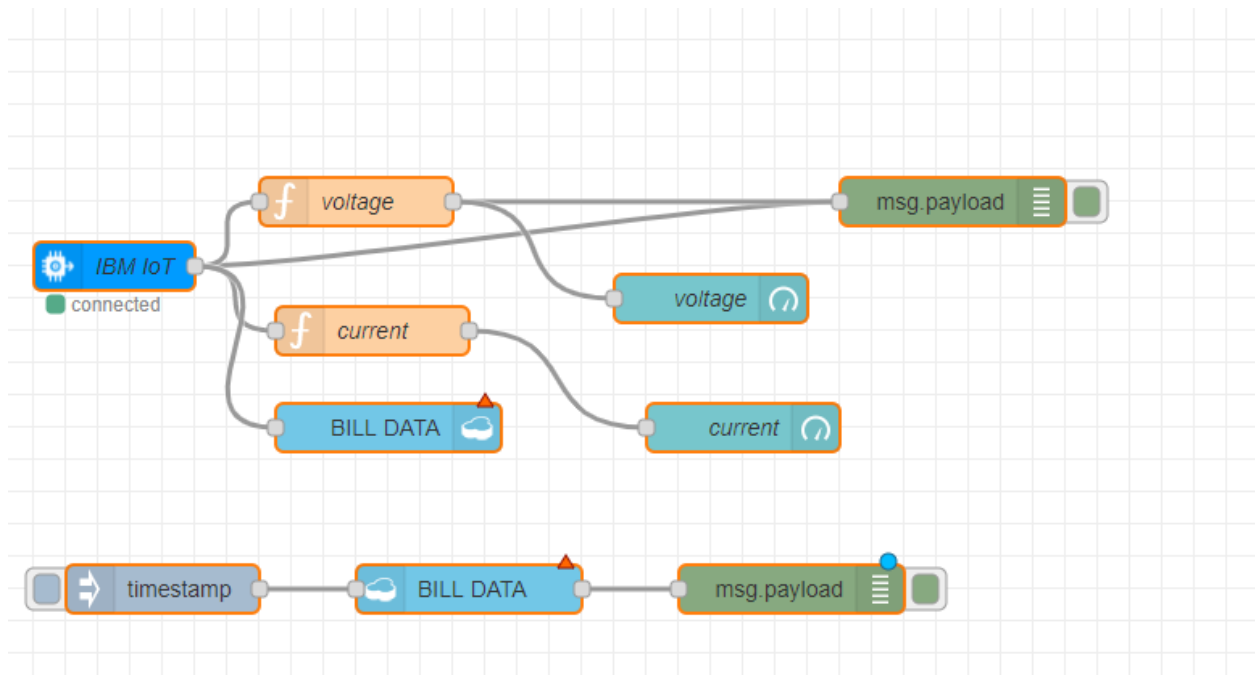


SMART ENERGY METERS USING IBM CLOUD

Features:

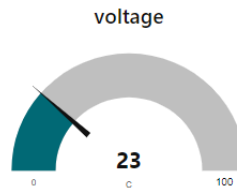
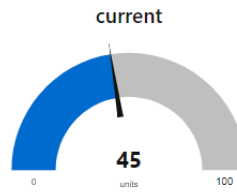
- Measuring the voltage and current consumptions of the house
- calculating the electricity bills for the house and send them the notification.
- Develop a web application using which the persons can see the sensor parameters and the bills
- all the details will be stored in the database

NODE RED



NODE RED UI:

Default



CLOUDANT DATABASE OUTPUT:

bill-data > 002ba95f003bf207e5b6a061208dd115

{ } JSON

Save Changes Cancel Upload Attachment Clone Document Delete

```
1 {
2   "_id": "002ba95f003bf207e5b6a061208dd115",
3   "_rev": "1-607f5e0f4dc4932399a72fafabe62668",
4   "d": {
5     "voltage": 23,
6     "current": 45
7   }
8 }
```

SMS NOTIFICATION TO THE USER:

Voi)
LTE 28% 9:35 pm

< 57575702



Sunday, 20 June 2021



ELECTRICITY BILL:
700/-

1 8:55 pm