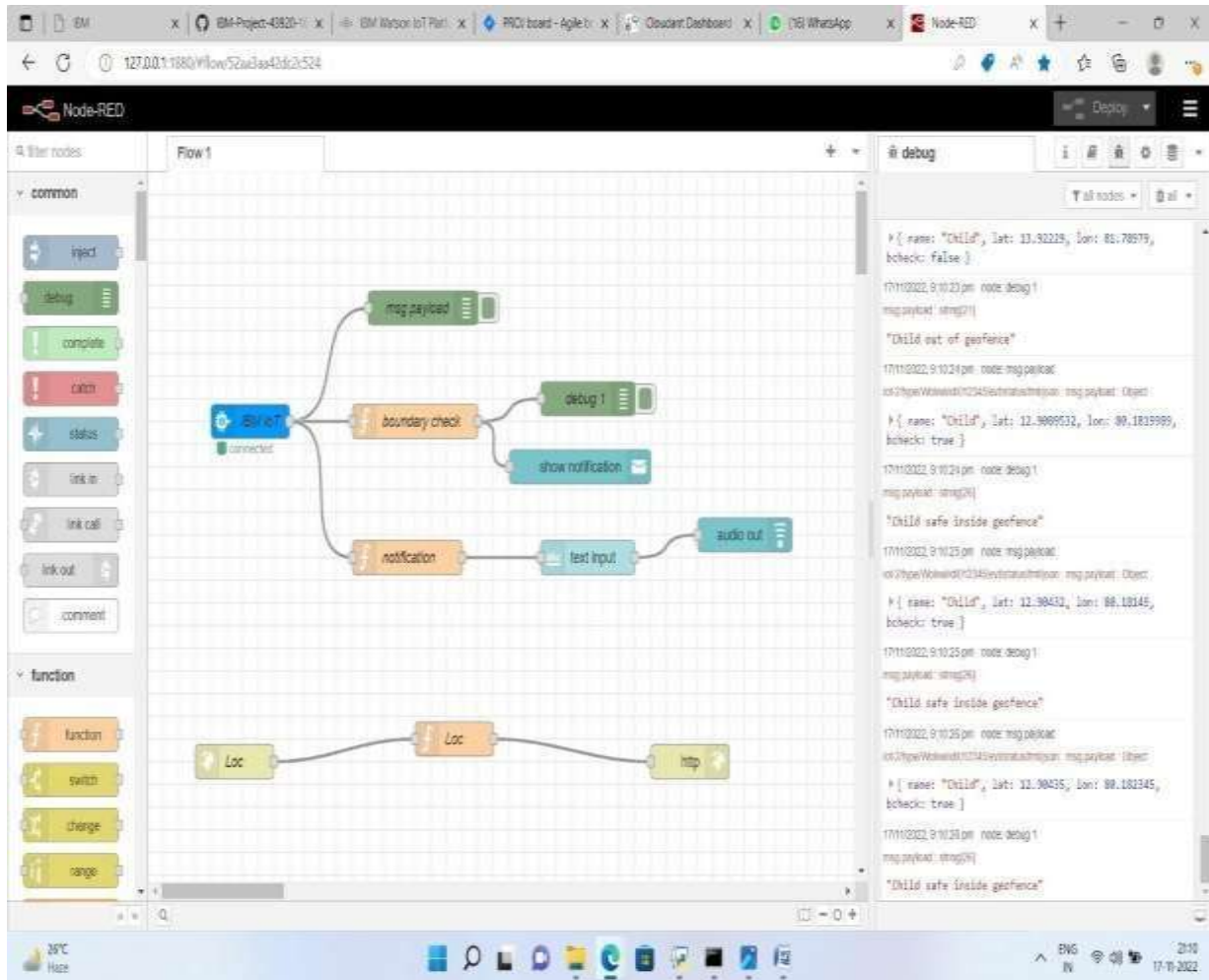
### 3. NODE RED



The screenshot shows the "Connections" tab for the resource "node-red-ruqlk-2022--cloudant-1668088113961-9096". The left sidebar shows "Connections" (selected) and "Service credentials". The main content area has a search bar and a "Create connection" button. Below is a table of connections:

| Name                      | Group                                    | Route   | Status  |
|---------------------------|--|---|---------|
| Node RED RUQLK 2022-11-10 | SRM Valluammar Engineering College / IBM | node-red-ruqlk-2022-11-10.eu-gb.mybluemix.net | Started |

## 4. NODE RED CREATION



Node-RED interface showing a flow editor and a function node configuration.

**Flow Editor:** The flow consists of a **mqtt** node connected to a **function** node, which is then connected to a **log** node.

**Function Node Configuration:**

- Name:** notification
- Setup:** On Start, On Message, On Stop
- Code:**

```
1 var bcheck = msg.payload.bcheck;
2 var bvalue = " ";
3 if (bcheck === false) {
4   bvalue = "child not safe";
5 }
6 return { payload: bvalue };
```

**Debug Console:** The console shows the output of the function node, displaying the value of `bvalue` for each message received. The output is: `{ name: "Child", lat: 12.966512, lon: 86.181995, bcheck: true }`.