Project Development Phase

Delivery of Sprint – 4

Date	8 November 2022
Team ID	PNT2022TMID49797
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

NODE-RED-CLOUDANT DB COMMUNICATION

STEP1:NODE CONNECTION
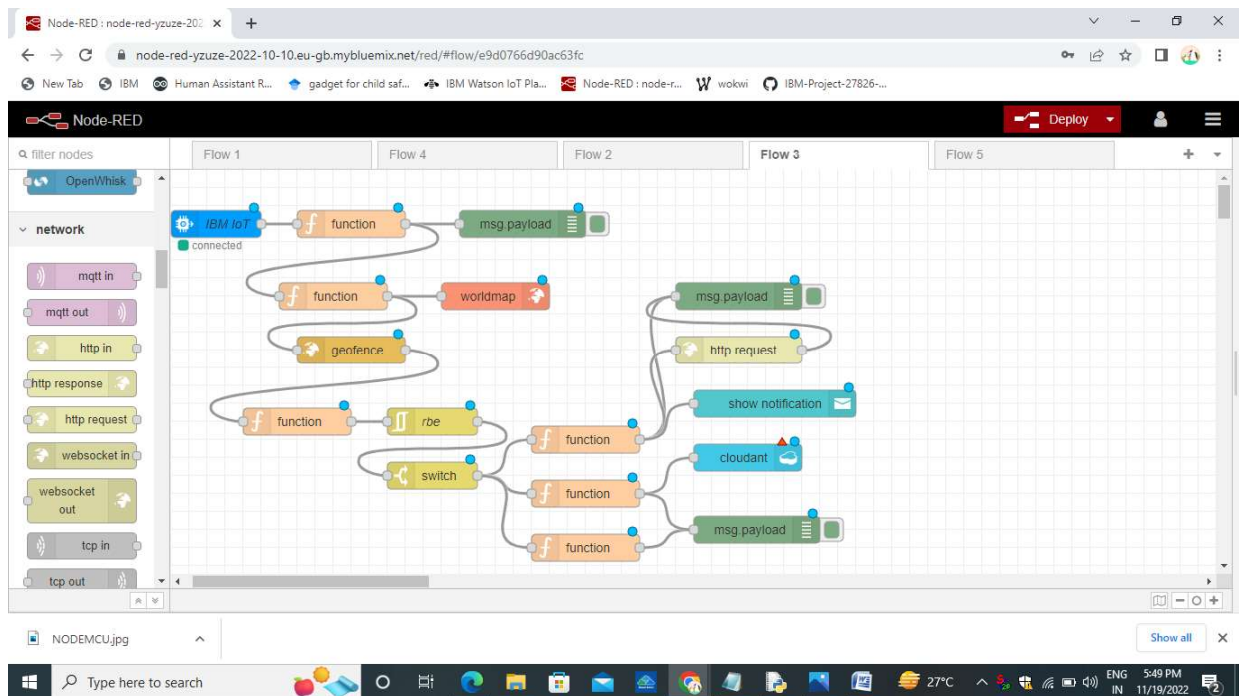
STEP2:CODE THE NODES

STEP3:CODE THE FUNCTION NODE


```
1  var name = msg.payload.name
2  var lat=msg.payload.lat
3  var lon = msg.payload.lon
4  global.set('latitude',lat)
5  global.set('longitude',lon)
6  global.set('name',name)
7  return msg;
```
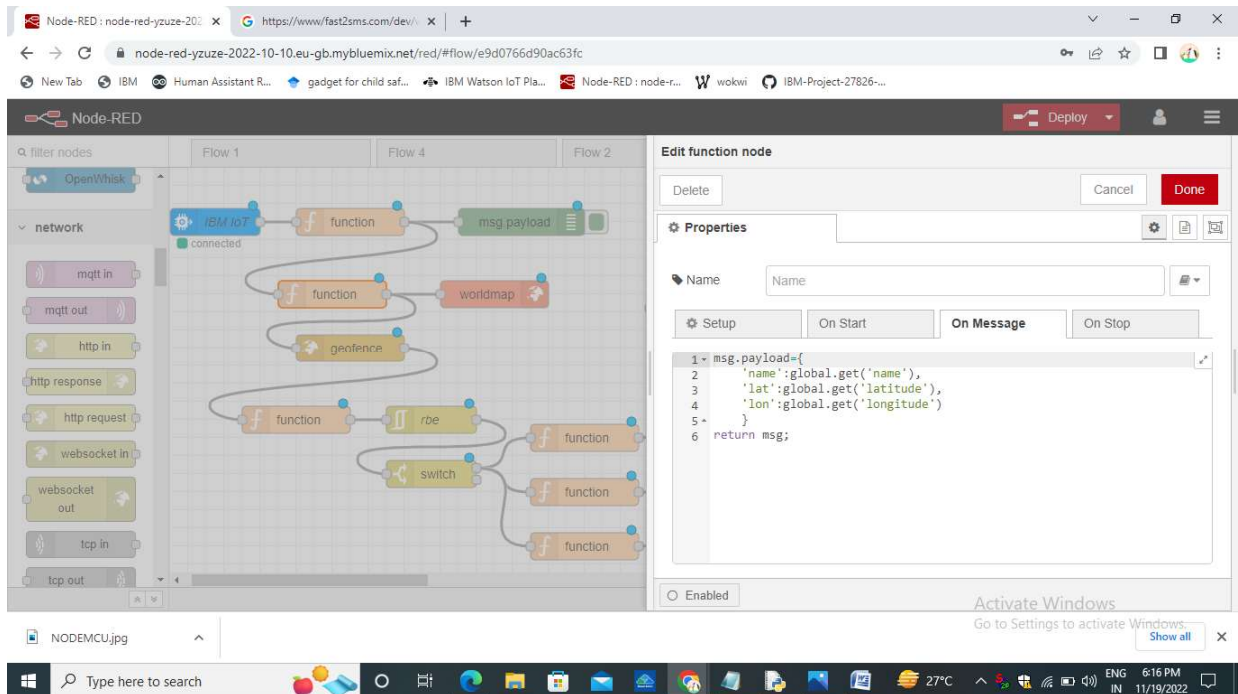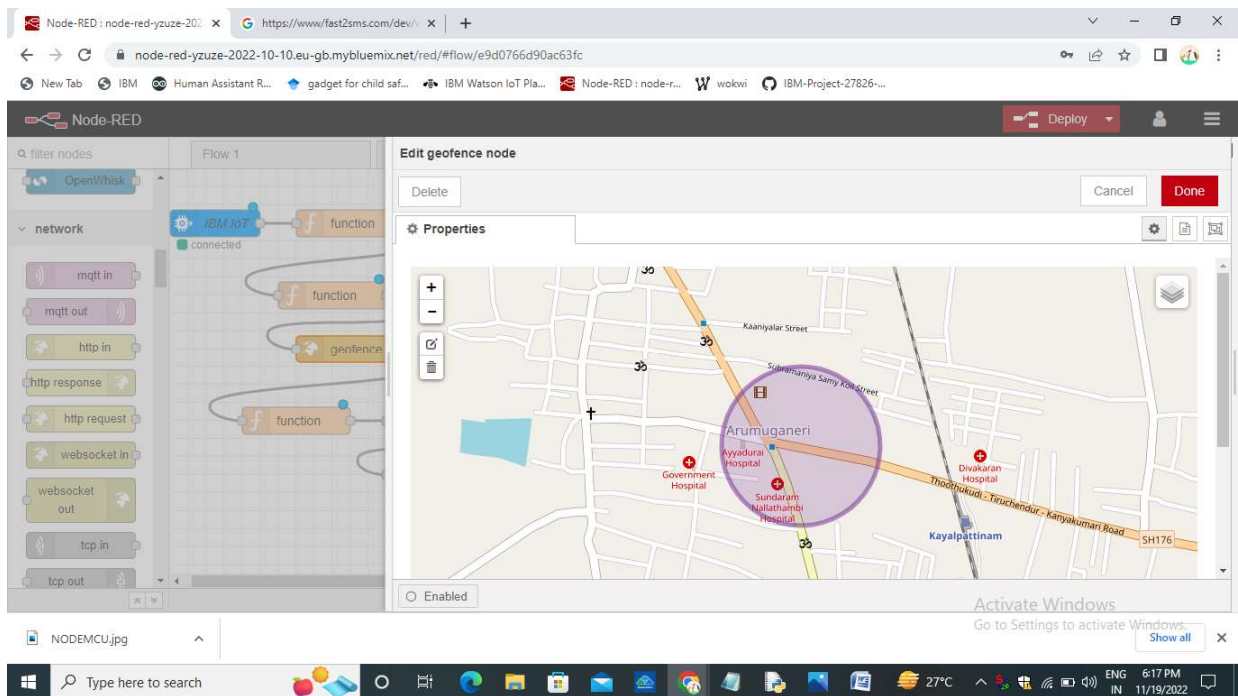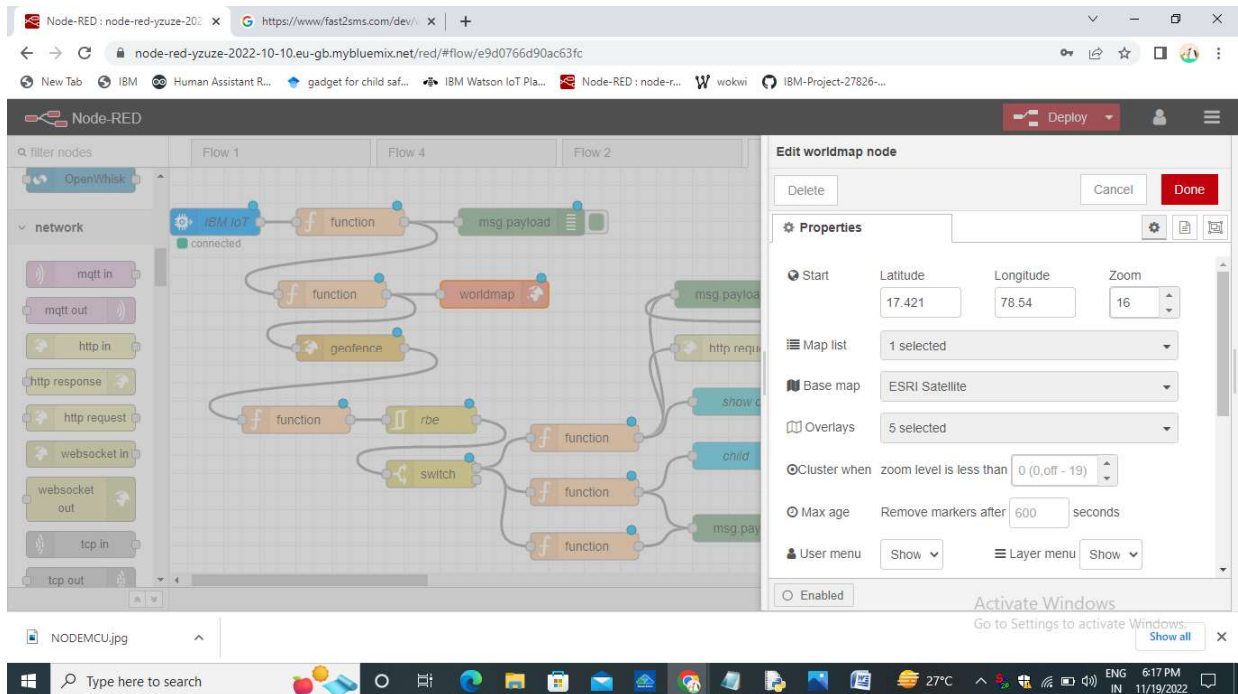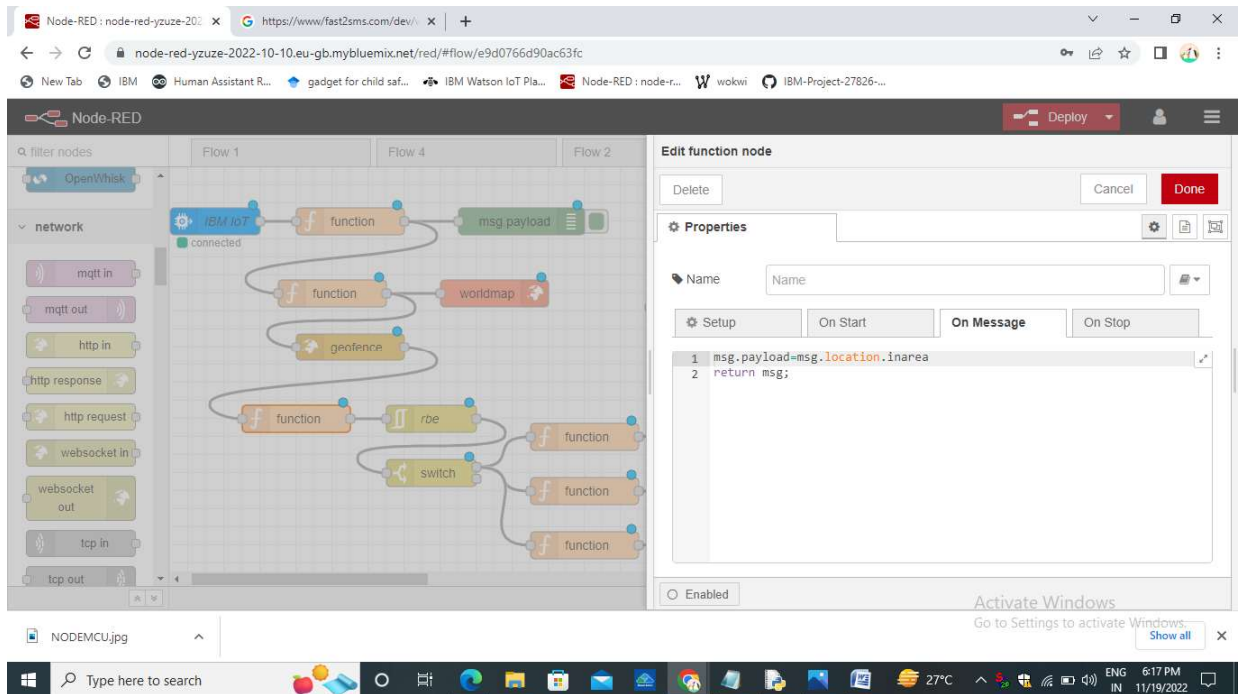
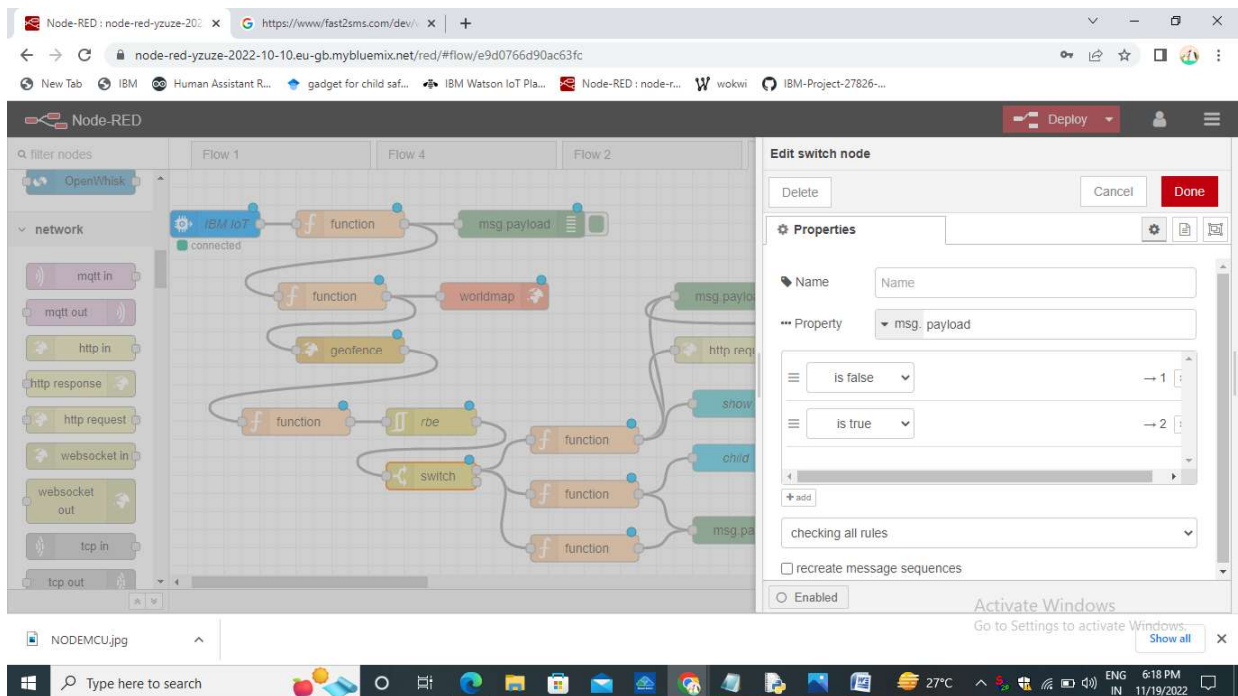**STEP 4: VARIOUS FUNCTION NODES**
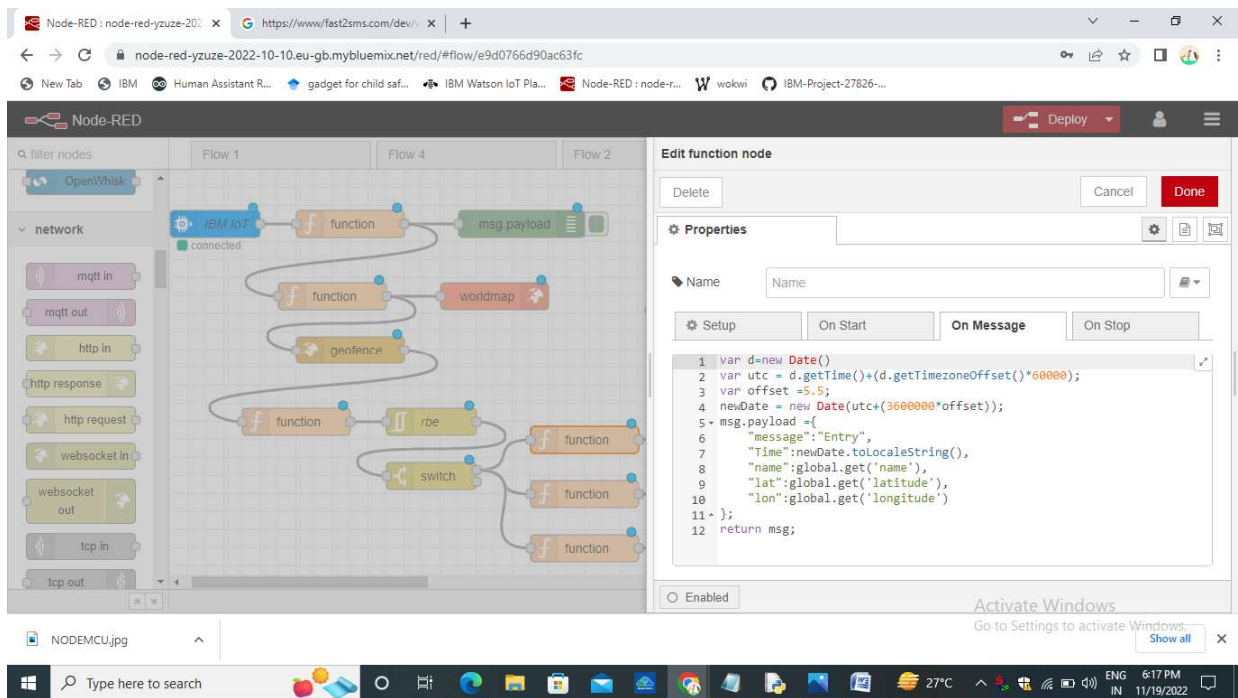
STEP 5:GEOFENCE MODE

STEP 6: WORLD MAP
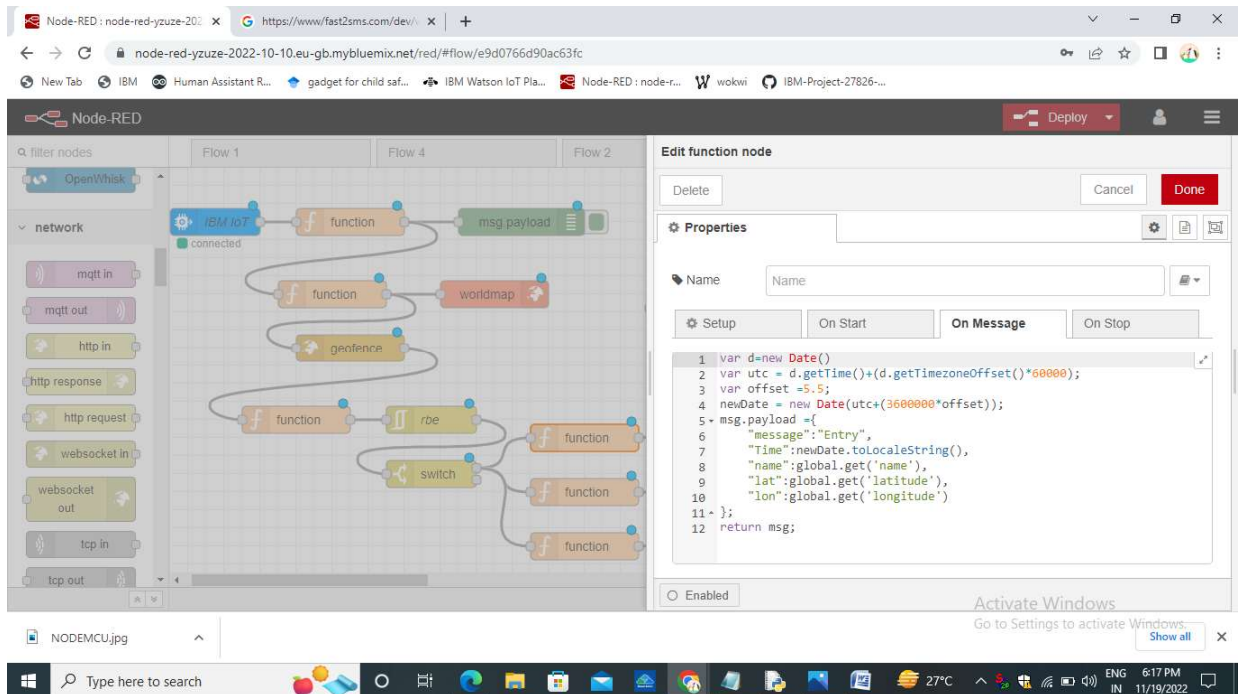
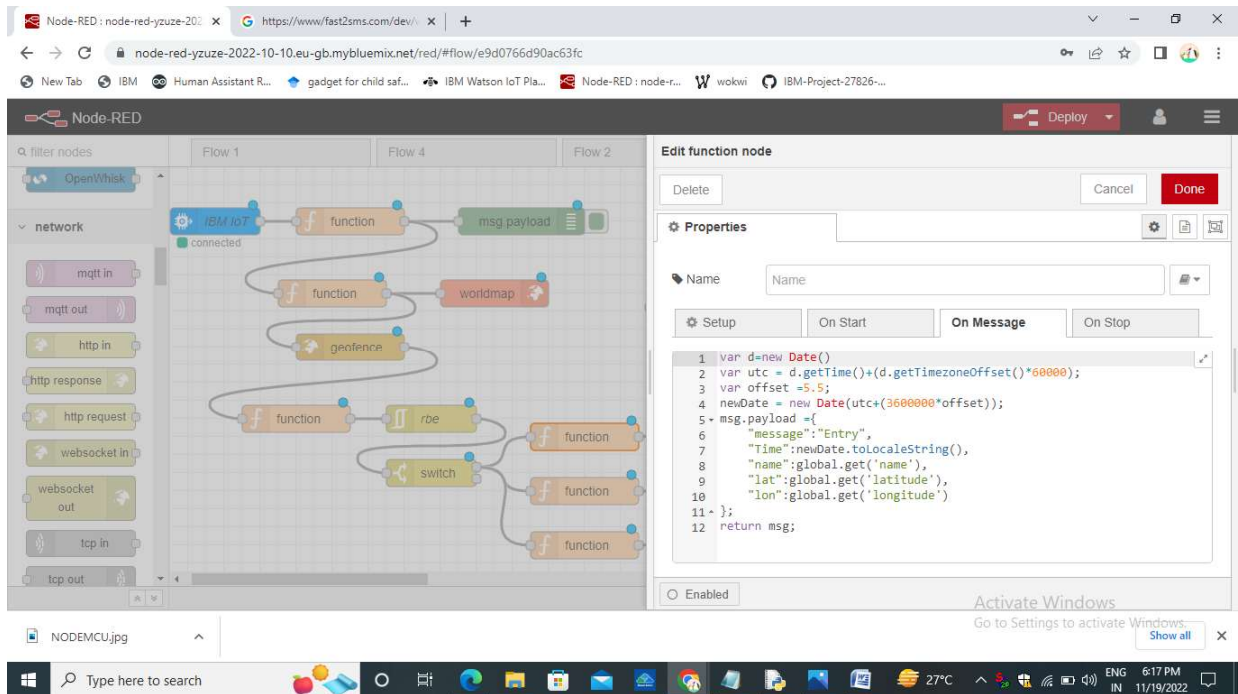**STEP 7: VARIOUS FUNCTION NODE**

STEP 8: DIFFERENT FUNCTION NODES

STEP 9:CODING THE FUNCTION NODES


```
1  var d=new Date()
2  var utc = d.getTime()+(d.getTimezoneOffset()*60000);
3  var offset =5.5;
4  newDate = new Date(utc+(3600000*offset));
5  msg.payload ={
6      "message":"Entry",
7      "Time":newDate.toLocaleString(),
8      "name":global.get('name'),
9      "lat":global.get('latitude'),
10     "lon":global.get('longitude')
11 };
12 return msg;
```

STEP 10:

STEP11:

STEP 12: HTTP REQUEST

STEP 13:NOTIFICATION NODE

STEP 14:CLOUDANT NODE

RESULT:

THUS THE NODE-RED WEB APPLICATION USING GEOFENCE FOR CHILD SAFETY MONITORING WAS CREATED SUCCESSFULLY.