

# SPRINT - 1

Date	06 November 2022
Team ID	PNT2022TMID21627
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:

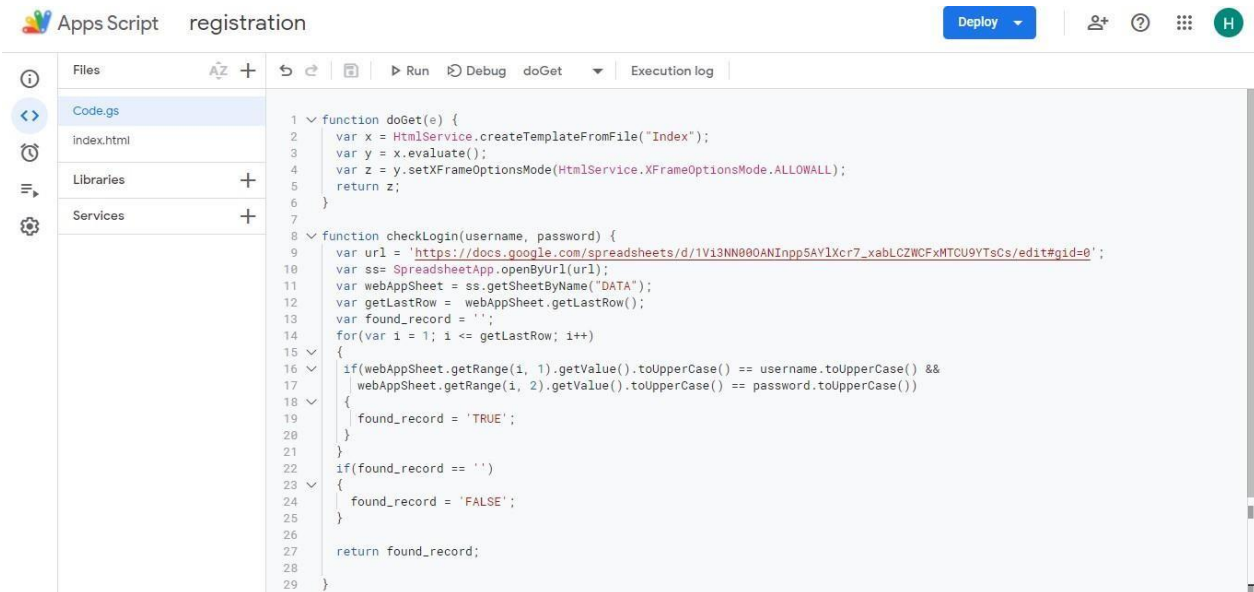
```
function doGet(e) {  
  var x = HtmlService.createTemplateFromFile("Index");  
  var y = x.evaluate();  
  var z = y.setXFrameOptionsMode(HtmlService.XFrameOptionsMode.ALLOWALL);  
  return z;  
}  
  
function checkLogin(username, password) {  
  var url = 'https://docs.google.com/spreadsheets/d/1Vi3NN00OANInpp5AY1Xcr7_xabLCZWCFxMTCU9YTSC  
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_xabLCZWCFxMTCU9YTsCs/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.eu-
gb.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="background-
color:rgb(135, 207, 235);border:2px solid gray;border-radius: 20px;width: 250px;padding-
top: 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; text-
align: center;font-size:0.9em ;width: 50%;font-weight:bold;"/><br>
        <br>
        <p>Password</p>
        <input type="password" id="password" placeholder=" Enter Password" style="border-
top: none;border-right: none;border-left: none;outline: none; text-align: center;font-
size: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;padding-
top: 1px;padding-bottom: 1px;padding-left: 10px;padding-right: 10px;font-size: 0.9em;font-
weight: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="background-
color:rgb(135, 207, 235);border:2px solid gray;border-radius: 20px;width: 250px;padding-
top: 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;border-
right: none;border-left: none;outline: none; text-align: center;font-
size:0.9em ;width: 50%;font-weight:bold;"/><br>

```

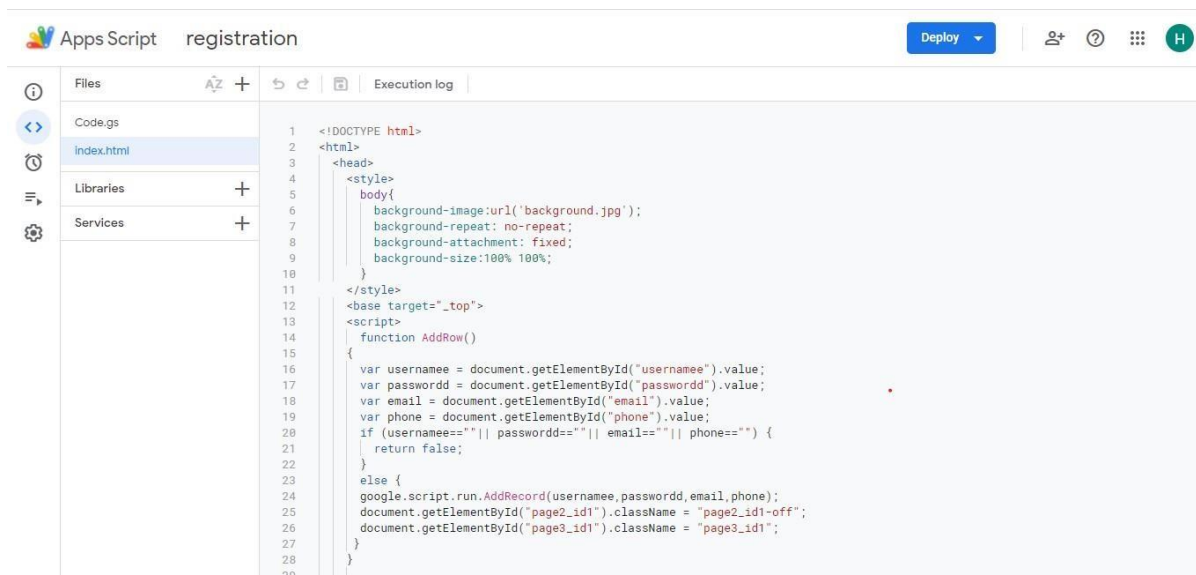
```

    <br>
    <p>Password</p>
    <input type="password" id="passwordd" placeholder="Create password" style="border-top: none;border-right: none;border-left: none;outline: none; text-align: center;font-size: 0.9em;width: 50%;font-weight:bold;" /><br>
    <br>
    <p>Email</p>
    <input type="text" id="email" placeholder=" Enter Email" style="border-top: none;border-right: none;border-left: none;outline: none; text-align: center;font-size: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;border-right: none;border-left: none;outline: none; text-align: center;font-size:0.9em ;width: 50%;font-weight:bold;" /><br><br>
    <br><br>
    <input type="submit" value="Create" onclick="AddRow()" style="float: centre;padding-top: 1px;padding-bottom: 1px;padding-left: 10px;padding-right: 10px;font-size: 0.9em;font-weight:bold;" />
    <br>
</div>

<!--page3-->
<div class="page3_class1" id="page3_id1" style="background:none;border:2px solid gray;border-radius: 20px;width: 250px;padding-top: 10px;padding-bottom: 20px;padding-left: 20px;padding-right: 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>

```



```

1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5      body{
6          background-image:url('background.jpg');
7          background-repeat: no-repeat;
8          background-attachment: fixed;
9          background-size:100% 100%;
10     }
11 </style>
12 <base target="_top">
13 <script>
14     function AddRow()
15     {
16         var username = document.getElementById("username").value;
17         var passwordd = document.getElementById("passwordd").value;
18         var email = document.getElementById("email").value;
19         var phone = document.getElementById("phone").value;
20         if (username=="|| passwordd=="|| email=="|| phone==" ) {
21             return false;
22         }
23         else {
24             google.script.run.AddRecord(username,passwordd,email,phone);
25             document.getElementById("page2_id1").className = "page2_id1-off";
26             document.getElementById("page3_id1").className = "page3_id1";
27         }
28     }
29

```

# REGISTRATION AND LOGIN FORM:

## Login Here

Username

Password

If you don't have an account,

## Register Here

Name

Password

Email

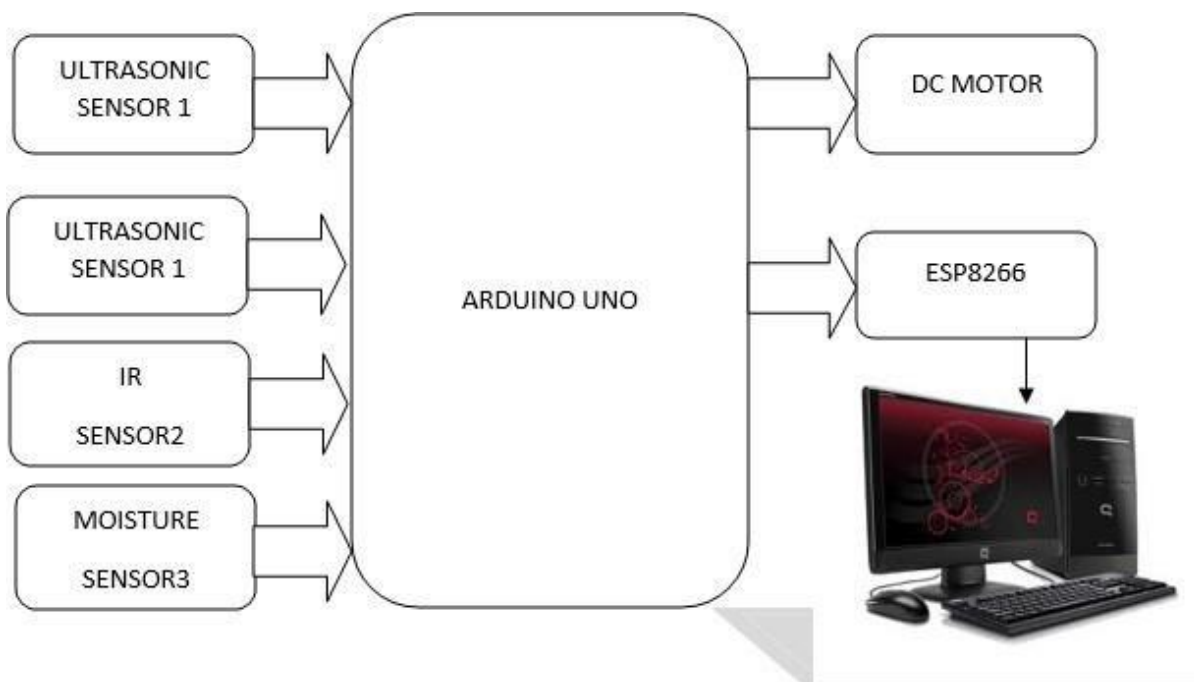
Phone Number

**REGISTRATION  
SUCCESSFUL! Login  
to your account**

## REGISTRATION FORM DATABASE:

H5					
	A	B	C	D	E
1	Name	Password	Email	Phone number	
2	DEEPIKA K P	1107	deepu@gmail.com	9876543210	
3	GAYATHRI	2510	gayu@gmail.com	9765432180	
4	HARIPRIYA S	1205	hari@gmail.com	9654321870	
5	HITHAISHI U M	2805	hithaishi@gmail.com	9087654321	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					


## CIRCUIT DIAGRAM:



# IBM Cloud REGISTRATION:

IBM Cloud

CatalogCost estimatorDocs



## Log in to IBM Cloud

Don't have an account? [Create an account](#)

Sign in with

IBMId

Continue

[Forgot ID?](#)

☐ Remember ID

IBM Cloud

Search resources and products...

CatalogManageHaripriya Shanmugam'...

?

Dashboard

Edit dashboardUpgrade accountCreate resource

For you

Select an option

Build

Explore IBM Cloud with this selection of easy starter tutorials and services.

Set up your IBM Cloud account

Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources.

Getting started10 min

Use Speech to Text

Easily convert the human voice into the written word for voice control, transcription, etc. with Speech to Text.

Popular2 min

Build a Virtual Private Cloud (VPC)

Upgrade to a paid account to create your own protected space in the IBM Cloud.

Getting started7 min

Build a web app with Watson Speech to Text

Deploy a conversational interface compatible with any application, device, or channel.

Getting started15 min

Explore

Try out to get y Cloud c comple

Getting started

User access

Manage users

Enter email addresses below to jump directly into the invite user setup:

News

View all

Unified Key Orchestrator Now Supports Easy Multicloud Key Management for Google KMS

TrustRadius Best Software: Five IBM Offerings to Make

Planned maintenance

View all

IBM Cloud

Search resources and products...

CatalogManageHaripriya Shanmugam'...

?

Search the catalog...

Sell on IBM CloudCatalog settings

Compute (29)

Containers (9)

Networking (30)

Storage (20)

AI / Machine Learning (17)

Analytics (10)

Blockchain (1)

Databases (28)

Developer tools (25)

Logging and monitoring (3)

Migration (8)

Integration (10)

Internet of Things (1)

Security (25)

Mobile (1)

Analytics Engine

By IBM

Submit your Apache Spark applications as needed and customize the Spark runtimes to satisfy the requirements of your application.

Lite • Free • HIPAA Enabled • IAM-enabled • Service Endpoint Supported • IBM supported

App Configuration

By IBM

Centralized, in-flight configuration for web and mobile applications and distributed environments.

Lite • Free • IAM-enabled • Service Endpoint Supported • IBM supported

AnonTech ViziVault Platform

By Anon Technology, Inc.

Manage personal information as-a-service safely, securely, and in compliance with data privacy regulations using ViziVault

Lite • Free • HIPAA Enabled • IAM-enabled • Third party supported

App Connect

By IBM

Connect your applications, automate tasks, and improve productivity

Lite • Free • IBM supported

API Connect

By IBM

An enterprise-grade platform for creating, securing, managing, sharing, monetizing, and analyzing custom APIs located on-premises...

Lite • Free • EU Supported • IAM-enabled • IBM supported

App ID

By IBM

User Authentication and User Profiles for your apps.

Lite • Free • EU Supported • Financial Services Validated • HIPAA Enabled • IAM-enabled • IBM supported

<https://cloud.ibm.com/catalog/services/app-connect>



IBM Cloud

Search resources and products...

Catalog

Manage

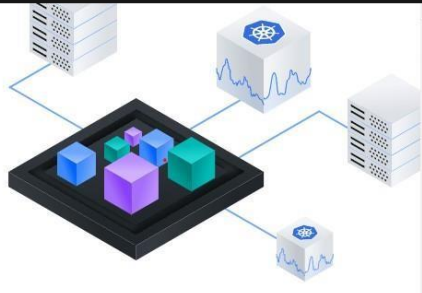
Haripriya Shanmugam'

Cloud Foundry

Public

## Deploy and run your applications without managing servers or clusters with IBM Cloud Foundry

Cloud Foundry automatically transforms source code into containers, scales them on demand, and manages user access and capacity.



### Cloud Foundry in the IBM Cloud

#### Public Applications

Create and deploy apps on IBM Cloud's multi-tenant Cloud Foundry enviroment available in 5 IBM Cloud Regions. Get started in minutes by deploying your applications, and let IBM Cloud manage them for you.

IBM Cloud Foundry Public is being deprecated. Please see full details.

IBM Cloud


Search resources and products...

Catalog

Manage

Haripriya Shanmugam'

Catalog /



## 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.

Create

About

Type  
Service

Provider  
Robin.io

Last updated  
10/11/2022

Category  
Storage

Compliance  
IAM-enabled

Location  
Frankfurt  
Dallas

Disclaimer

This third-party product is provided by a vendor outside of IBM and is subject to a separate agreement between you and the third-party, if you accept their terms. IBM is not responsible for the product and makes no privacy, security, performance, support, or other commitments regarding the product.

Select a location

Frankfurt (eu-de)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Summary

Cloud Native Storage and Data Service

[Estimate costs](#)

Location: Frankfurt

Plan: Hourly Pay-as-you-go

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

☐ I have read and agree to the following third party terms:

[Terms](#)

Create

Add to estimate