

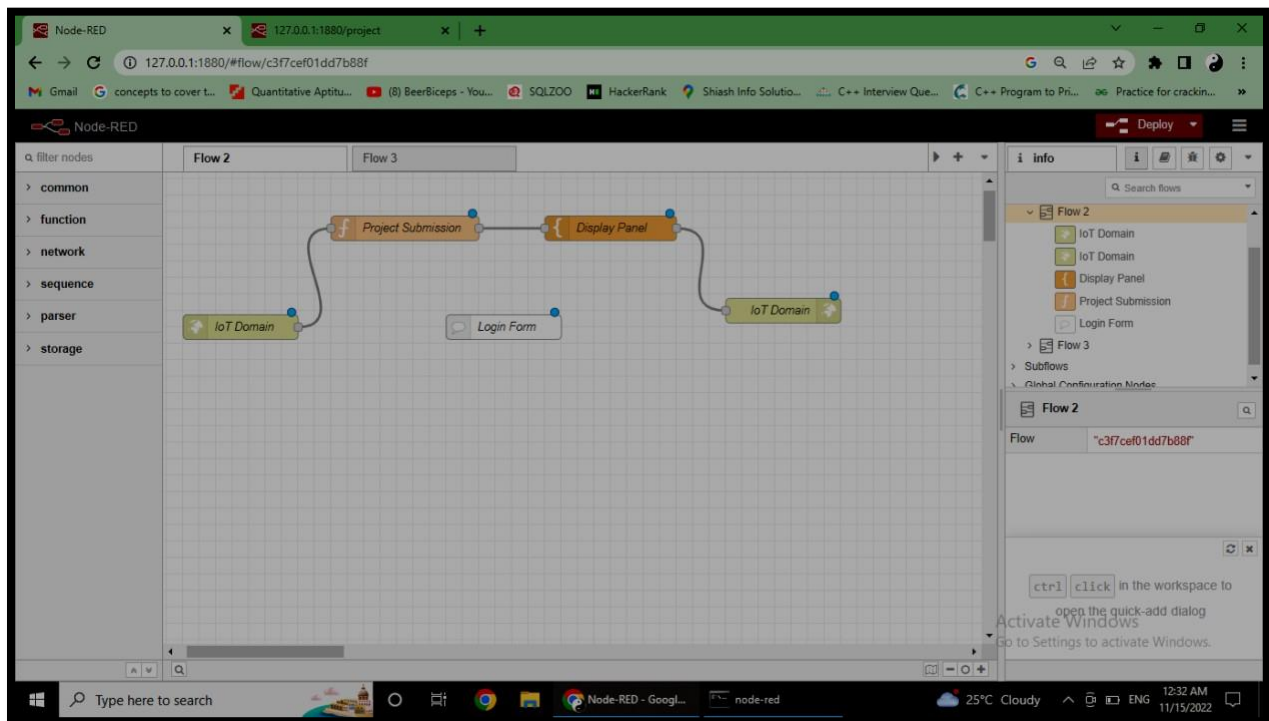
# BUILD A WEB-BASED APPLICATION USING NODE-RED

## GAS LEAKAGE MONITORING & ALERTING SYSTEM FOR INDUSTRIES

TEAM ID : PTN2022TMID37636

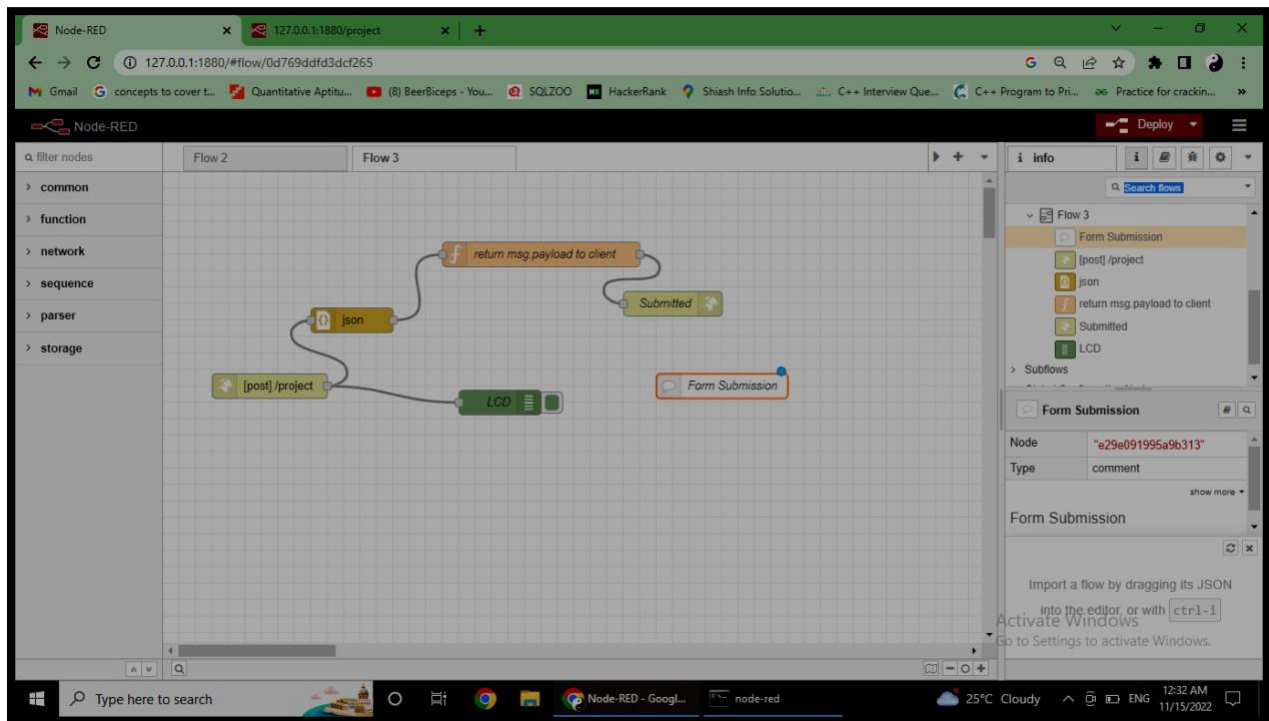
### 1. Connecting the nodes as shown below

#### Login Form:



| Name               | Node               |
|--------------------|--------------------|
| IoT Domain         | Http in node       |
| Project Submission | Function node      |
| Display Panel      | Template node      |
| IoT Domain         | Http response node |

## Submission Form:



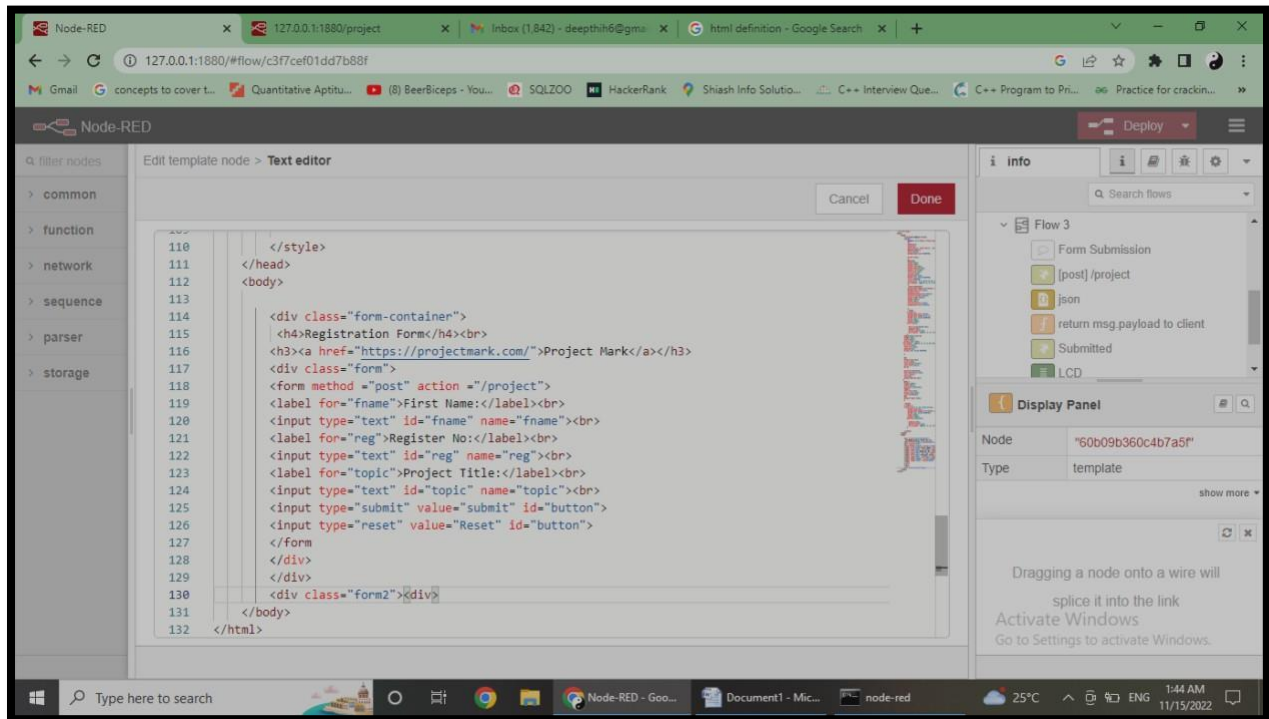
| Name                         | Node               |
|------------------------------|--------------------|
| [post]/project               | Http in node       |
| json                         | Json node          |
| Return msg.payload to client | Function node      |
| Submitted                    | Http response node |
| LCD                          | Debug node         |

## 2. Designing the structure of the web page

Language used : HTML

**The HyperText Markup Language or Html** is the standard markup language for documents designed to be displayed in a web browser. HTML describes the structure of a Web page. HTML consists of a series of elements. HTML elements tell the browser how to display the content.

**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.



### 3. Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>IoT Domain</title>
    <style>
      @import
url('https://fonts.googleapis.com/css2?family=Bree+Serif&family=K
anit:wght@300;400;500&family=Palanquin+Dark:wght@400;500&fa
mily=Roboto+Slab:wght@300;400;500&display=swap');
      *{
        padding:0;
        margin:0;
        font-family: 'Bree Serif', serif;}
```

```
#button:hover{
color:white;
background-color:#130f40;

border:none;
}
#button{
width:310px;
height:40px;
margin-top:20px;
margin-bottom:20px;
margin-left:20px;
font-size:18px;
outline:none;
background:none;
border:2px solid #130f40;
color:#130f40;
transition: 0.3s ease-in-out all;
box-shadow: rgba(0, 0, 0, 0.24) 0px 3px 8px;
}
.form-container{
```

```
backgroundimage:url("https://media.istockphoto.com/id/1248263998/photo/isolated-high-tech-open-laptop-with-abstract-vibrant-color-screen-on-a-dark-background.jpg?s=170667a&w=0&k=20&c=xkNcW_DmhG6kbrncjaZvkqRPZ27x5oZpHO15AxxDydo=");
background-size:cover;
display:flex;
background-position:center;
justify-content:center;
align-items:center;
height:100vh;
width:100vw;
flex-direction:column;
background-color:yellow;
```

```
}  
.form{  
  z-index:2;  
  background-color:white;  
  background-image:url("");  
  border:2px solid #130f40;  
  width:392px;  
  height:480px;  
  color:white;  
  box-sizing:border-box;  
  padding:20px;  
  border-radius:2px;  
  box-shadow: rgba(0, 0, 0, 0.64) 0px 3px 8px;  
}  
input[type="text"]{  
  height:25px;  
  width:300px;  
  margin:15px 20px;  
  box-shadow: rgba(0, 0, 0, 0.24) 0px 3px 8px;  
  outline:none;  
  font-size:18px;  
  padding:5px;  
  border:2px solid #130f40;  
}
```

```
h4{  
  margin-top:15px;  
  color:white;  
  font-weight:normal;  
  font-size:25px;}  
h3 a{  
  position:absolute;  
  text-decoration:none;  
  color:white;  
  top:15px;
```

```

        margin-bottom:18px;
    }
    body {
        height:100vh;
        width:100vw;
        position:relative;}
    label{
        font-size:18px;
        margin-left:18px;
        color:#130f40;}
    h3{
        margin-right:120px;
    }
    .form2{
        z-index:1;
        transition:0.2s all ease-in-out;
        margin-top:73px;
        background-image:url("https://images.unsplash.com/photo-1525547719571-a2d4ac8945e2?ixlib=rb-4.0.3&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=464&q=80");
        border:2px solid #130f40;
        width:392px;
        height:480px;
        position:absolute;

        padding:20px;
        border-radius:2px;
        box-shadow: rgba(0, 0, 0, 0.64) 0px 3px 8px;
    }
</style>
</head>
<body>

<div class="form-container">
    <h4>Registration Form</h4><br>

```

```

<h3><a href="https://projectmark.com/">Project Mark</a></h3>
  <div class="form">
    <form method="post" action="/project">
      <label for="fname">First Name:</label><br>
      <input type="text" id="fname" name="fname"><br>
      <label for="reg">Register No:</label><br>
      <input type="text" id="reg" name="reg"><br>
      <label for="topic">Project Title:</label><br>
      <input type="text" id="topic" name="topic"><br>
      <input type="submit" value="submit" id="button">
      <input type="reset" value="Reset" id="button">
    </form>
  </div>
</div>
<div class="form2"><div>
  </body>
</html>

```

## Final Output:

