

PROJECT DEVELOPMENT PHASE

SPRINT 4

TEAM ID	PNT2022TMID23164
TEAM LEADER	S.NITHYAKALYANI(913119106073)
TEAM MEMBERS	<ul style="list-style-type: none">• V.HARSHINI(913119106032)• R.SNEHA(913119106105)• R.AKSHAYA VAIRALAXMI(913119106007)
DATE	14 NOVEMBER 2022
TITLE	Signs with Smart Connectivity for Better Road safety

Objective :

Signs with smart connectivity for Better road safety

- >> 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/lilacabstract- 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('url').href=url1;
} }
else if(output=='FALSE')
{
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_id1off";
document.getElementById("page3_id1").className="page3_id1";
}
function function3()
{ document.getElementById("page3_id1").className="page3_id1off";
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/holographiciride
scent-background-unicorn- colorful-rainbow-foil-abstractbeautiful-
rainbow.jpg?b=1&s=170667a&w=0&k=20&c=BXTMLyLQNIqvm2od1KerrL5hPVHbjBf5eh
hN5sxl1JNE=');border:1px solid gray;border-radius: 20px;width:
250px;padding-top:10px;padding-bottom: 20px;padding-
left:20px;paddingright: 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;fontsize: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;borderleft: 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/holographiciride
scent-background-unicorn- colorful-rainbow-foil-abstractbeautiful-
rainbow.jpg?b=1&s=170667a&w=0&k=20&c=BXTMLyLQNIqvm2od1KerrL5hPVHbjBf5eh
hN5sxl1JNE=');border:1px solid gray;border-radius: 20px;width:
```

```

250px;padding-top:10px;padding-bottom: 20px;padding-
left:20px;paddingright: 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;fontsize: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;fontalign:centre;text- transform:
none;font:monospace;fontsize: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;fontsize: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;paddingright: 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/holographiciride
scent-background-unicorn- colorful-rainbow-foil-abstractbeautiful-
rainbow.jpg?b=1&s=170667a&w=0&k=20&c=BXTMLyLQNIqvm2od1KerrL5hPVHbjBf5eh
hN5sxlJNE=');border:1px solid gray;border-radius: 20px;width:
250px;padding-top:10px;padding-bottom: 20px;padding-
left:20px;paddingright: 20px;">

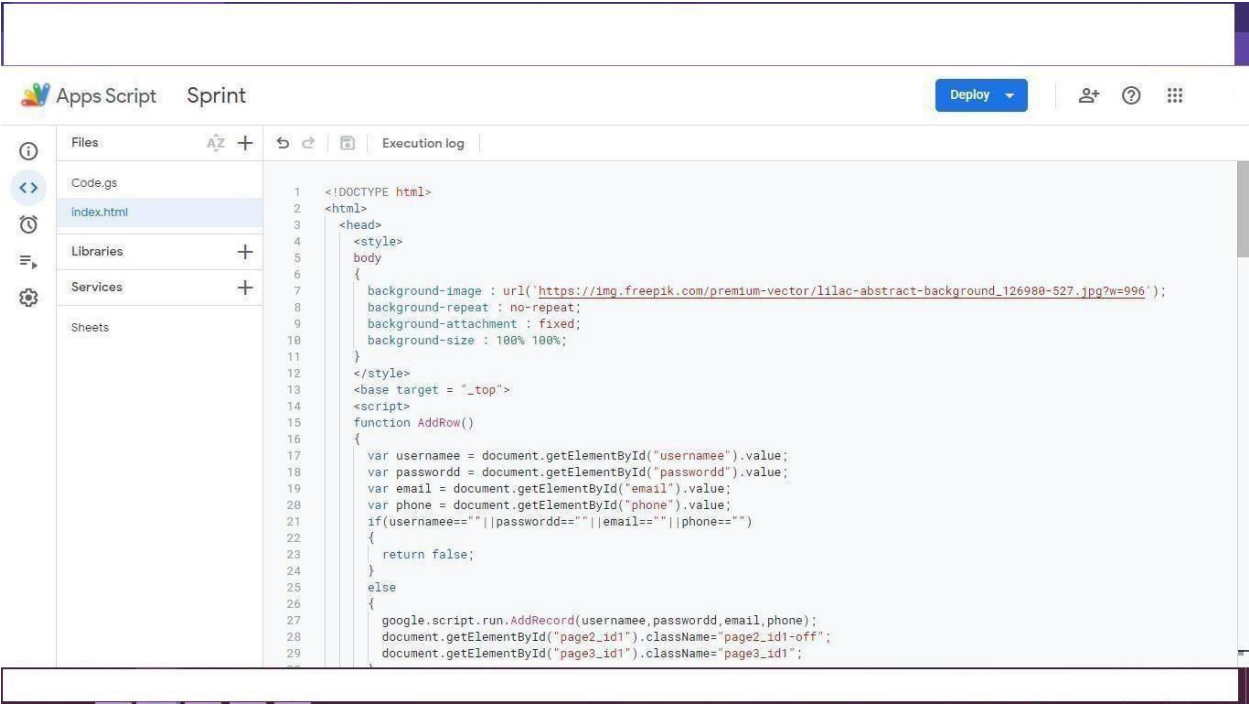
<center><h2>Thank you for registered !!<br><br></h2></center>

<input type="submit" onClick="function3()" value="Login" style="float:
centre;padding-top: 1px;padding-bottom: 1px;padding-left:
10px;paddingright: 10px;font-size: 1.2em;"><br><br>

```

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

( Code.gs )
function doGet(e)
{
```



```
( 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) {
```

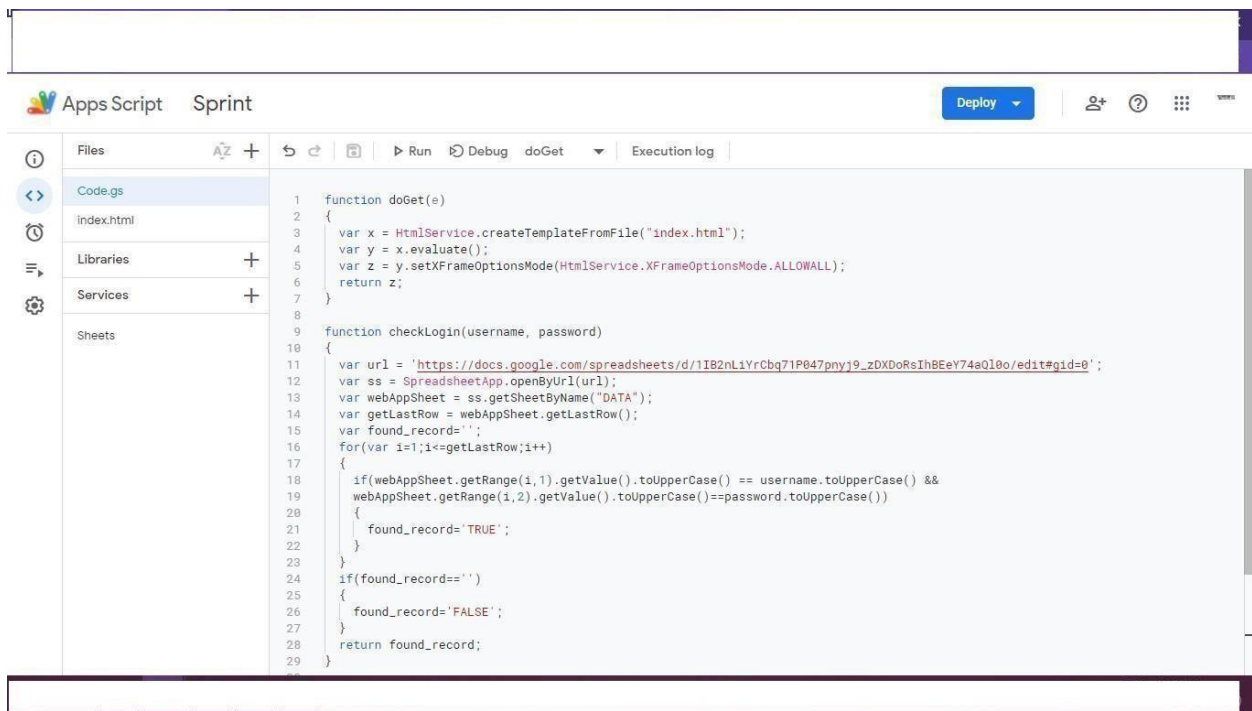
```

var url =
'https://docs.google.com/spreadsheets/d/1IB2nLiYrCbq71P047pn
yj9_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/1IB2nLiYrCbq71P047pn
  yj9_zDXDoRsIhBEeY74aQl0o/edit#gid=0';
  var ss =
  SpreadsheetApp.openByUrl(url);
  var webAppSheet =
  ss.getSheetByName("DATA");
  webAppSheet.appendRow([usernamee,passwordd,email,phone]);
}
```



Registration and Login Form :

This application was created by another user, not by Google.

[Terms of Service](#)

Signs with smart connectivity for better road safety

Login

If you don't have an account.,

This application was created by another user, not by Google.

[Terms of Service](#)

Signs with smart connectivity for better road safety

Register

Signs with smart connectivity for better road safety

**Thank you for
registered !!**

Login



screen2

TRAFFIC UPDATES

YOU ARE BEHIND ANOTHER VEHICLE BY

13

IF DISTANCE IS BELOW 20

STOP

TRY MOVING IN DIFFERENT DIRECTION

OR TAKE DIVERSION

BACK