

# SPRINT - 1

Date	29 October 2022
Team ID	PNT2022TMID05358
Project Name	Smart Waste Management System for Metropolitan Cities

## OBJECTIVE:

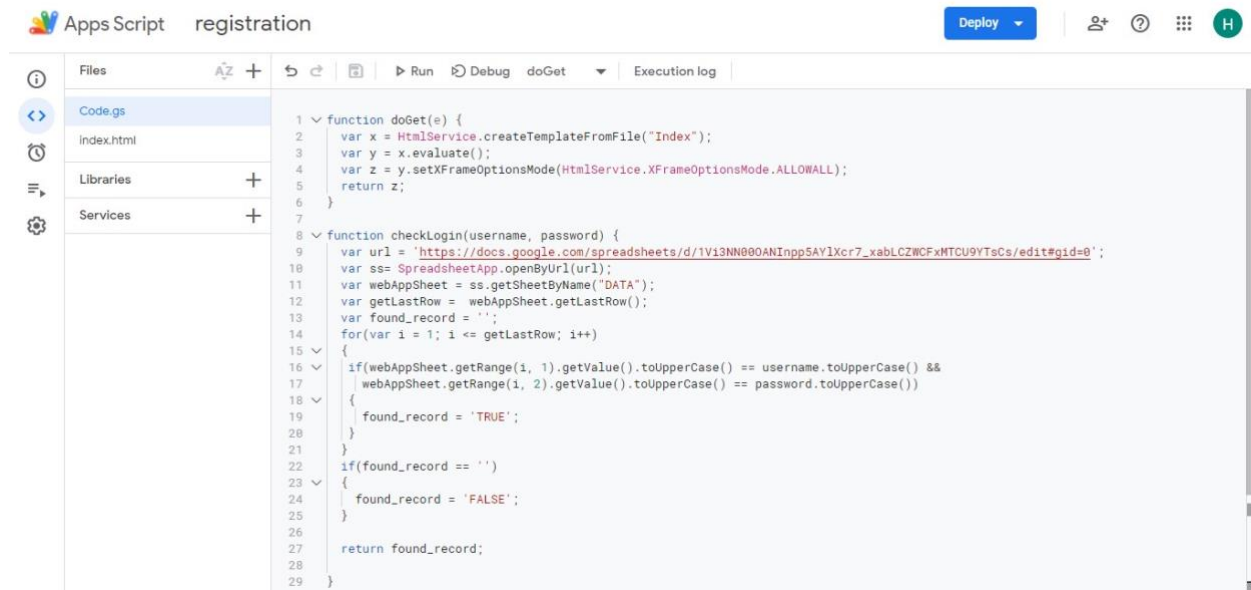
A 24×7 monitoring system is designed for monitoring dumpsters. The ultrasonic sensor is used for measuring the level of waste in the dustbin. The DC motor powered platform is used for segregating wet and dry waste. The IR sensor and moisture sensor is used for separating wet and dry waste. If either of the containers is full then an alert message is sent from the dustbin to garbage collector and the cloud. In turn, based on the allotment garbage collector can clear the corresponding dumpster.

## CODE FOR REGISTRATION AND LOGIN CREDENTIALS:

Code.gs:

```
function doGet(e) {  var x =
HtmlService.createTemplateFromFile("Index");  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/1Vi3NN000ANInpp5AYlXcr7_xabLCZWCFxMTCU9YTsc
s/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/1Vi3NN000ANInpp5AYlXcr7_xabLCZWCFxMTCU9YTsc
s/edit#gid=0';  var ss= SpreadsheetApp.openByUrl(url);  var webAppSheet =
ss.getSheetByName("DATA");  webAppSheet.appendRow([usernamee,passwordd,email,phone]);
}
```



## index.html:

```

<!DOCTYPE html>
<html>
  <head>
    <style>
      body{
background-image:url('background.jpg');
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-jrfhu-2022-10-
06.eugb.mybluemix.net/ui/#!/0?socketid=kVaDwx144Sp25mOZAAAX';
      var winRef =

```

```

window.open(url1);          winRef ? google.script.host.close() :
window.onload=function(){document.getElementById
('url1').href = url1;}
    }          else if(output ==
'FALSE')
    {          document.getElementById("errorMessage").innerHTML =
"Invalid data";          }
    }).checkLogin(username, password);
    }          function function1(){
document.getElementById("page1_id1").className = "page1_class1-off";
document.getElementById("page2_id1").className = "page2_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 solid black;
    } input[type=number]:hover{
border-bottom:2px solid black;
    } input[type=password]:hover{
    border-bottom:2px solid black;
    }

</style>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
    </head>
    <body>
        <br><br>
<!--page1-->
<center>

```

```

<div class="page1_class1" id="page1_id1" style="backgroundcolor:rgb(135, 207,
235);border:2px solid gray;border-radius: 20px;width: 250px;paddingtop: 10px;padding-
bottom: 20px;padding-left: 20px;padding-right: 20px;">
    <h1>Login Here</h1>
    <br>
    <p>Username</p>
    <input type="text" id="username" placeholder=" Enter Username" style=";outline: none;
textalign: center;font-size:0.9em ;width: 50%;font-weight:bold;"/><br>
    <br>
    <p>Password</p>    <input type="password" id="password" placeholder=" Enter
Password" style="bordertop: none;border-right: none;border-left: none;outline: none;
text-align: center;fontsize:0.9em ;width: 50%;font-weight:bold;"/>
    <br><span id="errorMessage" style="color: red" ></span><br>
    <br>
    <input type="submit" value="Login" onclick="LoginUser()" style="float: centre;paddingtop:
1px;padding-bottom: 1px;padding-left: 10px;padding-right: 10px;font-size:
0.9em;fontweight:bold;" /><br>
    <br><br>
    <b>If you don't have an account,</b><input type="button" onClick="function1()" value="Creat
e New" style="margin-top: 5px;font-weight:bold;" />
</div>

<!--page2-->
<div class="page2_class1" id="page2_id1" style="backgroundcolor:rgb(135, 207,
235);border:2px solid gray;border-radius: 20px;width: 250px;paddingtop: 10px;padding-
bottom: 20px;padding-left: 20px;padding-right: 20px;">
    <h1>Register Here</h1>
    <p>Name</p>
    <input type="text" id="usernamee" placeholder=" Enter Name" style="border-top:
none;borderright: none;border-left: none;outline: none; text-align: center;fontsize:0.9em
;width: 50%;font-weight:bold;"/><br>
    <br>
    <p>Password</p>
    <input type="password" id="passwordd" placeholder="Create password" style="bordertop:
none;border-right: none;border-left: none;outline: none; text-align: center;fontsize:
0.9;width: 50%;font-weight:bold;" /><br>
    <br>
    <p>Email</p>
    <input type="text" id="email" placeholder=" Enter Email" style="border-top:
none;borderright: none;border-left: none;outline: none; text-align: center;fontsize:0.9em
;width: 50%;font-weight:bold;"/><br>
    <br>
    <p>Phone Number</p>
    <input type="number" id="phone" placeholder="Enter number" style="border-top:
none;borderright: none;border-left: none;outline: none; text-align: center;fontsize:0.9em
;width: 50%;font-weight:bold;" /><br><br>
    <br><br>
    <input type="submit" value="Create" onclick="AddRow()" style="float: centre;paddingtop:
1px;padding-bottom: 1px;padding-left: 10px;padding-right: 10px;font-size:
0.9em;fontweight:bold;" />
    <br>
</div>

<!--page3-->

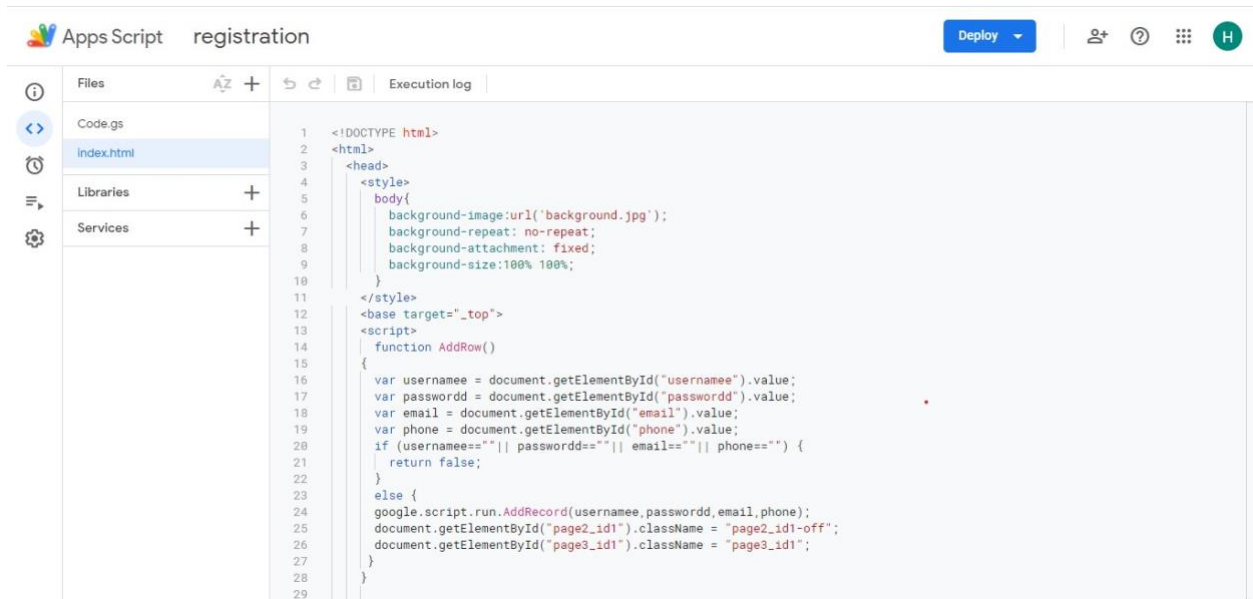
```

```

<div class="page3_class1" id="page3_id1" style="background:none;border:2px solid
gray;borderradius: 20px;width: 250px;padding-top: 10px;padding-bottom: 20px;padding-left:
20px;paddingright: 20px;"><center>
  <h2> REGISTRATION SUCCESSFUL! Login to your account</h2>
  <input type="submit" onClick="function3()" value="Login" style="font-weight:bold;"><br>
</div>

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

```



## REGISTRATION AND LOGIN FORM:

## Login Here

Username

Password

If you don't have an account,

## Register Here

Name

Password

Email

Phone Number

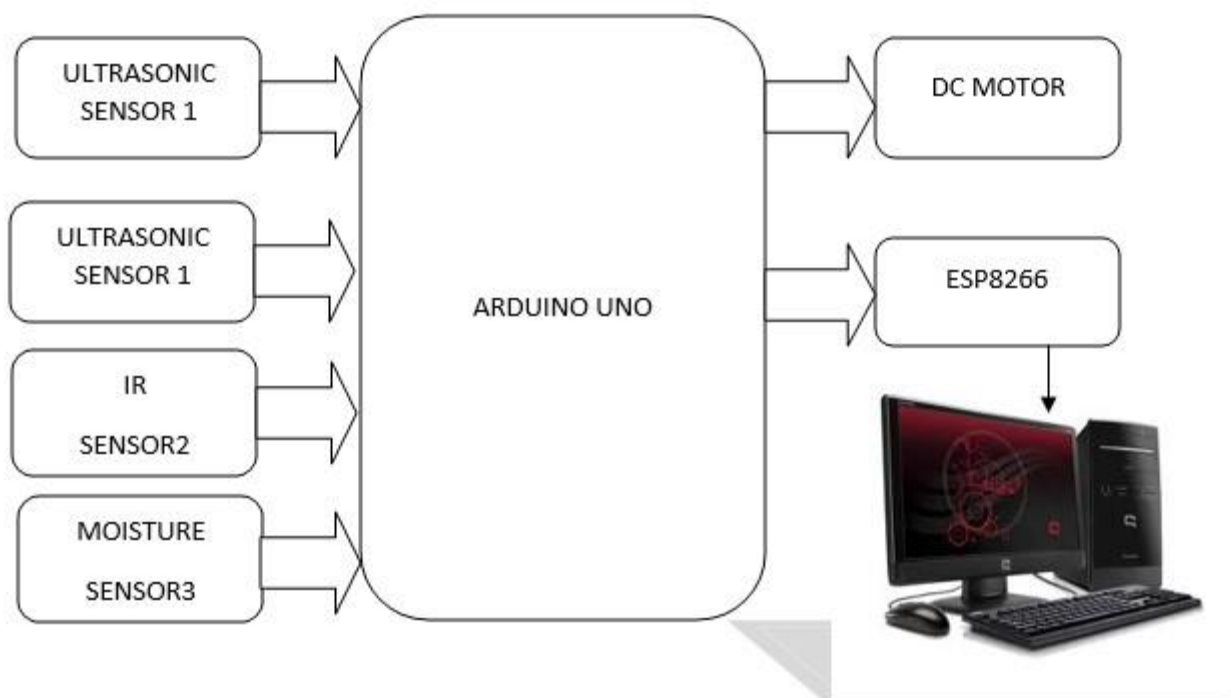
**REGISTRATION  
SUCCESSFUL! Login  
to your account**

**REGISTRATION FORM DATABASE:**

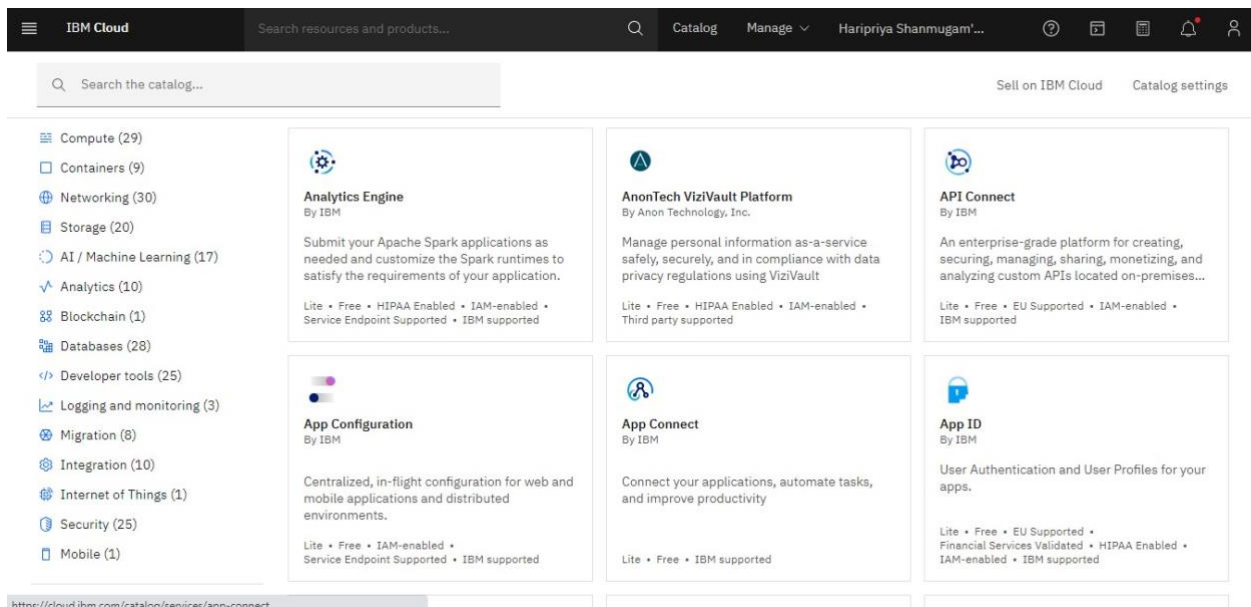
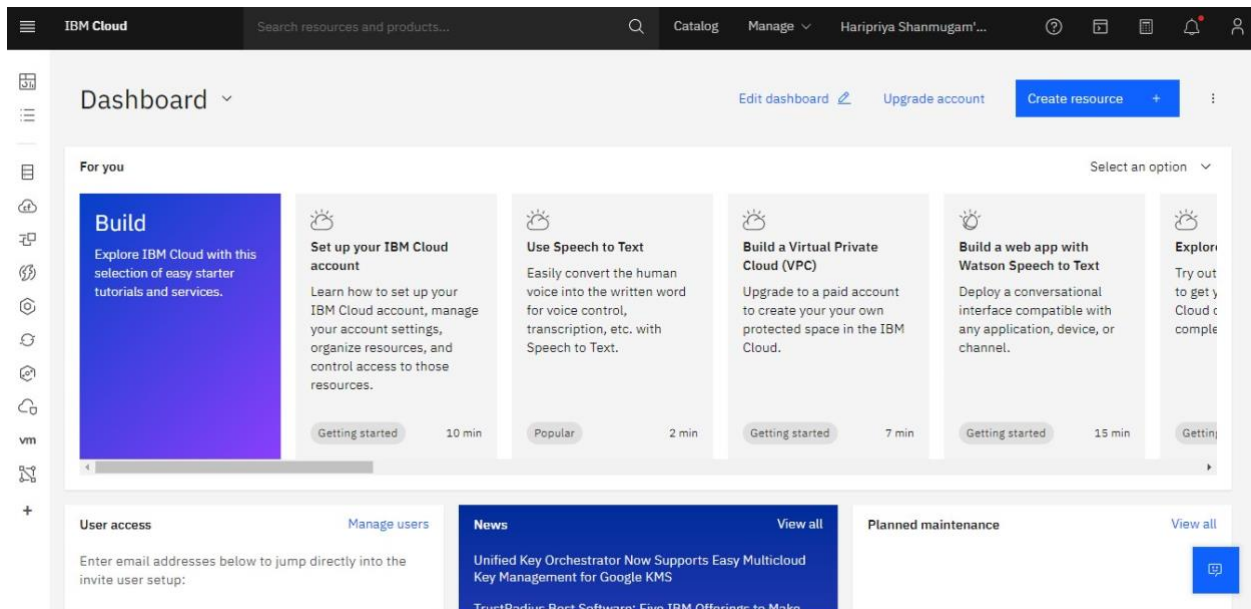
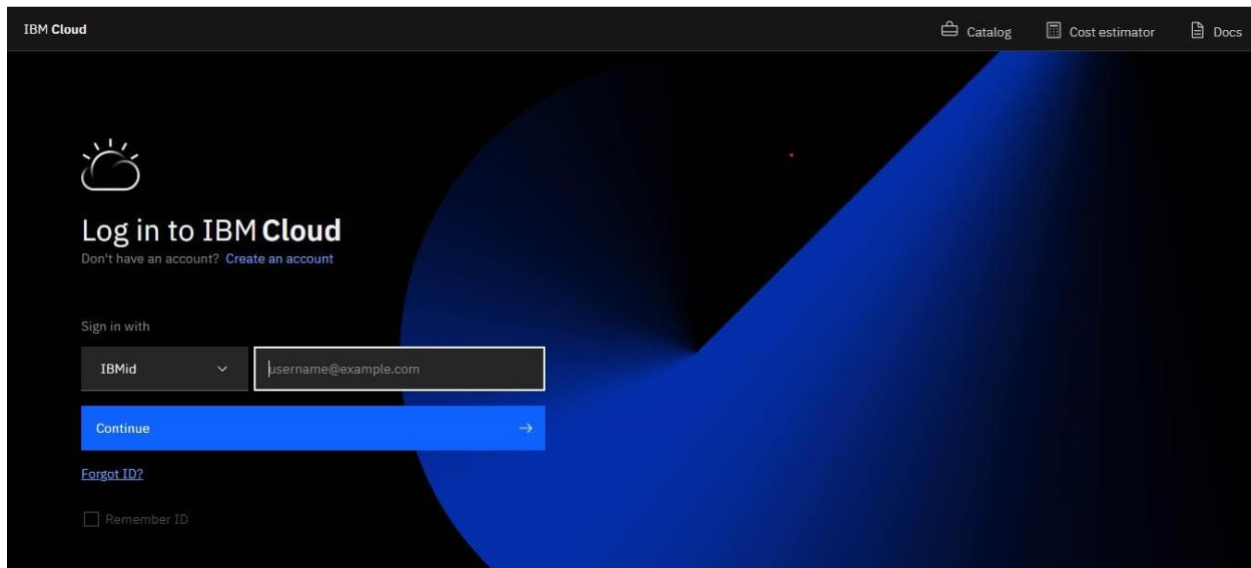


	A	B	C	D	E	F
1	Name	password	Email		Phone Number	
2	SUJITHA G	1107	sujithagopal2002@psnacet.edu.in		8925001764	
3	SUBIKSHA A	2510	subikshaarumugan@gmail.com		9361724152	
4	SUBASRI K	1205	srikannan242001@gmail.com		8940353930	
5	SRUTHI R	2805	sruthirs1030@gmail.com		7339548528	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

## CIRCUIT DIAGRAM:



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Cloud Native Storage and Data Service

Robin Cloud Native Storage and Data Service is a high-performance Storage and Data Management solution for your Stateful Applications on IBM Cloud IKS.

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Service

Provider  
Robin.io

Last updated  
10/11/2022

Category  
Storage

Compliance  
IAM-enabled

Location  
Frankfurt  
Dallas

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Frankfurt (eu-de)

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Summary

Cloud Native Storage and Data Service

Location: Frankfurt

Plan: Hourly Pay-as-you-go

Service name: Cloud Native Storage and Data Service-4s

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