**PSG COLLEGE OF TECHNOLOGY, COIMBATORE – 641 004**

**Department of Applied Mathematics and Computational Sciences**

**MSc SOFTWARE SYSTEMS – Semester IV**

**20XW48 – Web Designing Lab**

**PROBLEM SHEET**

1. Write a HTML code to use <canvas> element to draw rectangle with different color models.

<html>

<body>

<canvas id="canvas1" width="200" height="100" style="border:1px solid #000000;"></canvas>

<canvas id="canvas2" width="200" height="100" style="border:1px solid #e74e93;"></canvas>

<canvas id="canvas3" width="100" height="50" style="border:1px solid #bfeeea;"></canvas>

</body>

</html>

1. Create a page to show the usage of <mark> element in highlighting the contents.

<html>

<body>

<p>Hello world, this is a <mark>sample page</mark> for the worksheet.

</body>

</html>

1. Create a simple search form using a search input element in which the user can enter a search query. Using the Firefox web browser, test the form by entering January and submitting the form. Then enter a **J** in the input element to see previous entries that started with J—January should be displayed below the input element. Enter June and submit the form again. Now enter a **J** in the input element to see previous entries that started with J—January and June

Should be displayed below the input element. Try this with your own search queries as well.

<html>

<body>

<form action="/form/submit" method="GET">

<input type="text" name="search" class="search" placeholder="Search...">

<input type="submit" name="submit" class="submit" value="Search">

</form>

</body>

</html>

1. Write a HTML file to implement various date picker controls and align the controls in the center of the page.

<html>

<body>

<form>

    <label> Select date </label>

    <input type="date" >

    <button>Submit</button>

    <br>

    <label> Select date (year from 2003-2021) </label>

    <input type="date" min="2003-01-01" max="2021-12-31">

    <button>Submit</button>

    <br>

    <label> Select date (DOMString) </label>

    <input type="date" value="2002-06-26">

    <button>Submit</button>

    <br>

    <label> Select date ( 7 days increment) </label>

    <input type="date" min="2021-09-20" step="7">

</form>

</body>

</html>

1. Using <iframe> and split the page into multiple sections and set the sources. One of section in the page should restrict plugins and scripts.

<html>

    <style>

        .genshin{

            display: flex;

            height: 100%;

        }

    </style>

    <body>

        <div class = "genshin">

            <iframe src="kaeya.html" width="50%" sandbox></iframe>

            <iframe src="beidou.html" width="50%"></iframe>

        <div>

    </body>

</html>

1. Design a web page to render different 2D Graphics objects (Circle, Rectangle, Line, Ellipse, Polygon, Polyline and Gradients).

<html>

    <body>

        <svg id="triangle1" width="300" height="300">

            <polygon points="100, 20 200,180 100,200" style="fill:rgb(162, 255, 162);">

        </svg>

        <svg id="rectangle1" width="300" height="300">

            <polygon points="100, 20 200,20 200,180 100,180 100,200" style="fill:rgb(111, 226, 255);">

        </svg>

        <br>

        <svg id="svgelem" width="300" height="300" xmlns="http://www.w3.org/2000/svg">

            <polyline points="0,0 0,20 20,20 20,40 40,40 40,60" style="fill:rgb(196, 144, 212);"/>

        </svg>

     </body>

</html>

1. Design a web page for audio album list to play different types audio files.

<html>

    <body>

        <audio controls>

            <source src="love-talk.mp3" type="audio/mpeg">

            <source src="red-lights.mp3" type="audio/mpeg">

            <source src="nectar.mp3" type="audio/mpeg">

            <source src="love-on-the-floor.mp3" type="audio/mpeg">

            <source src="make-a-wish-english-version.mp3" type="audio/mpeg">

          </audio>

    </body>

</html>