



RAJALAKSHMI ENGINEERING COLLEGE

An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

ACADEMIC YEAR 2024-2025 ODD SEMESTER



CD23332

LAB MANUAL

SECOND YEAR

THIRD SEMESTER

2024- 2025

ODD SEMESTER

List of Experiments	
1	Design to teach mathematics to the children of 4-5 years age in school in Rural sector
2	Design to help people to sell their handmade products in metro cities
3	Design a social media website and chat
4	Design a publication that support different languages
5	Design a publication that tells comic stories
6	Design an advertisement for mobile company
7	Design an advertisement for any political party with images
8	Design an advertisement for electronic products
9	Design an advertisement for food products
10	Design an interactive website for new institution
11	Design a blog that publish educational post
12	Design an interactive website for hospital management system
13	Design an interactive website for food selling app
Requirements	
Hardware	Intel i3 or AMD processor with 64-bit support; 2 GHz or faster processor with SSE 4. or later- 8 GB RAM -Windows 10 64-bit (version 1909) or later - 1.5 GB of GPU memory -4 GB of hard-disk space Figma, Adobe Photoshop, HTML and CSS
Software	Windows
Operating System	

LAB PLAN

CD23332-DESIGN PROCESSES AND PERSPECTIVES LAB

Exercise no.	Exercise Name	Required Hours
1	Design to teach mathematics to the children of 4-5 years age in school in Rural sector	3
2	Design to help people to sell their handmade products in metro cities	6
3	Design a social media website and chat	3
4	Design a publication that support different languages	3
5	Design a publication that tells comic stories	3
6	Design an advertisement for mobile company	3
7	Design an advertisement for any political party with images	9
8	Design an advertisement for electronic products	6
9	Design an advertisement for food products	6
10	Design an interactive website for new institution	6
	Design a blog that publish educational post	
12	Design an interactive website for hospital management system.	3
13	Design an interactive website for food setting app.	3

Course Outcomes (COs)

Course Name: Design Processes and Perspectives

Course Code: CD19341

Outcome 1	Understand the various graphic design thinking process and phases
Outcome 2	Analyze and choose between various visual components
Outcome 3	Designing and communicating visual components
Outcome 4	Apply design concepts for media publishing and advertising
Outcome 5	Create website using different design concepts

CO-PO –PSO matricesofcourse

PO/PSO CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
CD19341.	3	1	3	2	3	2	3	2	1	1	1	3	1	3	1
1	3	-	3	-	3	-	-	-	-	1	1	1	1	3	1
CD19341.	3	3	3	2	3	-	-	-	-	-	-	1	1	3	2
2	1	3	3	3	3	3	2	2	2	2	2	2	1	3	3
CD19341.	1	3	3	3	3	3	2	2	2	2	2	2	1	3	3
3	2.2	2.0	3.0	2.0	3.0	1.6	1.4	1.0	1.0	1.0	1.2	1.8	1.0	3.0	2.0

CD19341.

4

CD19341.

5 Average

Note: Enter correlation levels 1,2 or 3 as defined below:

1: Slight(Low) 2: Moderate(Medium) 3: Substantial(High) If there is no correlation, put “-“

Expt. No.:1

Date:

Design to teach mathematics to the children of 4-5 years age in school in Rural sector

Aim: To design a user interface for teaching mathematics to the children of 4-5 years age in school in the rural sector.

Tools: Figma, Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used.
4. Buttons and attractive fonts have been used.
5. Proper navigation should be done to move from one page to another.
6. Login page has to be included.

Output:

Result:



Expt. No.:2

Date:

Design to help people to sell their handmade products in metro cities

AIM: To Design an UI that can help people to sell their handmade products in metro cities

Tools: Figma, Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used.
4. Buttons and attractive fonts have been used.
5. Proper navigation should be done to move from one page to another.
6. Login page has to be included.

Output:

Result:



Expt. No.:3

Date:

Design a social media website and chat

Aim: To design a user interface for teaching mathematics to the children of 4-5 years age in school in the rural sector.

Tools: Figma, Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used
4. Buttons and attractive fonts have been used
5. Proper navigation should be done to move from one page to another
6. Login page has to be included

Output:

Result:



Expt. No.:4

Date:

Design a publication that support different languages

Aim: To design a publication that support different language

Tools: Adobe Photoshop

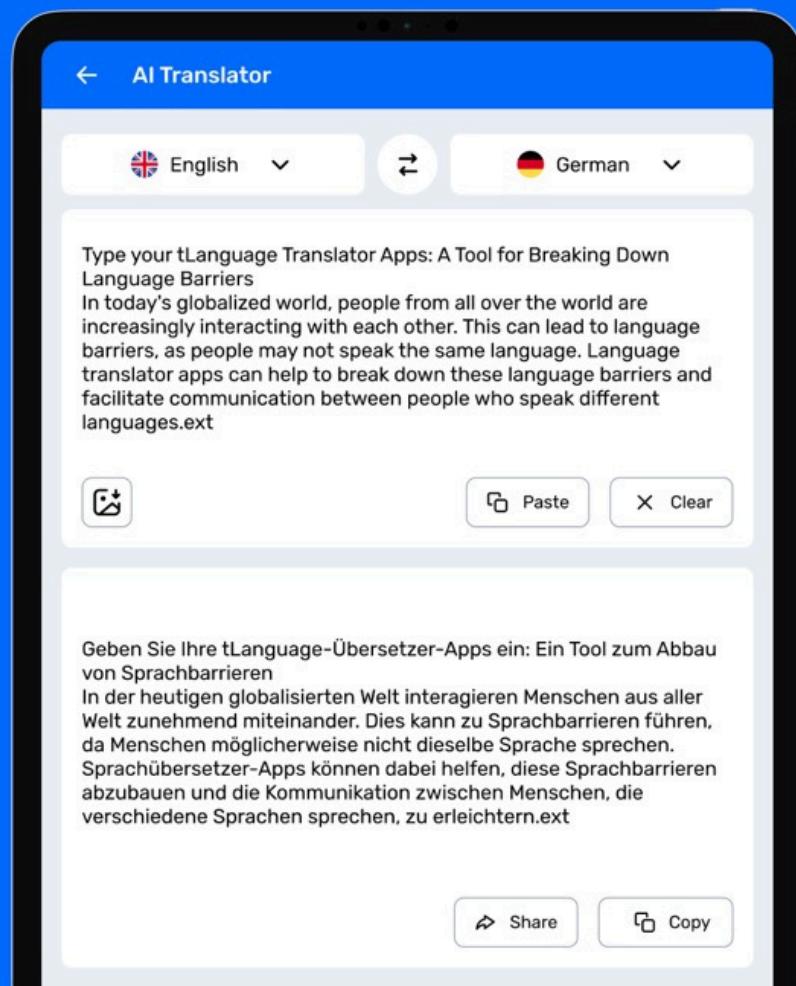
Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used
4. Use different languages to display the content.
5. Use images that support the content.
6. Align white spaces between the contents.

Output:

Result:

Communicate in 100 + languages



Expt. No.:5

Date:

Design a publication that tells comic stories

Aim: To design a Publication That Tells Comic Stories

Tools: Adobe Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used.
4. Use different languages to display the content.
5. Use images that support the content.
6. Align white spaces between the contents.

Output:

Result:



Read ▾ About ▾ Experience ▾ Shop ▾ Sign Up! ▾

f i t y d

Welcome to the World of Two Moons

A well told and
exquisitely
illustrated story that
should be in every teen
and graphic novel
collection

School Library Journal

Comics don't get more
professionally made
than ElfQuest

Cultured Vultures



Expt. No.:6

Date:

Design an advertisement for mobile company

Aim: To design an advertisement for mobile company

Tools: Adobe Photoshop, Canva

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used
4. Images that support the context must be placed.
5. Written context must be emphasized.
6. Appropriate color palette must be used.

Output:

Result:

NEW AND MODERN
SMARTPHONE

TODAY IS THE LAST OFFER

ONLY
\$25

SHOP NOW

Call For Delivery
123 456 7890

Expt. No.:7

Date:

Design an advertisement for any political party with images

Aim: To design an advertisement for any political party with images

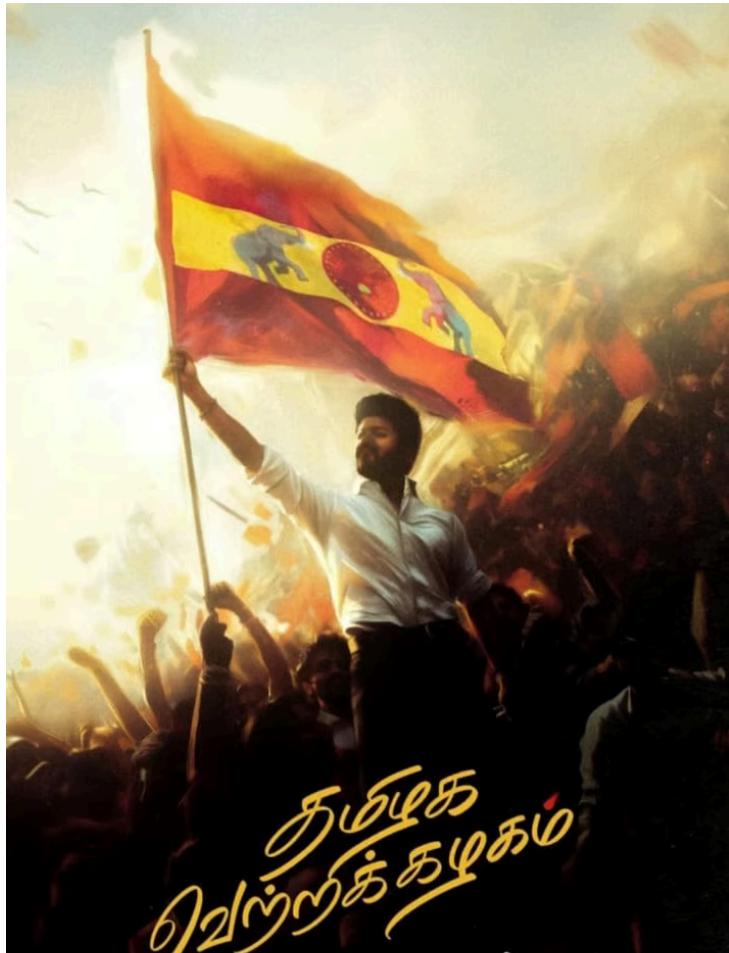
Tools: Adobe Photoshop, Canva.

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used.
4. Images that support the context must be placed.
5. Written context must be emphasized.
6. Appropriate color palette must be used.

Output:

Result:



தமிழக
பொறுத்துக்கும்

Expt. No.:8

Date:

Design an advertisement for electronic products

Aim: To design an advertisement for electronic products

Tools: Adobe Photoshop, Canva

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used .
4. Images that support the context must be placed.
5. Written context must be emphasized.
6. Appropriate color palette must be used.

Output:

Result:

ELECTRONIC *Sale!*

Experience upto
30%
DISCOUNT



We DELIVER

0100 200 300

www.younishop.com

Udidi avenue, 4th street, Opp Blue car wash

Expt. No.:9

Date:

Design an advertisement for food products

Aim: To design an advertisement for food products

Tools: Adobe Photoshop, Canva

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used .
4. Images that support the context must be placed.
5. Written context must be emphasized.
6. Appropriate color palette must be used.

Output:

Result:



WHEN LIFE
GIVES YOU
MUSHROOM
MAKE
ROOM FOR
THE DELICACY



FOR FREE DELIVERY
+0 123 456 789



Expt. No.:10

Date:

Design an interactive website for new institution

Aim: To design interactive website for new institution

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.
2. Craft a style sheet for better design.
3. Include the link of the stylesheet to the HTML file.
4. Assign a title for each page.
5. Add the required styles and attributes for the HTML tags.
6. Include action tag to navigate from one page to another.

Output:

Result:

```
/* Reset */
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body {
    font-family: Arial, sans-serif;
    color: #333;
    line-height: 1.6;
}

/* Header */
header {
    background-color: #ff6347;
    padding: 1em 0;
    color: #fff;
}

header .container {
    display: flex;
    justify-content: space-between;
    align-items: center;
}

header h1 {
    font-size: 1.5em;
}

header nav ul {
    list-style: none;
    display: flex;
}

header nav ul li {
    margin-left: 1.5em;
}

header nav ul li a {
    color: #fff;
    text-decoration: none;
    font-weight: bold;
}

/* Hero Section */
.hero {
    background: url('images/food-bg.jpg') no-repeat center center/cover;
```

```
height: 60vh;
display: flex;
justify-content: center;
align-items: center;
color: #fff;
text-align: center;
}
```

```
.hero-text {
max-width: 600px;
}
```

```
.hero-text h2 {
font-size: 2.5em;
margin-bottom: 0.5em;
}
```

```
.hero-text p {
font-size: 1.2em;
margin-bottom: 1em;
}
```

```
.btn {
display: inline-block;
background-color: #ff6347;
color: #fff;
padding: 0.8em 1.5em;
text-decoration: none;
border-radius: 5px;
transition: background-color 0.3s ease;
}
```

```
.btn:hover {
background-color: #ff2e00;
}
```

```
/* Menu Section */
.menu {
padding: 2em;
background-color: #f8f8f8;
text-align: center;
}
```

```
.menu h2 {
font-size: 2em;
margin-bottom: 1em;
}
```

```
.menu-items {  
    display: flex;  
    justify-content: center;  
    gap: 2em;  
    flex-wrap: wrap;  
}
```

```
.item {  
background-color: #fff;  
border: 1px solid #ddd;  
border-radius: 5px;  
padding: 1em;  
width: 250px;  
text-align: center;  
}
```

```
.item img {  
width: 100%;  
border-radius: 5px;  
}
```

```
.item h3 {  
font-size: 1.2em;  
margin: 0.5em 0;  
}
```

```
.item p {  
font-size: 1.1em;  
color: #666;  
}
```

```
/* Footer */  
footer {  
background-color: #333;  
color: #fff;  
padding: 1em 0;  
text-align: center;  
}
```

Expt. No.:11

Date:

Design A Blog That Publish Educational Post

Aim: To design a blog that publishes educational post

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.
2. Craft a style sheet for better design.
3. Include the link of the stylesheet to the HTML file.
4. Assign a title for each page.
5. Add the required styles and attributes for the HTML tags.
6. Include action tag to navigate from one page to another.

Output:

Result:

```
/* Reset */
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body {
    font-family: Arial, sans-serif;
    color: #333;
    line-height: 1.6;
}

/* Header */
header {
    background-color: #4CAF50;
    padding: 1em 0;
    color: #fff;
}

header .container {
    display: flex;
    justify-content: space-between;
    align-items: center;
}

header h1 {
    font-size: 1.8em;
}

header nav ul {
    list-style: none;
    display: flex;
}

header nav ul li {
    margin-left: 1.5em;
}

header nav ul li a {
    color: #fff;
    text-decoration: none;
    font-weight: bold;
}

/* Hero Section */
.hero {
    background: url('images/institution-bg.jpg') no-repeat center center/cover;
```

```
height: 60vh;
display: flex;
justify-content: center;
align-items: center;
color: #fff;
text-align: center;
}
```

```
.hero-text h2 {
font-size: 2.5em;
margin-bottom: 0.5em;
}
```

```
.hero-text p {
font-size: 1.2em;
margin-bottom: 1em;
}
```

```
.btn {
display: inline-block;
background-color: #4CAF50;
color: #fff;
padding: 0.8em 1.5em;
text-decoration: none;
border-radius: 5px;
transition: background-color 0.3s ease;
}
```

```
.btn:hover {
background-color: #388E3C;
}
```

```
/* Section Styling */
section {
padding: 2em;
text-align: center;
}
```

```
.about, .courses, .faculty, .contact {
background-color: #f8f8f8;
margin: 1em 0;
}
```

```
.course-list, .faculty-list {
display: flex;
justify-content: center;
gap: 2em;
flex-wrap: wrap;
```

```
.course, .faculty-member {  
    background-color: #fff;  
    border: 1px solid #ddd;  
    border-radius: 5px;  
    padding: 1em;  
    width: 250px;  
    text-align: center;  
}
```

```
.faculty-member img {  
    width: 100px;  
    border-radius: 50%;  
}
```

```
.contact form {  
    display: flex;  
    flex-direction: column;  
    gap: 0.5em;  
    max-width: 400px;  
    margin: 0 auto;  
}
```

```
.contact input, .contact textarea {  
    padding: 0.5em;  
    border-radius: 5px;  
    border: 1px solid #ddd;  
}
```

```
.contact button {  
background-color: #4CAF50;  
    color: #fff;  
    padding: 0.8em;  
    border: none;  
    border-radius: 5px;  
    cursor: pointer;  
}
```

```
.contact button:hover {  
background-color: #388E3C;  
}
```

```
/* Footer */  
footer {  
background-color: #333;  
    color: #fff;  
    padding: 1em 0;  
    text-align: center;  
}
```

Expt. No.:12

Date:

Design An Interactive Website For Hospital Management System

Aim: To design interactive website for hospital management system

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.
2. Craft a style sheet for better design.
3. Include the link of the stylesheet to the HTML file.
4. Assign a title for each page.
5. Add the required styles and attributes for the HTML tags.
6. Include action tag to navigate from one page to another.

Output:

Result:

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Hospital Management System</title>
    <link rel="stylesheet" href="styles.css">
    </head>
    <body>
        <!-- Header Section -->
        <header>
            <h1>Hospital Management System</h1>
            <nav>
                <ul>
                    <li><a href="#">Home</a></li>
                    <li><a href="#appointments">Appointments</a></li>
                    <li><a href="#patients">Patients</a></li>
                    <li><a href="#doctors">Doctors</a></li>
                </ul>
            </nav>
        </header>

        <!-- Hero Section -->
        <section class="hero">
            <h2>Welcome to the Hospital Management System</h2>
<p>Your health is our priority. Easily book appointments, view medical records, and manage your healthcare.</p>
        </section>

        <!-- Appointment Section -->
        <section id="appointments">
            <h2>Book an Appointment</h2>
            <form id="appointment-form">
                <label for="patient-name">Your Name:</label>
<input type="text" id="patient-name" name="patient-name" required><br>

                <label for="doctor-select">Select Doctor:</label>
                <select id="doctor-select" name="doctor" required>
                    <option value="Dr. Smith">Dr. Smith - Cardiologist</option>
                    <option value="Dr. Johnson">Dr. Johnson - Dermatologist</option>
                    <option value="Dr. Lee">Dr. Lee - Neurologist</option>
                </select><br>

                <label for="appointment-date">Select Date:</label>
<input type="date" id="appointment-date" name="date" required><br>

                <button type="submit">Book Appointment</button>
            </form>
        </section>
    </body>

```

```
</form>

<div id="registration-confirmation"></div>
</section>

<!-- Doctors Section -->
<section id="doctors">
<h2>Our Doctors</h2>
<ul>
<li>Dr. Smith - Cardiologist</li>
<li>Dr. Johnson - Dermatologist</li>
<li>Dr. Lee - Neurologist</li>
</ul>
</section>

<!-- Footer Section -->
<footer>
<p>&copy; 2024 Hospital Management System</p>
</footer>

<script src="scripts.js"></script>
</body>
</html>
```

Expt. No.:13

Date:

Design An Interactive Website For Food Selling App

Aim: To design a interactive website for food selling app

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.
2. Craft a style sheet for better design.
3. Include the link of the stylesheet to the HTML file.
4. Assign a title for each page.
5. Add the required styles and attributes for the HTML tags.
6. Include action tag to navigate from one page to another.

Output:

Result

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
        <title>Food Selling App</title>
        <link rel="stylesheet" href="styles.css">
    </head>
    <body>
        <!-- Header Section -->
        <header>
            <div class="logo">Foodie App</div>
            <nav>
                <ul>
                    <li><a href="#home">Home</a></li>
                    <li><a href="#menu">Menu</a></li>
                    <li><a href="#about">About</a></li>
                    <li><a href="#contact">Contact</a></li>
                    <li><a href="#cart" id="cart-link">Cart (0)</a></li>
                </ul>
            </nav>
        </header>

        <!-- Home Section -->
        <section id="home" class="hero">
            <h2>Welcome to Foodie App</h2>
            <p>Delicious meals delivered to your doorsteps!</p>
        </section>

        <!-- Menu Section -->
        <section id="menu" class="menu">
            <h2>Our Menu</h2>
            <div class="food-item" id="food1">
                
                <h3>Pizza</h3>
                <p>A delicious cheese and tomato pizza.</p>
                <span class="price">$12.99</span>
                <button class="add-to-cart">Add to Cart</button>
            </div>
            <div class="food-item" id="food2">
                
                <h3>Burger</h3>
                <p>A tasty beef burger with all the fixings.</p>
                <span class="price">$8.99</span>
                <button class="add-to-cart">Add to Cart</button>
            </div>
            <div class="food-item" id="food3">

```

```

    <h3>Pasta</h3>
    <p>Classic Italian pasta with marinara sauce.</p>
        <span class="price">$10.99</span>
    <button class="add-to-cart">Add to Cart</button>
        </div>
    </section>

    <!-- About Section -->
    <section id="about">
        <h2>About Us</h2>
    <p>Foodie App is your go-to platform for delicious and quick meal delivery. We offer a variety of foods ranging from pizzas to burgers and pastas, all made with fresh ingredients and delivered to your door.</p>
    </section>

    <!-- Contact Section -->
    <section id="contact">
        <h2>Contact Us</h2>
        <form id="contact-form">
            <label for="name">Your Name:</label>
            <input type="text" id="name" name="name" required><br>

            <label for="email">Your Email:</label>
            <input type="email" id="email" name="email" required><br>

            <label for="message">Message:</label>
            <textarea id="message" name="message" required></textarea><br>

            <button type="submit">Send Message</button>
        </form>
    </section>

    <!-- Cart Section -->
    <section id="cart" class="cart">
        <h2>Your Cart</h2>
        <div id="cart-items">
            <p>No items in cart.</p>
        </div>
        <div id="cart-total">
            <p>Total: $<span id="total-price">0.00</span></p>
        </div>
    <button id="checkout-btn">Proceed to Checkout</button>
    </section>

    <!-- Footer Section -->
    <footer>
        <p>&copy; 2024 Foodie App</p>
```

```
</footer>

<script src="scripts.js"></script>
</body>
</html>
```