ENVIRONMENTAL MONITORING SYSTEM USING IOT

TO DEVELOP THE WEBSITE PLATFORM:

```javascript
const express = require('express');

const app = express();

const port = 3000;


// Serve static files (HTML, CSS, JavaScript)

app.use(express.static('public'));


// Endpoint to provide fixed temperature and humidity data

app.get('/api/data', (req, res) => {

   const data = {

      temperature: 24.0,

      humidity: 40.0,

   };

   res.json(data);

});


app.listen(port, () => {

   console.log(`Server is running on port ${port}`);

});
```

```html
<!DOCTYPE html>

<html>

<head>

   <title>Real-Time Environment Data</title>

</head>

<body>

   <h1>Real-Time Environment Data</h1>

   <div>
```

```html
    <p>Temperature: <span id="temperature">Loading...</span></p>
    <p>Humidity: <span id="humidity">Loading...</span></p>
  </div>
  <script>
    const temperatureElement = document.getElementById('temperature');
    const humidityElement = document.getElementById('humidity');


    // Function to fetch real-time data and update the web page
    function updateData() {
      fetch('/api/data')
        .then(response => response.json())
        .then(data => {
          temperatureElement.textContent = data.temperature + ' °C';
          humidityElement.textContent = data.humidity + '%';
        })
        .catch(error => {
          console.error('Failed to fetch data:', error);
        });
    }


    // Periodically update data (e.g., every 5 seconds)
    setInterval(updateData, 5000);
  </script>
</body>
</html>
node server.js
```

OUTPUT:

Real-Time Environment Data

Temperature: Loading...

Humidity: Loading...

node server.js