

Development Phase
Project Development Delivery of Sprint 4

Team ID	PNT2022TMID39931
Project Name	Project - Signs with smart connectivity for Better road safety
Marks	8 Marks

Signs with smart connectivity for Better road safety

Objective :

>> To replace the static signboards, smart connected sign boards are used.

>> These smart connected sign boards get the speed limitations from a web app using weather API and update automatically.

>> Based on the weather changes the speed may increase or decrease.

>> Based on the traffic and fatal situations the diversion signs are displayed.

>> Guide(Schools), Warning and Service(Hospitals, Restaurant) signs are also displayed accordingly.

>> Different modes of operations can be selected with the help of buttons.

Code for Registration and Login Credentials :

(index.html)

```
<!DOCTYPE html>
<html>
  <head> <style>
    body
    { background-image : url('https://img.freepik.com/premium-vector/lilac-abstract-
background_126980-527.jpg?w=996');
      background-repeat : no-repeat;
      background-attachment : fixed;
      background-size : 100% 100%;
    }
  </style>
  <base target = "_top">
  <script> function
  AddRow()
  { var usernamee = document.getElementById("usernamee").value;
    var passwordd = document.getElementById("passwordd").value;
    var email = document.getElementById("email").value; var
    phone = document.getElementById("phone").value;
    if(usernamee==" "||passwordd==" "||email==" "||phone==" ")
    { return false;
    } else
    {
      google.script.run.AddRecord(usernamee,passwordd,email,phone)
      ; document.getElementById("page2_id1").className="page2_id1-
off";
      document.getElementById("page3_id1").className="page3_id1";
    }
  }
  function LoginUser()
```

```

{ var username = document.getElementById("username").value;
  var password = document.getElementById("password").value;
  google.script.run.withSuccessHandler(function(output)
  { if(output=='TRUE')
    { var url1 = 'https://node-red-vygyh-2022-11-04.au-
syd.mybluemix.net/ui/#!/0?socketid=kVaDwx144Sp25m0ZAAAX';
      var winRef = window.open(url1);
      winRef?google.script.host.close()
      :window.onload=function()
      { document.getElementById('url1').href=url1;
      }
    }
    Type your text
  else if(output=='FALSE')
  {
    Type your text
    document.getElementById("errorMessage").innerHTML="Invaliddata";
  }
}).checkLogin(username,password);
}
function function1()
{ document.getElementById("page1_id1").className="page1_class1-
off"; document.getElementById("page2_id1").className="page2_id1";
}
function function2()
{ document.getElementById("page2_id1").className="page2_id1-
off";
  document.getElementById("page3_id1").className="page3_id1";
}
function function3()
{ document.getElementById("page3_id1").className="page3_id1-
off";
  document.getElementById("page1_id1").className="page1_id1";
}
</script>
<style>
/*page1*/
.page1_class1-off
{ display : none;
}
/*page2*/
.page2_class1
{ display : none;
}
.page2_id1-off
{ display : none;
}
/*page3*/
.page3_class1
{ display : none;
}
.page3_id1-off
{ display : none;
}
input[type=text] : hover
{ border-bottom : 2px solidblack;
}
input[type=number] : hover
{ border-bottom : 2px solidblack;
}
input[type=password] : hover
{ border-bottom : 2px solidblack;
} </style>
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>

```

```

<body><center><h1>Signs with smart connectivity for better road safety</h1>
</center><br><br>
<!--page1-->
<center>
<div class="page1_class1" id="page1_id1" style="background-image:
url('https://media.istockphoto.com/id/1302561463/photo/holographic-iridescent-background-unicorn-
colorful-rainbow-foil-abstract-beautiful-
rainbow.jpg?b=1&s=170667a&w=0&k=20&c=BXTMLyLQNIqvm2od1KerrL5hPVHbjBf5ehhN5sx1JNE=');border:1px
solid gray;border-radius: 20px;width: 250px;padding-top:10px;padding-bottom: 20px;padding-
left:20px;padding-right: 20px;">
<h1>Login</h1>
<input type="text" id="username" placeholder=" Enter the Username" style="outline:
none;border-top: none;border-right: none;border-left: none;font-align:centre;text-transform:
none;font:monospace;font-size:1.2em ;border-bottom: .2rem solid rgba(222, 214, 223,
0.3);margin:1rem
0;height:2rem;font:monospace;width:90%;"/><br>
<input type="password" id="password" placeholder=" Enter the Password" style="border-top:
none;font-align:centre;border-right: none;border-left: none;margin:1rem 0; height:2rem;font-size:
1.2rem;border-bottom: .2rem solid rgba(222, 214, 223, 0.3);text-transform: none; outline:
none;font:monospace;width:90%;"/>
<br><span id="errorMessage" style="color:red"></span><br>
<input type="submit" class="button" value="Login" onClick="LoginUser()" style="float:
centre;padding-top: 1px;padding-bottom: 1px;padding-left: 10px;padding-right: 10px;font-size:
1.2em;"/><br><br><br><br>
<b>If you don't have an account.,</b>
<input type="button" onClick="function1()" value="Register" style="margin-top:10px;font-
weight:bold;"/>
</div>
<!--page2-->
<div class="page2_class1" id="page2_id1" style="background-image:
url('https://media.istockphoto.com/id/1302561463/photo/holographic-iridescent-background-unicorn-
colorful-rainbow-foil-abstract-beautiful-
rainbow.jpg?b=1&s=170667a&w=0&k=20&c=BXTMLyLQNIqvm2od1KerrL5hPVHbjBf5ehhN5sx1JNE=');border:1px
solid gray;border-radius: 20px;width: 250px;padding-top:10px;padding-bottom: 20px;padding-
left:20px;padding-right: 20px;"> <h1>Register</h1>
<input type="text" id="usernamee" placeholder=" Enter the Name" style="outline:
none;border-top: none;border-right: none;border-left: none;font-align:centre;text-transform:
none;font:monospace;font-size:1.2em ;border-bottom: .2rem solid rgba(222, 214, 223,
0.3);margin:1rem 0;height:2rem;font:monospace;width:90%;"/><br>
<input type="password" id="passwordd" placeholder=" Enter the Password"
style="outline: none;border-top: none;border-right: none;border-left: none;font-align:centre;text-
transform: none;font:monospace;font-size:1.2em ;border-bottom: .2rem solid rgba(222, 214, 223,
0.3);margin:1rem 0;height:2rem;font:monospace;width:90%;"/><br>
<input type="text" id="email" placeholder=" Enter the Email" style="outline:
none;border-top: none;border-right: none;border-left: none;font-align:centre;text-transform:
none;font:monospace;font-size:1.2em ;border-bottom: .2rem solid rgba(222, 214, 223,
0.3);margin:1rem 0;height:2rem;font:monospace;width:90%;"/><br><br><br>
<input type="submit" value="Create" onClick="function2()" style="float:
centre;padding-top: 1px;padding-bottom: 1px;padding-left: 10px;padding-right: 10px;font-size:
1.2em;"/><br><br>
</div>

<!--page3-->
<div class="page3_class1" id="page3_id1" style="background-image:
url('https://media.istockphoto.com/id/1302561463/photo/holographic-iridescent-background-unicorn-
colorful-rainbow-foil-abstract-beautiful-
rainbow.jpg?b=1&s=170667a&w=0&k=20&c=BXTMLyLQNIqvm2od1KerrL5hPVHbjBf5ehhN5sx1JNE=');border:1px
solid gray;border-radius: 20px;width: 250px;padding-top:10px;padding-bottom: 20px;padding-
left:20px;padding-right: 20px;">
<center><h2>Thank you for registered !!<br><br></h2></center>
<input type="submit" onClick="function3()" value="Login" style="float:
centre;padding-top: 1px;padding-bottom: 1px;padding-left: 10px;padding-right: 10px;font-size:
1.2em;"><br><br>

```

```

        </div>
    </center>
</body>
</html>

```

(Code.gs)

```

function doGet(e)
{
    var x = HtmlService.createTemplateFromFile("index.html");
    var y = x.evaluate();
    var z = y.setXFrameOptionsMode(HtmlService.XFrameOptionsMode.ALLOWALL); return
    z;
}

function checkLogin(username, password)
{
    var url
    =
    'https://docs.google.com/spreadsheets/d/1IB2nLiYrCbq71P047pnyj9_zDXDoRsIhBEeY74aQl0o/edit#gid=0
    '; var ss = SpreadsheetApp.openByUrl(url); var webAppSheet = ss.getSheetByName("DATA"); var
    getLastRow = webAppSheet.getLastRow(); var found_record='';
    for(var i=1;i<=getLastRow;i++)
    {
        if(webAppSheet.getRange(i,1).getValue().toUpperCase() ==
        username.toUpperCase() &&
        webAppSheet.getRange(i,2).getValue().toUpperCase()==password.toUpperCase())
        {
            found_record='TRUE';
        }
    }
    if(found_record=='')
    {
        found_record='FALSE';
    }
    return found_record;
}

function
AddRecord(usernamee,passwordd,email,phone)
{
    var url =
    'https://docs.google.com/spreadsheets/d/1IB2nLiYrCbq71P047pnyj9_zDXDoRsIhBEeY74aQl0o/edit#gid=0';
    var ss = SpreadsheetApp.openByUrl(url);
    var webAppSheet = ss.getSheetByName("DATA");
    webAppSheet.appendRow([usernamee,passwordd,email,phone]); }

```

Registration and Login Form :

