**PROJECT TITLE: AIR QUALITY MONITORING**

**NAME :** KARTHIK K

**REG NO** : 953021106032

**COLLEGE CODE :** 9530

**COLLEGE NAME :** ST.MOTHER THERESA ENGINEERING COLLEGE

**TEAM CODE : proj\_201035\_Team\_1**

PROGRAM**:**

<!DOCTYPE html>

<html>

<head>

<title>Air Quality Monitoring System</title>

<style>

</style>

</head>

<body>

<h1>Air Quality Monitoring System</h1>

<div id="sensor-data">

<h2>Sensor Data:</h2>

<p>Temperature: <span id="temperature">N/A</span> °C</p>

<p>Humidity: <span id="humidity">N/A</span>%</p>

<p>PM2.5: <span id="pm25">N/A</span> µg/m³</p>

<p>PM10: <span id="pm10">N/A</span> µg/m³</p>

</div>

<script>

function generateRandomSensorData() {

return {

temperature: (Math.random() \* 40 + 10).toFixed(2),

humidity: (Math.random() \* 60 + 20).toFixed(2),

pm25: (Math.random() \* 50 + 5).toFixed(2),

pm10: (Math.random() \* 100 + 10).toFixed(2)

};

}

function updateSensorData() {

const sensorData = generateRandomSensorData();

document.getElementById('temperature').textContent = sensorData.temperature;

document.getElementById('humidity').textContent = sensorData.humidity;

document.getElementById('pm25').textContent = sensorData.pm25;

document.getElementById('pm10').textContent = sensorData.pm10;

}

setInterval(updateSensorData, 2000);

updateSensorData();

</script>

</body>

</html>