



# **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**

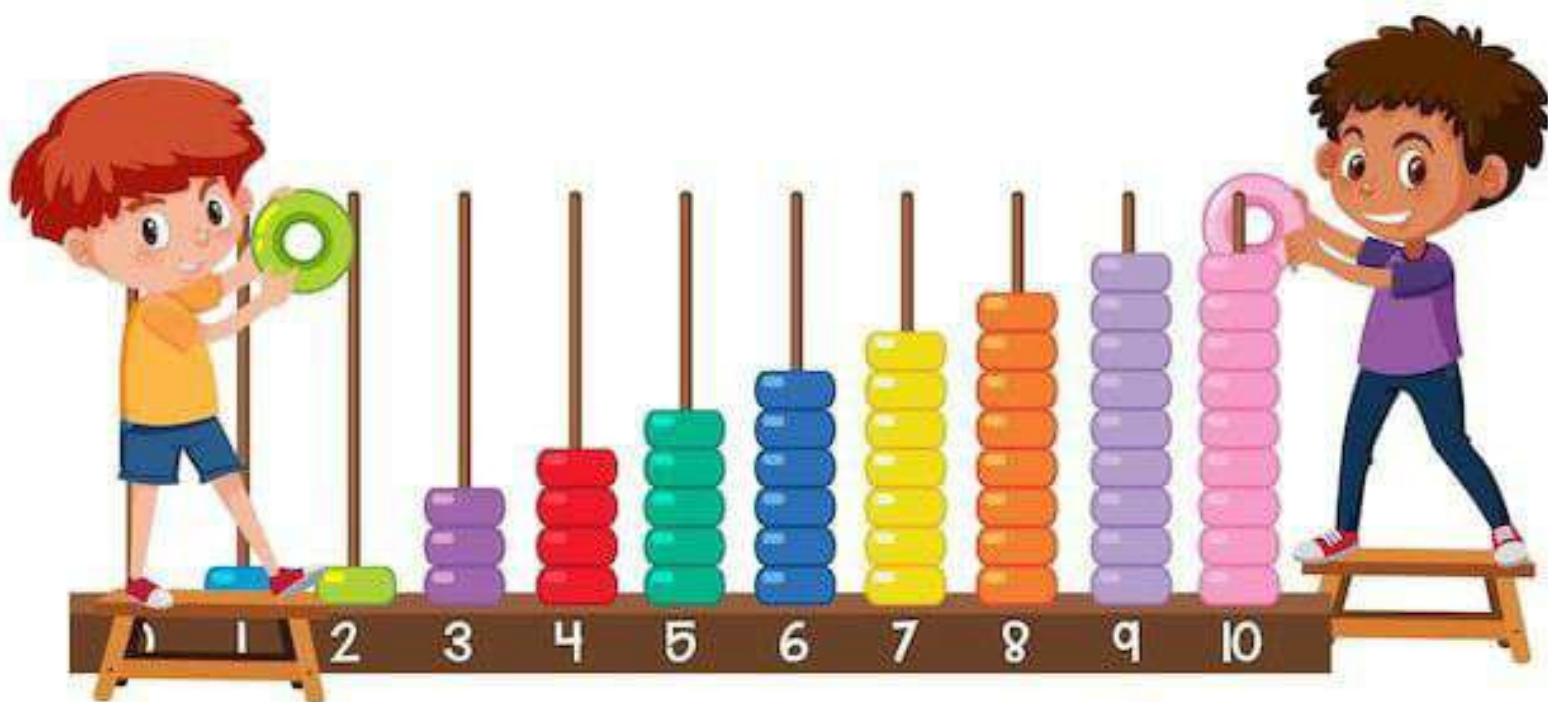
**Aim:** To design a user interface for teaching mathematics to the children of 4-5 years age in school in the rural sector.

**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:**



**MATH**

**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:**





SHOPRSHOP

Anything worth having takes time. Be gentle with yourself. 

FREE SAMPLE



Different scents to influence your mood.  
Comes in many colors to suit every room.  
Creates a beautiful, relaxing atmosphere.

share and use  
#YOURTAG  
to get the prize

5 WINNERS



NOW IN STOCK

SHOP NOW TO GET \$20 OFF!  
[www.yourwebsite.com](http://www.yourwebsite.com)




NEW FRAGRANT

YOUR BUSINESS NAME HERE  
[WWW.YOURWEBSITE.COM](http://WWW.YOURWEBSITE.COM)

Trim Your Wick

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et.

SHOP NOW




PRICE LIST

Wood Wick Candle	\$50
Floating Candle	\$45
Votive Candle	\$40
Container Candle	\$35




Bestsellers

YOUR BUSINESS NAME HERE




Holiday Release

A gift from our store  
shop if come today!

SHOP NOW




Coming Soon Coming Soon Coming Soon

"Take the candle and light the world."

SHOP NOW



**Result:**

**Expt. No.:3**

**Date:**

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

**Aim:** 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:**













Groups



**Family Group**  
Hey, What's up




**Business Group**  
Today Meeting is Over 🙌




**Friends Group**  
where are you buddy's 🤔


Personal



**Cindrella**  
Going to print it now.



**Benny**  
Sure, Thank's



**Aisha**  
See you Tomorrow



**Benny**  
Online







Today

Hi there, How are you?

9:20 AM

I am great, Thanks!

9:23 AM

Can you send me my newest work schedule?

9:25 AM

Okay, give me some time to make a schedule for you

9:27 AM



Enter Your Message



**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:**

Languages & regions

See news from up to two language and region pairs of interest

Your languages & regions

English (India)

Primary (You'll see more from here)

+

Add a language and region

Suggested

English (United States)

Add

हिन्दी (भारत)

Add

Google News

A

73°F

Annie's briefing

Top 5 stories at the moment

Indiabulls

1. 

The Indian EXPRESS

Chennai, Tamil Nadu News Live Updates: Modi-Xi Summit: Traffic restrictions in place in Chennai; TN CM checks security arrange...

Headlines · 5 hours ago

2. 

ETIMES

'Housefull 4': When Akshay Kumar challenged Riteish Deshmukh to do 'Bala' dance...

Headlines · 10 hours ago

For you

Headlines

Favourites

Newsstand

Headlines · 10 hours ago

प्रधानमंत्री नरेंद्र मोदी के नेतृत्व वाली NDA में केंद्रीय मंत्री (खाद्य, लोक वितरण और ग्राममामले ) और लोक जनशक्ति पार्टी (LJP) अध्यक्ष रामविलास पासवान की तबीयत स अचानक बिगड़ गई।

Jansatta · 3 hours ago

नरेंद्र मोदी सरकार में मंत्री रामविलास पासवान की तबीयत बिगड़ी, सांस लेकर तकलीफ के बाद हॉस्पिटल में भर्ती

View full coverage

बूट पॉलिश करने वाला सनी गायकी में छाया, बोला- बहन एक दिन पैसा और नाम दोनों होगा

For you

Headlines

Favourites

Newsstand

**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:**

CAN WE JUST  
MAKE THE LOGO A  
LITTLE BIT BIGG...

**SHUT UP!!**



**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:**





# iPhone 15 Pro Max



Body : 6.7"

Weight : 221gm

Thickness : 8.3mm

Platform : ios 17

Storage : 1Tb

Ram : 8gb (Apple A7 Pro)

Main Camera : 48 MP

Selfie Camera : 12 MP

Battery : Li-Ion Non Removal

Charging : Wireless

**Price : \$19,99**

**SHOP NOW**

**CALL US : +0123456789**

**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:**



2024  
2027

 **VOTE**

**BATABARE  
JAMES**

**VICE CHAIRMAN  
URA STAFF SACCO**

- Advocating for competitive interests rates on Loans.
- Sustainable SACCO Profitability
- Building strategic alliances for SACCO growth.
- Diversified Investment portfolio.
- Actualizing Staff Housing Project.

**A SACCO THAT  
WORKS FOR ALL**

**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:**



Huvech

AIRPODS ON,  
PROBLEMS OUT.



Huvech

SCRATCH PROOF  
SCREEN PROTECTOR

ENHANCED PRIVACY

ANTI-PEEP TECHNOLOGY



9H+ HD

AIRPODS PRO  
GIVEAWAY

WORTH \$86



READ CAPTION

HOW LONG DOES IT TAKE TO  
FULLY CHARGE YOUR PHONE?

A. 30 MINS  
B. 1 HR  
C. 2 HRS



Huvech

BLUETOOTH V5.0

INTELLIGENT TOUCH TECHNOLOGY



NOW AVAILABLE

Huvech

HUVEC  
ACCESSORIES

AIRPODS PHONE CASE IPHONES  
SCREEN PROTECTOR NOISE REDUCING



Huvech

10 000mAh  
POWER BANK

LIGHTER THAN YOUR PHONE

- DUAL USB OUTPUT
- 2.1A FAST CHARGING
- HIGH CAPACITY



NOW AVAILABLE

Huvech

ANTI-FALL  
PROTECTIVE CASE

IPHONE 12 / 13 SERIES



AVAILABLE NOW

Huvech

3-IN-1  
USB

MAGNETIC CABLE

- SMART SAFE
- 3A FAST CHARGING
- DATA TRANSMISSION



NOW AVAILABLE

**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:**



9953654082

**FRESHNESS**

*delivered on time*

**ORDER YOUR FOOD TODAY !**

**FREE DELIVERY**  
Minum Order Rs.500/-

f @ t in p y t  
/captainkatora



**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:**

```
/* 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;  
}
```



**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:**

```
/* 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;
}
```

**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.



**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**