**HTML PAGE CODE**

<!DOCTYPE html>

<html>

<script type="text/javascript">

var delay\_time=5000; //CONTROLS THE DELAY FOR BUTTON DEBOUNCE

var LeftFlag=false;

var RightFlag=false;

var ForwardFlag=false;

var BackwardFlag=false;

function HUMID\_TEMP(){

var request=new XMLHttpRequest();

nocache ="&nocache="+ Math.random() \* 1000000;

request.onreadystatechange = function() {

if (this.readyState == 4 && this.status == 200) {

// Typical action to be performed when the document is ready:

if(this.responseText!=null)

{var mydata=this.responseText;

var sensorvalue=mydata.split(",");

document.getElementById("humid").innerHTML ="RELATIVE HUMIDITY:"+sensorvalue[0]+"%";

document.getElementById("temp").innerHTML ="TEMPERATURE(Celsius):"+sensorvalue[1];

}

}

};

request.open("GET", "temp\_humid"+nocache, true);

request.send();

setTimeout("HUMID\_TEMP()",30000);

}

var delay\_time=5000; //CONTROLS THE DELAY FOR BUTTON DEBOUNCE

//var ctr=0;

function SENSOR\_VALUE(){

// document.getElementById("FRONT").innerHTML ="GAP:"+ctr+"cm";

// document.getElementById("BACK").innerHTML ="GAP:"+ctr+"cm";

// document.getElementById("LEFT").innerHTML ="GAP:"+ctr+"cm";

// document.getElementById("RIGHT").innerHTML ="GAP:"+ctr+"cm";

// ctr+=1;

//cosnole.log("HELLO");

//document.getElementById("FRONT").innerHTML="FORWARD";

var request=new XMLHttpRequest();

nocache ="&nocache="+ Math.random() \* 1000000;

request.onreadystatechange = function() {

if (this.readyState == 4 && this.status == 200) {

// Typical action to be performed when the document is ready:

if(this.responseText!=null)

{var mydata=this.responseText;

var sensorvalue=mydata.split(",");

if(sensorvalue[0]<30)

{document.getElementById("FRONT").innerHTML ="GAP:"+sensorvalue[0]+"cm";

document.getElementById("FRONT").style.color='red';}

else

{document.getElementById("FRONT").innerHTML ="GAP:"+sensorvalue[0]+"cm";

document.getElementById("FRONT").style.color='green';}

if(sensorvalue[1]<30)

{document.getElementById("BACK").innerHTML ="GAP:"+sensorvalue[1]+"cm";

document.getElementById("BACK").style.color='red';}

else

{document.getElementById("BACK").innerHTML ="GAP:"+sensorvalue[1]+"cm";

document.getElementById("BACK").style.color='green';}

// document.getElementById("LEFT").innerHTML ="GAP:"+sensorvalue[2]+"cm";

// document.getElementById("RIGHT").innerHTML ="GAP:"+sensorvalue[3]+"cm";

}

}

};

request.open("GET", "sensorval"+nocache, true);

request.send();

setTimeout("SENSOR\_VALUE()",15000);

}

function FORWARD(){

//document.getElementById("FRONT").innerHTML="FORWARD";

SENSOR\_VALUE(); //GET THE SENSOR VALUE FIRST

var request=new XMLHttpRequest();

nocache ="&nocache="+ Math.random() \* 1000000;

request.onreadystatechange = function() {

if (this.readyState == 4 && this.status == 200) {

if(this.responseText!=null)

{document.getElementById("STATUS").innerHTML="STATUS: "+this.responseText;}

}

};

request.open("GET", "forward"+nocache, true);

request.send();

setTimeout("delay()",delay\_time);

}

function BACKWARD(){

//document.getElementById("BACK").innerHTML="BACKWARD";

SENSOR\_VALUE(); //GET THE SENSOR VALUE FIRST

var request=new XMLHttpRequest();

nocache ="&nocache="+ Math.random() \* 1000000;

request.onreadystatechange = function() {

if (this.readyState == 4 && this.status == 200) {

if(this.responseText!=null)

{document.getElementById("STATUS").innerHTML="STATUS: "+this.responseText;}

}

};

request.open("GET", "backward"+nocache, true);

request.send();

setTimeout("delay()",delay\_time);

}

function LEFT(){

//document.getElementById("LEFT").innerHTML="LEFTWARD";

SENSOR\_VALUE(); //GET THE SENSOR VALUE FIRST

var request=new XMLHttpRequest();

nocache ="&nocache="+ Math.random() \* 1000000;

request.onreadystatechange = function() {

if (this.readyState == 4 && this.status == 200) {

if(this.responseText!=null)

{document.getElementById("STATUS").innerHTML="STATUS: "+this.responseText;}

}

};

request.open("GET", "left"+nocache, true);

request.send();

setTimeout("delay()",delay\_time);

}

function RIGHT(){

//document.getElementById("RIGHT").innerHTML="RIGHTWARD";

SENSOR\_VALUE(); //GET THE SENSOR VALUE FIRST

var request=new XMLHttpRequest();

nocache ="&nocache="+ Math.random() \* 1000000;

request.onreadystatechange = function() {

if (this.readyState == 4 && this.status == 200) {

if(this.responseText!=null)

{document.getElementById("STATUS").innerHTML="STATUS: "+this.responseText;}

}

};

request.open("GET", "right"+nocache, true);

request.send();

setTimeout("delay()",delay\_time);

}

function delay()

{

return 0;

}

function INIT()

{

SENSOR\_VALUE();

HUMID\_TEMP();

}

</script>

<head>

<title>BOT SERVER CONTROL</title>

</head>

<body onload="INIT();">

<div style="position:absolute;left:20px">

<h1 > BOT CONTROL </h1>

<p id="STATUS"> STATUS: </p>

</div>

<div style="position:absolute; top: 120px;left: 50px;">

<p id="FRONT"> GAP:</p>

<p><input type="button" onclick="FORWARD();" value="FORWARD"></p>

</div>

<div style="position:absolute; top: 200px;">

<p id="LEFT"> GAP:</p>

<p><input type="button" onclick="LEFT();" value="LEFT"></p>

</div>

<div style="position:absolute; top: 200px; left: 150px;">

<p id="RIGHT"> GAP:</p>

<p><input type="button" onclick="RIGHT();" value="RIGHT"></p>

</div>

<div style="position:absolute; top: 300px; left: 50px;">

<p id="BACK"> GAP:</p>

<p><input type="button" onclick="BACKWARD();"value="BACKWARD"></p>

</div>

<div style="position:absolute; top: 400px; left: 50px;">

<p id="humid"> RELATIVE HUMIDITY:</p>

<p id="temp"> TEMPERATURE(Celsius):</p>

</div>

</body>

</html>