

## GAS LEAKAGE MONITORING ALERTING SYSTEM FOR INDUSTRIES

<b>TITLE</b>	<b>GAS LEAKAGE MONITORING ALERTING SYSTEM FOR INDUSTRIES</b>
<b>DOMAIN NAME</b>	<b>INTERNET OF THINGS</b>
<b>TEAM ID</b>	<b>PNT2022TMID05333</b>
<b>TEAM MEMBERS</b>	<b>K.SINDHU</b> <b>S.SINDHU</b> <b>N.SIVASELVI</b> <b>K.SOWMIYAH</b>

## BUILD A WEB-BASED APPLICATION USING NODE-RED

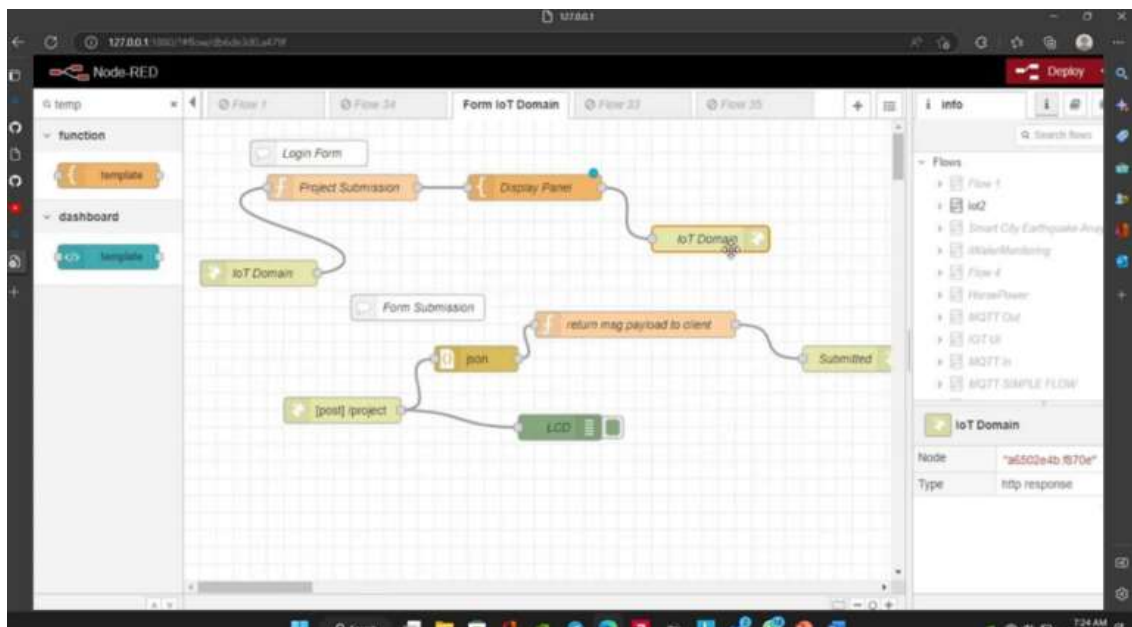
1. Connecting the nodes as shown below

## IOT domain - IN node

### Project submission -Function node

### Display panel -Template node

IoT domain (selected on the screen) -Response node



## 2.Designing the structure of the web page

Code used: HTML

The HyperText Markup Language or HTML is the standard markup language for documents designed to

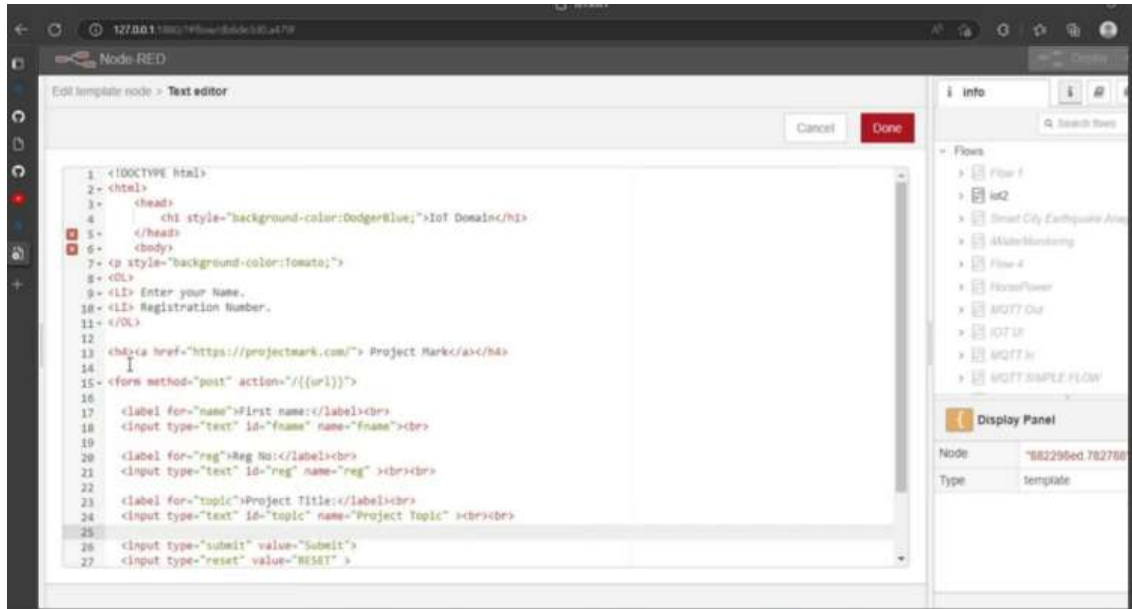
be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.

Web template system: Mustache

Mustache is a logic-less templating system. A Mustache template is a text string containing text and tags

that represent data. The Mustache rendering engine takes a template and substitutes the tags with the

data from a given data context.



The screenshot shows the Node-RED editor with a 'Text editor' node. The code is a Mustache template for an HTML registration form. It includes a head section with a title 'IoT Domain', a body section with a form, and a footer section with a link to Project Mark. The form has fields for 'First name', 'Reg No', 'Project Title', and 'Project Topic', and buttons for 'Submit' and 'RESET'.

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title style="background-color:DodgerBlue;">IoT Domain</title>
5   </head>
6   <body>
7     <p style="background-color:tomato;">
8       <div>
9         <li>Enter your Name.
10        </li>
11        <li>Registration Number.
12        </li>
13        <a href="https://projectmark.com/">Project Mark</a>
14      </div>
15      <form method="post" action="{{url}}">
16        <label for="name">First name:</label><br>
17        <input type="text" id="fname" name="fname"><br>
18        <label for="reg">Reg No:</label><br>
19        <input type="text" id="reg" name="reg"><br><br>
20        <label for="topic">Project Title:</label><br>
21        <input type="text" id="topic" name="Project Topic"><br><br>
22        <input type="submit" value="Submit">
23        <input type="reset" value="RESET">
24      </form>
25    </body>
26  </html>
```

### 3.FINAL OUTPUT:



127.0.0.1

127.0.0.1:1081/9f6ee4b0c4c03d4794

IoT Domain

1. Enter your Name.

2. Registration Number.

Project Mark

First name:

Reg No:

Project Title:

Submit RESET