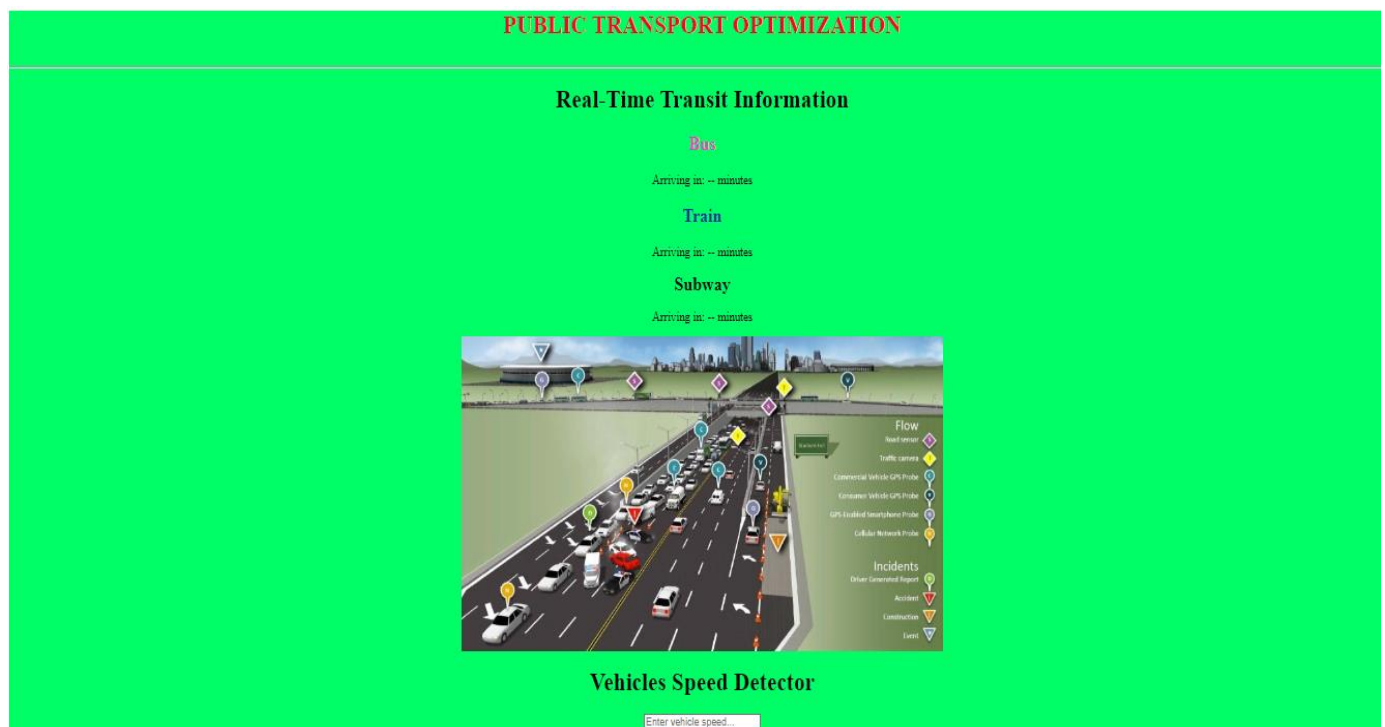# TITLE: PUBLIC TRANSPORT OPTIMIZATION

Phase 4:Development   part-2

In this part you will continue building your project.
- Continue building the project by developing the real-time transit information platform.
- Use web development technologies (e.g., HTML, CSS, JavaScript) to create a platform that displays real-time transit information.
- Design the platform to receive and display real-time location, ridership, and arrival time data from IoT sensors.

Public transport optimization (website design)

Code:

//html code

<!DOCTYPE html>

<center>

```html
<html>
<head>
  <title>Real-Time Transit Information</title>
</head>
<body>
  <div style="background-color: 00FF66;">
   <header>
     <h1>
       <center>
         <b>
           <p style="color: FF0033;">
           PUBLIC TRANSPORT OPTIMIZATION</p>
         </b>
       </center>
     </h1>
   </header>
   <hr>
  <div id="header">
   <h1>Real-Time Transit Information</h1>
  </div>
  <div id="content">
   <div id="transit-info">
    <div class="card">
     <h2><p style="color:FF33CC;">Bus</h2>
     <p>Arriving in:  <span id="bus-arrival">--</span> minutes</p>
    </div>
    <div class="card">
     <h2><p style="color: 003399;">Train</h2>
     <p>Arriving in:  <span id="train-arrival">--</span> minutes</p>
```

```html
      </div>
      <div class="card">
        <h2>Subway</h2>
        <p>Arriving in:  <span id="subway-arrival">--</span> minutes</p>
      </div>
    </div>
    <aside>
        <img src="image1.jpg">
    </aside>
<center>
    <title>Vehicles Speed Detector</title>


    <h1>Vehicles Speed Detector</h1>


    <input type="number" id="speed-input" placeholder="Enter vehicle speed...">


    <div id="speed-result">
        <br>
        <button style ="size: 30dt; align-items: center;">
          Submit
    </div>
</div>
</center>
</button>
</div>
</center>
</div>
</body>
</body>
```

```
</html>
```

```css
/* CSS styling for the page */
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
}
#speed-input {
    margin: 20px 0;
    display: block;
}
#speed-result {
    margin-top: 20px;
}
.speed-info {
    margin-bottom: 10px;
    padding: 10px;
    background-color: #f0f0f0;
    border-radius: 5px;
}
```

//CSS code

```css
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
```

```css
        }
        #header {
          background-color: #333;
          color: #fff;
          padding: 10px;
        }
        #header h1 {
          margin: 0;
        }
        #content {
          padding: 10px;
        }
        #transit-info {
          display: grid;
          grid-template-columns: repeat(3, 1fr);
          gap: 10px;
        }
        .card {
          background-color: #f2f2f2;
          padding: 10px;
    }
```

//javaScript code

```javascript
    // TODO: Implement real-time transit information using JavaScript
```