

AIM:

To design and develop an Online Bus Pass Application System webpage using HTML and CSS featuring navigation links, image hotspots, and an embedded map of Tamil Nadu.

ALGORITHM:

1. Create the basic HTML structure with `<!DOCTYPE html>`, `<html>`, `<head>`, and `<body>` tags.
2. Add the page title and write internal CSS to style the header, navigation bar, panels, image, and footer.
3. Design a header section displaying the title “Online Bus Pass Application System”.
4. Create a navigation bar with hyperlinks for Home, Bus Routes, and Bus Stops that load in the iframe.
5. Use a flex container to divide the webpage into left and right panels.
6. Insert an image with defined hotspots linking to Tamil Nadu State Transport Corporation and embed a map of Tamil Nadu using Google Maps.
7. Add a footer section, save the file with .html extension, and open it in a browser to view the output.

PROGRAM:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Online Bus Pass Application System</title>
```

```
<style>

body {
    margin: 0;
    font-family: Arial, Helvetica, sans-serif;
    background-color: #f4f6f9;
}

header {
    background: #1e88e5;
    color: white;
    padding: 15px;
    text-align: center;
}

nav {
    background: #0d47a1;
    padding: 10px;
    text-align: center;
}

nav a {
    color: white;
    text-decoration: none;
    margin: 0 15px;
    font-weight: bold;
}
```

```
nav a:hover {  
    text-decoration: underline;  
}
```

```
.container {  
    display: flex;  
    padding: 20px;  
    gap: 20px;  
}
```

```
.left-panel, .right-panel {  
    background: white;  
    padding: 15px;  
    border-radius: 8px;  
    box-shadow: 0 2px 5px rgba(0,0,0,0.1);  
}
```

```
.left-panel {  
    width: 30%;  
    text-align: center;  
}
```

```
.right-panel {  
    width: 70%;  
}
```

```
iframe {
    width: 100%;
    height: 400px;
    border: none;
    border-radius: 5px;
}

img {
    width: 300px;
    height: 200px;
    border: 2px solid #333;
}

footer {
    text-align: center;
    padding: 10px;
    background: #e3e3e3;
    margin-top: 20px;
}

</style>
</head>

<body>

<header>
    <h1>Online Bus Pass Application System</h1>
</header>
```

```
<nav>
  <a href="https://www.openstreetmap.org" target="display">Home</a>
  <a href="https://www.openstreetmap.org/search?query=bus%20route"
target="display">Bus Routes</a>
  <a href="https://www.openstreetmap.org/search?query=bus%20stop"
target="display">Bus Stops</a>
</nav>

<div class="container">

  <!-- LEFT PANEL -->
  <div class="left-panel">
    <h3>Bus Route Map (Hotspots)</h3>

    <!-- IMAGE MUST BE 300x200 -->
    

    <map name="busmap">
      <!-- Route 1 -->
      <area shape="rect"
        coords="10,10,140,90"
        href="https://www.tnpsc.in/OTRSOnline/"
        target="display"
        alt="Route 1"
        title="Route 1">

      <!-- Route 2 -->
```

```
<area shape="circle"
      coords="220,120,35"

      href="https://www.openstreetmap.org/search?query=bus%20stop"
      target="display"
      alt="Route 2"
      title="Route 2">

</map>
```

<p>Tip: Click the top-left rectangle or bottom-right circle</p>

```
</div>
```

```
<!-- RIGHT PANEL -->
```

```
<div class="right-panel">
  <h3>Map Display</h3>
```

```
  <iframe
    src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d40129
    24.123838464!2d78.28976490000001!3d10.82116634999999!2m3!1f0!2f0
    !3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x3b00c582b1189633%3A0x559
    475cc463361f0!2sTamil%20Nadu!5e0!3m2!1sen!2sin!4v1770696818433!5
    m2!1sen!2sin" width="600" height="450" style="border:0;"
```

allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

```
</div>
```

```
</div>
```

```
<footer>
```

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</footer>

</body>

</html>

OUTPUT:

Online Bus Pass Application System

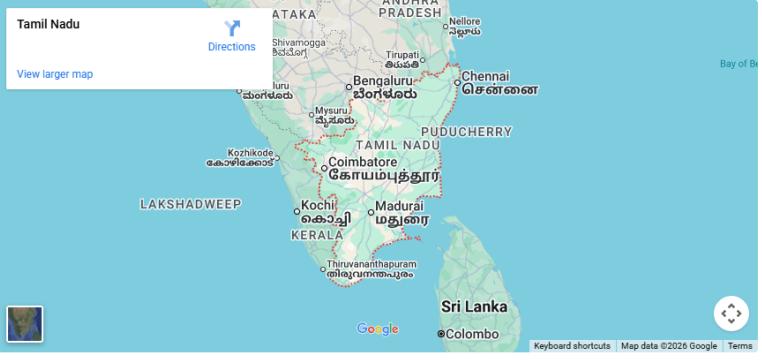
Home Bus Routes Bus Stops

Bus Route Map (Hotspots)



Tip: Click the top-left rectangle or bottom-right circle.

Map Display



RESULT:

The Online Bus Pass Application webpage was created successfully and executed with working navigation links, image hotspots, and embedded map display.