



# **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**



**RAJALAKSHMI ENGINEERING COLLEGE**  
**RAJALAKSHMI NAGAR, THANDALAM – 602 105**



**RAJALAKSHMI**  
**ENGINEERING COLLEGE**

**CD23331**

**DESIGN PROCESSES AND PERSPECTIVES LABORATORY**

**Laboratory Manual Note Book**

Name : ..... V.J.LAKSHNAN .....

Year / Branch / Section : ..... II year / CSD / A .....

Register No. : ..... 231701030 .....

Semester : ..... III .....

Academic Year : ..... 2023 - 2027 .....





# RAJALAKSHMI ENGINEERING COLLEGE

An AUTONOMOUS Institution  
Affiliated to ANNA UNIVERSITY, Chennai

## BONAFIDE CERTIFICATE

NAME ..... V.J.LAKSHNAN .....

ACADEMIC YEAR ..... 2023-27 ..... SEMESTER ..... III ..... BRANCH..... CSD .....

UNIVERSITY REGISTER No. 2116231701030

*Certified that this is the bonafide record of work done by the above student in the*

Design Processes and Perspectives ..... Laboratory during the year 2024 - 2025

Signature of Faculty - in - Charge

Submitted for the Practical Examination held on .....

Internal Examiner

External Examiner





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.	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
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 matrices of course**

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	1	3	2	3	2	3	2	1	1	1	3	1	3	1
CD19341.2	3	-	3	-	3	-	-	-	-	-	1	1	1	3	1
CD19341.3	3	3	3	2	3	-	-	-	-	-	-	1	1	3	2
CD19341.4	1	3	3	3	3	3	2	2	2	2	2	2	1	3	3
CD19341.5	1	3	3	3	3	3	2	2	2	2	2	2	1	3	3
Average	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

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:** Hence the design is completed and output is verified.

**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:** Hence the design is completed and output is verified.

**Expt. No.:3**

**Date:**

### **Design a social media website and chat**

**Aim:** To design a social media website and chat.

**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:** Hence the design is completed and output is verified.

**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:** Hence the design is completed and output is verified.

**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:** Hence the design is completed and output is verified.

**Expt. No.:6**

**Date:**

**Design an advertisement for mobile company**

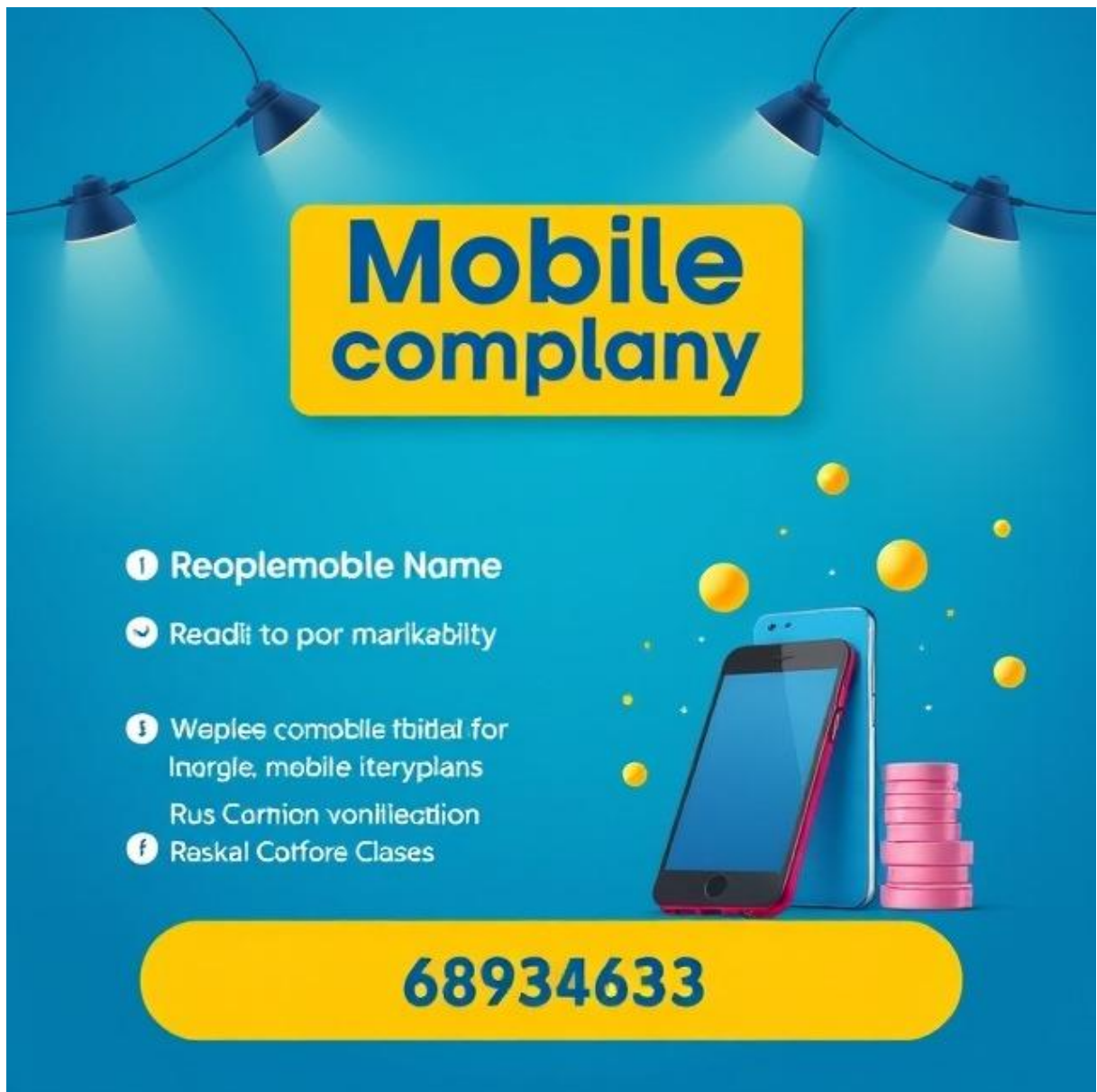
**Aim:** To design an advertisement for mobile company

**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:** Hence the design is completed and output is verified.

**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 :

A campaign poster for Lorraine Alberts, running for City Council Member. The poster features a large, bold, blue 'VOTE' at the top. Below it, a red banner contains the name 'LORRAINE ALBERTS' in white. To the left of the banner, the text 'FOR CITY COUNCIL MEMBER' is displayed in blue. On the right side, there is a portrait of a young man with short brown hair, wearing a blue suit jacket over a checkered shirt, with his arms crossed. The background is white with various geometric elements: a red horizontal bar at the top right, a grey vertical bar behind the 'VOTE' text, and several dotted patterns. At the bottom left, the text 'DON'T LET YOUR VOTE GO TO WASTE' is written in red, followed by the website 'www.reallygreatsite.com.' in blue. A blue horizontal bar is at the bottom left.

**VOTE**

**LORRAINE ALBERTS**

FOR CITY  
COUNCIL  
MEMBER

**DON'T LET  
YOUR  
VOTE GO TO  
WASTE**

For more information, visit  
[www.reallygreatsite.com](http://www.reallygreatsite.com).

**Result:** Hence the design is completed and output is verified.

**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 :

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**Result:** Hence the design is completed and output is verified.

**Expt. No.:9**

**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.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Institution</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <header>
    <h1>Institution</h1>
    <nav><a href="#home">Home</a> <a href="#about">About</a> <a href="#courses">Courses</a> <a href="#faculty">Faculty</a> <a href="#contact">Contact</a></nav>
  </header>

  <section id="home">
    <h2>Welcome to Institution</h2>
    <p>Empowering education for a brighter future.</p>
    <a href="#about">Learn More</a>
  </section>

  <section id="about"><h2>About Us</h2><p>Our mission and values.</p></section>

  <section id="courses">
    <h2>Courses</h2>
    <div>Course 1 - Description</div>
    <div>Course 2 - Description</div>
    <div>Course 3 - Description</div>
  </section>

  <section id="faculty">
    <h2>Faculty</h2>
    <div>Dr. Jane - Subject 1</div>
    <div>Dr. John - Subject 2</div>
    <div>Dr. Sarah - Subject 3</div>
  </section>

  <section id="contact">
    <h2>Contact</h2>
    <form action="submit_form.php" method="post">
      <input type="text" name="name" placeholder="Name" required>
      <input type="email" name="email" placeholder="Email" required>
      <textarea name="message" placeholder="Message" required></textarea>
      <button type="submit">Send</button>
    </form>
  </section>

  <footer>&copy; 2024 Institution. All rights reserved.</footer>
</body>
</html>
```

### About Us

Your institution's mission statement or a brief description goes here. Describe your goals, values, and what makes your institution unique.

### Our Courses

Course Title 1

A short description of this course and what students will learn.

Course Title 2

A short description of this course and what students will learn.

Course Title 3

A short description of this course and what students will learn.

### Meet Our Faculty



Dr. Jane Smith

Specialization: Subject 1



Dr. John Doe

Specialization: Subject 2



Dr. Sarah Johnson

Specialization: Subject 3

### Contact Us

If you have any questions, feel free to reach out.

Your Name

Your Email

Your Message

Send Message

© 2024 Your Institution Name. All rights reserved.

**Result:** Hence the design is completed and output is verified.

**Expt. No.:10**

**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:

```

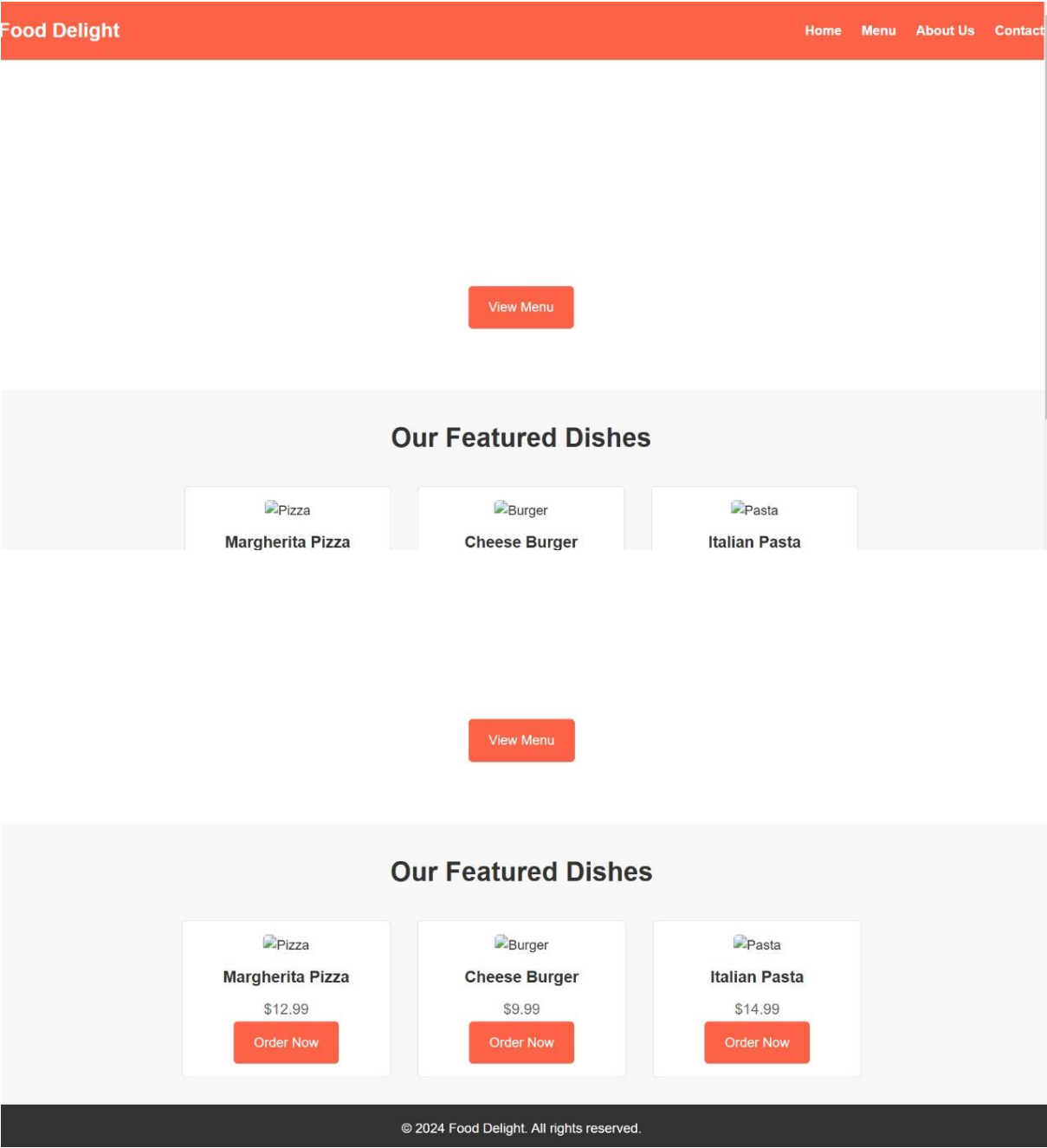
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Food Delight - Home</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <!-- Header -->
  <header>
    <div class="container">
      <h1>Food Delight</h1>
      <nav>
        <ul>
          <li><a href="#home">Home</a></li>
          <li><a href="#menu">Menu</a></li>
          <li><a href="#about">About Us</a></li>
          <li><a href="#contact">Contact</a></li>
        </ul>
      </nav>
    </div>
  </header>

  <!-- Hero Section -->
  <section class="hero">
    <div class="hero-text">
      <h2>Delicious Food Delivered to Your Doorstep</h2>
      <p>Fresh, tasty, and convenient - discover your favorites today!</p>
      <a href="#menu" class="btn">View Menu</a>
    </div>
  </section>

  <!-- Menu Section -->
  <section id="menu" class="menu">
    <h2>Our Featured Dishes</h2>
    <div class="menu-items">
      <div class="item">
        
        <h3>Margherita Pizza</h3>
        <p>$12.99</p>
        <a href="#" class="btn">Order Now</a>
      </div>
      <div class="item">
        
        <h3>Cheese Burger</h3>
        <p>$9.99</p>
        <a href="#" class="btn">Order Now</a>
      </div>
      <div class="item">
        
        <h3>Italian Pasta</h3>
        <p>$14.99</p>
        <a href="#" class="btn">Order Now</a>
      </div>
    </div>
  </section>

  <!-- Footer -->
  <footer>
    <p>&copy; 2024 Food Delight. All rights reserved.</p>
  </footer>
</body>
</html>
```





**Result:** Hence the design is completed and output is verified.

