



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 available hard-disk space
Software	Figma, Adobe Photoshop, HTML and CSS
Operating System	Windows

LAB PLAN

CD23332-DESIGN PROCESSES AND PERSPECTIVES LAB

Exercise no.	ExerciseName	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
11	Design a blog that publish educational post	6
12	Design an interactive website for hospital management system.	3
13	Design an interactive website for food selling 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. 1	3 3	1 -	3 3	2 -	3 3	2 -	3 -	2 -	1 -	1 -	1 1	3 1	1 1	3 3	1 1
CD19341. 2	3 1	3 3	3 3	2 3	3 3	- 3	- 2	- 2	- 2	- 2	- 2	1 2	1 1	3 3	2 3
CD19341. 3	1	3	3	3	3	3	2	2	2	2	2	2	1	3	3
CD19341. 4	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. 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:

Teaching Children Mathematics



← 🔍 ⌂ 234

Can you tell the time of an electronic clock from the time of a mechanical clock?



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:

How to find your niche for handmade products



Your industry
ex- calligraphy



Your category
ex- wall art



Your subcategory
ex- Quirky
wall arts



Your audience
ex- GenZ



How you serve
audience
ex- Custom made
quirky wall art

"I make quirky calligraphy wall art for GenZ to
make their bedrooms and living rooms colourful"

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:

Marketing

About Service Product Blog Contact Us

Social Media Marketing

Sales
Lorem Ipsum is simply dummy text of the

Marketing
Lorem Ipsum is simply dummy text of the

Idia
Lorem Ipsum is simply dummy text of the

avast **BuzzFeed** **Booking.com** **Expedia** **Dispatch**

Features

lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. ut wisi enim

...

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:

The image consists of five separate promotional banners arranged side-by-side, each with a unique design and color scheme:

- Learn Languages Online:** A woman with blonde hair is shown sitting at a desk with a laptop, looking towards the camera. A large speech bubble above her contains the Union Jack flag. The text "LEARN LANGUAGES ONLINE" is written in bold, black, uppercase letters at the bottom.
- Pre-Recorded Lessons:** A woman in a yellow dress is standing next to a blue screen that displays a video of another person speaking. The video screen has a "Golden Tag" banner at the top. The text "PRE-RECORDED LESSONS" is at the top in orange, and "LOREM IPSUM" is repeated several times throughout the page.
- Podcasts:** Three icons representing different media formats are shown: a megaphone, a graduation cap, and headphones. The text "PODCASTS" is at the top in orange, and "LOREM IPSUM" is repeated several times throughout the page.
- Join Our Course Now!**: Three people of different ethnicities are standing together, holding flags of the United States, Germany, and France. The text "JOIN OUR COURSE NOW!" is written in bold, black, uppercase letters at the top. Below the banner, there are three placeholder text boxes labeled "Lorem ipsum".

Result:

Expt. No.:5

Date:

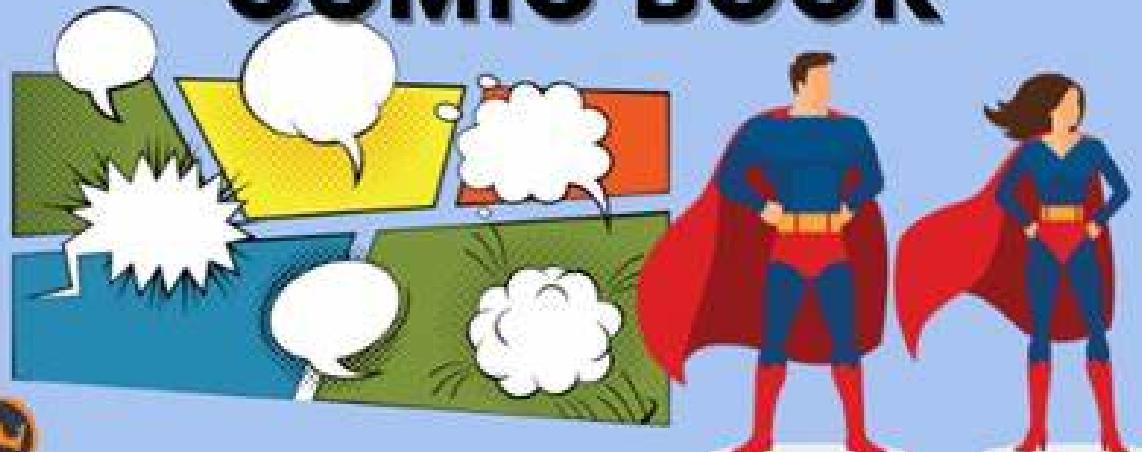
Design a publication that tells comic stories

Aim: ~~Tools Steps~~ Publication That Tells Comic Stories

1. Create ~~Adobe Photoshop~~ 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:

How to Publish a
COMIC BOOK



Result:

Expt. No.:6

Date:

Design an advertisement for mobile company

Aim: ~~To design advertisement for mobile company~~ ~~6 steps~~

1. Create ~~background~~ ~~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:

The landing page features a central smartphone displaying the app's interface with various data points and graphs. Surrounding the phone are four circular icons with text descriptions: 'Auto-updating' (refresh symbol), 'Friendly support' (globe symbol), 'Task manager' (list symbol), and 'Powerful search system' (magnifying glass symbol). Below the phone, the tagline 'Simple. Intuitive. Powerful.' is displayed. The bottom section contains two columns of features: 'Easy sharing' (QR code icon) and 'Grow your business' (small text); 'Quick comments' (comment icon) and 'Works offline' (Wi-Fi icon). At the very bottom are download links for Google Play and the App Store.

Infinite App

Auto-updating

Friendly support

Task manager

Powerful search system

Simple. Intuitive. **Powerful.**

Easy sharing

Grow your business

Quick comments

Works offline

Test now or download from

Available on the iPhone

Available on Google play

Result:

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:

Vote For Me

SLOGAN



This is a demo text
matters. Please replace
this text matters with
your Orginal text
matters.

Donald Trump
President

Result:

Expt. No.:8

Date:

Design an advertisement for electronic products

Aim: ~~Tools~~ Steps to design an advertisement for electronic products

1. Create a new Photoshop document. 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:

OPENING SALE!

FRIDAY 5 NOVEMBER 2017



BUY NOW
FOR \$190

REGISTER NOW TO GET THE **10% DISC**

CONTACT OUR DEALER

252-157335



\$190 ~~\$200~~

(Neque porro quisquam est, qui do)



\$190 ~~\$200~~

(Neque porro quisquam est, qui do)



\$190 ~~\$200~~

(Neque porro quisquam est, qui do)



1 YEAR GUARANTEE



PRICE AFFORDABLE

*Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit
consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt.*

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:

SNICKERS

ice cream



100%
PURE SNICKERS

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

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>

<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>
```