



# **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.	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**

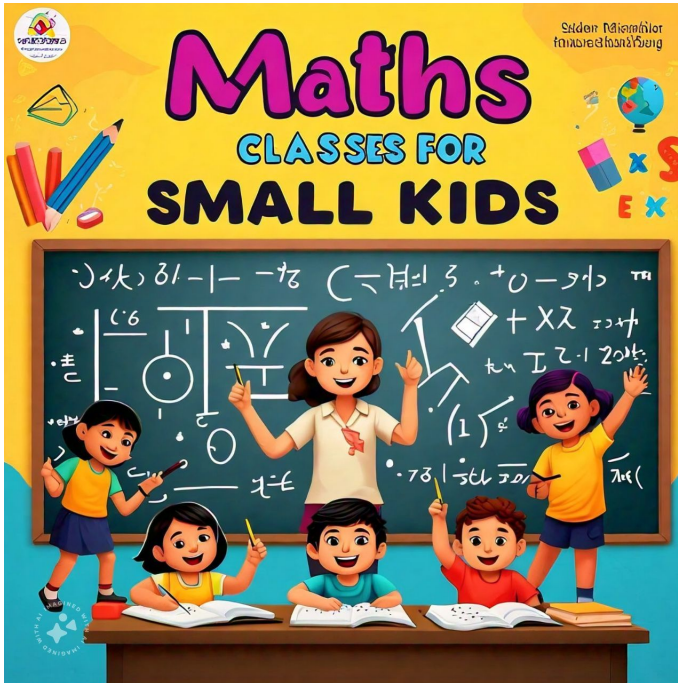
**Aim:** To design a user interface for teaching mathematics to the children of 4-5 years age in school in the rural sector.

**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:**

**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:**

Find People Hobbies Create

hobi hub

search

Find people who share a **hobi** with you

@saracamera

view>



holding my cam with a smile:)



@theguitargirl

view>



fly me to the moon



@pottah.swheel



a workshop with clay & paint



**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:**

**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:**

**Expt. No.:6**

**Date:**

**Design an advertisement for mobile company**

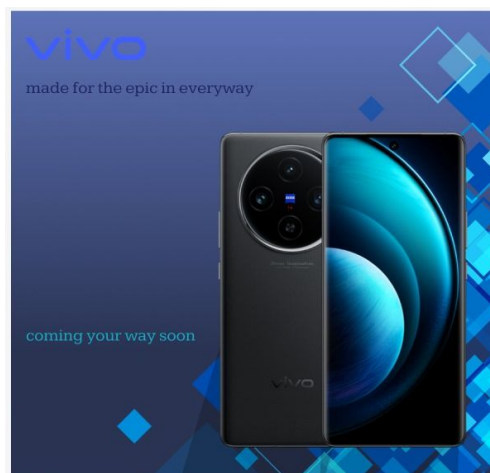
**Aim:** To design an advertisement for mobile company

**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:**

**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**  
**THOMPSON**

For City  
Commissioner

**Come See Jasmine  
And Ask Her Anything**

**Equity in  
Every Step**

Join Us  
Sat. Jan. 3rd, 3pm  
at Franklin Library

[www.choosethompson.xyz](http://www.choosethompson.xyz)

**Result:**

**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:**

# SNAP TECH COMPUTER



## Unleash Limitless Potential With Our Laptop Sale!

Shop now and unlock the potential of cutting-edge technology with our exclusive laptop sale. Don't wait! Grab your dream laptop today and elevate your computing experience to new heights!

**Latitude**  
Dell 1420

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i7 10th Gen

**Memory**  
16 GB RAM

**Storage**  
512 GB SSD

**Monitor**  
with 14.0 inch screen

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**₹36,999**

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☎ +919816259117

📍 Masjid Bunder (E) Mumbai



**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:**



**VITAMIGO**  
Tasty yums for tiny tums

**Buy and  
Get Attractive  
Discounts**

## **HEALTHY DIET** *for your baby*

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.



+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:**

**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:**

**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.

```

/* 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:~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;
}

```

**Output:**

**Result:**

**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

```
/* 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;
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header nav ul li {
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header nav ul li a {
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  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 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;  
}
```