



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.

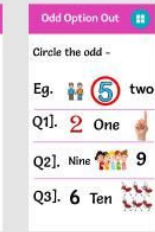
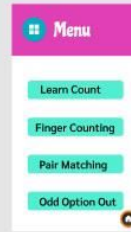
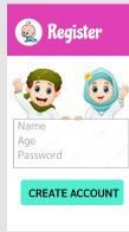
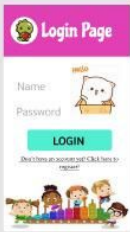
Tools: Figma, Photoshop

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

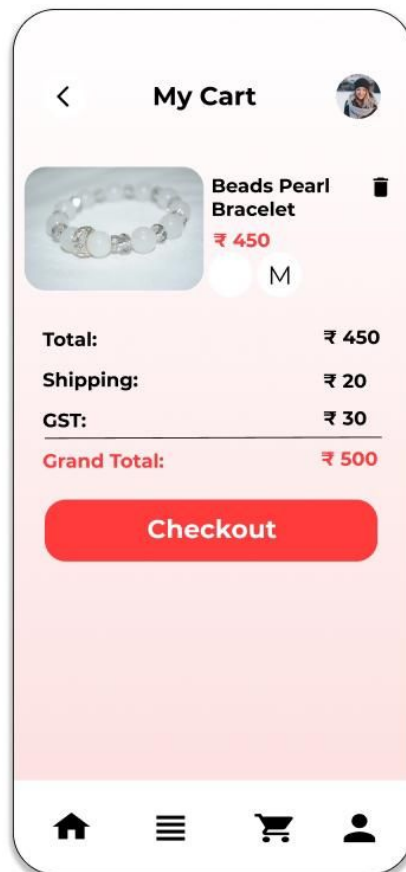
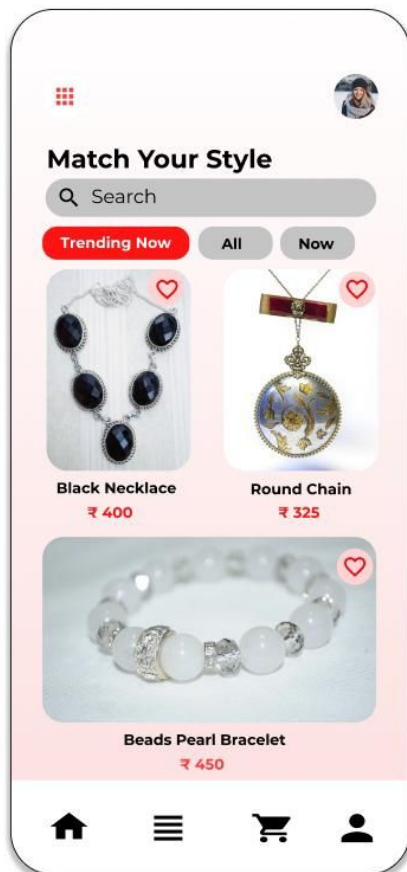
Tools: Figma, Photoshop

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:


Result:




Search for friends here...


**Steve Rogers**
@steve_rogers




**Steve Rogers**


Explore panel


 Profile


 Find friends


 User analytics


Settings


 Settings


 Security data


 Log out

 Write a post

 Upload photo


 Upload video

 Write something here...


**Tony Stark** @tony_stark_3000
Cognitive Person | Enthusiastic scientist | Worked on 300.....

Immediate HIRING


Looking for an amazing scientist who knows how to build a suit that can fly high in the sky without any problem.


**Paul Rudd** @antman_wasp
Smallest creature in this beautiful universe | Flying in colo....


Exploring the amazing nature with my loved daughter and wife. These kind of visuals can soothen your mind, no matter what is your problem and it makes you to forget all your pains.




People you may know


**Tony Stark**
I am a metal man, who saves lots...
6M+ Followers

**Bruce Banners**
Green human with scietific kno...
3M+ Followers





**Natasha Ramanoff**
Tagged you in her 250th post a...

**Barton Clint**
Liked your comment on their po...

Boost your post



@steve_rogers With my lovable dog named Bruno with a smile &....

 6 180 others liked your post & ...

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:

COMICS * GRAPHIC NOVELS * STATUES * COLLECTIBLES * APPAREL * MORE!

MIDTOWNCOMICS.COM

**25% OFF
EVERYTHING!**

ONLINE ONLY! USING CODEWORD JEDI (through March 31, 2015)

Enter codeword on our homepage to activate sale.



**MIDTOWN EXCLUSIVE
STAR WARS VARIANTS**

**NOW AVAILABLE! 3 INTERCONNECTING VARIANT COVERS:
STAR WARS #1, DARTH VADER #1, AND PRINCESS LEIA #1**



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**20% OFF YOUR FIRST ORDER
WITH OUR IOS OR ANDROID APP**



FREE BAG & BOARD WITH EVERY COMIC! FOLLOW US FOR SPECIAL DEALS!



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:

OnePlus 5^T

STAR WARS LIMITED EDITION

Available Now



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:



JON CANDIDATE
FOR STATE SENATOR

- CAMPAIGN ISSUE 1
- CAMPAIGN ISSUE 2
- CAMPAIGN ISSUE 3

PAID BY JOE CANDIDATE, PARTY, FOR STATE SENATOR

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:



WE WILL USE YOUR TV
AS WELL

FOR GAMING



COMING 2013
playstation.com/ps4



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:

GOODLES

Mac and Cheese

- 14g protein
- 7g fiber with prebiotics
- 21 nutrients from plants
- Tastes a bit like childhood



THE OTHER GUYS

- Artificial flavors and preservatives
- Low in fiber and protein
- High in carbs
- Tastes a bit disappointing

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:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Institution Name</title>
</head>
<body>
  <header><h1>Institution Name</h1></header>
  <nav>
    <a href="#about">About</a> |
    <a href="#programs">Programs</a> |
    <a href="#contact">Contact</a>
  </nav>
  <main>
    <section id="about"><h2>About Us</h2><p>Providing quality education.</p></section>
    <section id="programs"><h2>Programs</h2><p>Explore our courses.</p></section>
    <section id="contact"><h2>Contact</h2><p>Email: info@institution.com</p></section>
  </main>
  <footer>&copy; 2024 Institution Name</footer>
</body>
</html>
```



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:

```

<!DOCTYPE html>
:html lang="en">
:head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Educational Blog</title>
:/head>
:body>
  <header><h1>Educational Blog</h1></header>
  <nav>
    <a href="#home">Home</a> |
    <a href="#articles">Articles</a> |
    <a href="#about">About</a>
  </nav>
  <main>
    <article>
      <h2>5 Tips to Learn Better</h2>
      <p>Simple strategies to boost learning.</p>
    </article>
    <article>

```



```

      <h2>5 Tips to Learn Better</h2>
      <p>Simple strategies to boost learning.</p>
    </article>
    <article>
      <h2>Free Online Resources</h2>
      <p>Top websites for free courses.</p>
    </article>
  </main>
  <footer>&copy; 2024 Educational Blog</footer>
</body>
</html>

```

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">
  <title>Hospital Management</title>
</head>
<body>
  <h1>Hospital Management System</h1>
  <nav>
    <a href="#patients">Patients</a> |
    <a href="#appointments">Appointments</a> |
    <a href="#staff">Staff</a>
  </nav>
  <section id="patients"><h2>Patients</h2></section>
  <section id="appointments"><h2>Appointments</h2></section>
  <section id="staff"><h2>Staff</h2></section>
</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">
  <title>Food App</title>
</head>
<body>
  <h1>Foodie's Hub</h1>
  <a href="#menu">Menu</a> | <a href="#cart">Cart</a>
  <section id="menu"><h2>Menu</h2><p>Burger - $5</p></section>
  <section id="cart"><h2>Cart</h2><p>Items here.</p></section>
</body>
</html>
```