



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.

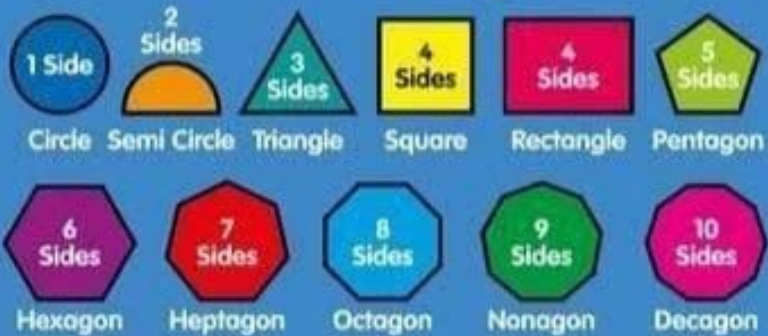
Tools: Figma, Photoshop

Steps:

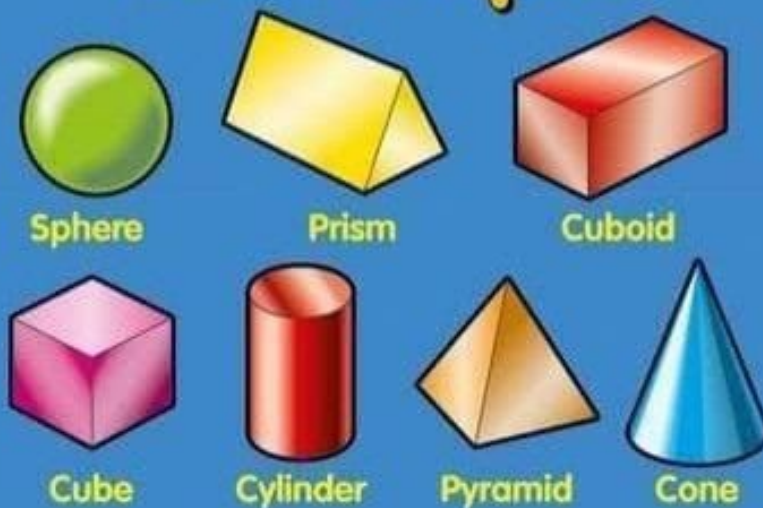
1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used.
4. Buttons and attractive fonts have been used.
5. Proper navigation should be done to move from one page to another.
6. Login page has to be included.

Output:

2D Shapes



3D Shapes



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:

HIGH
QUALITY



WATERCOLORS



300 DPI



MOLINARTSTUDIO

Result:

Expt. No.:3

Date:

Design a social media website and chat

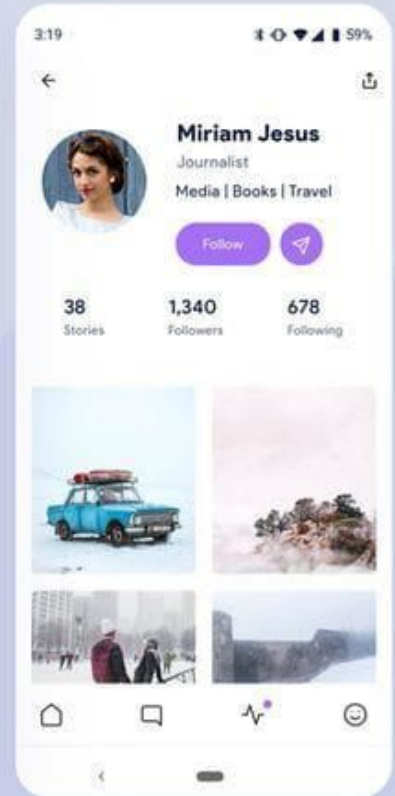
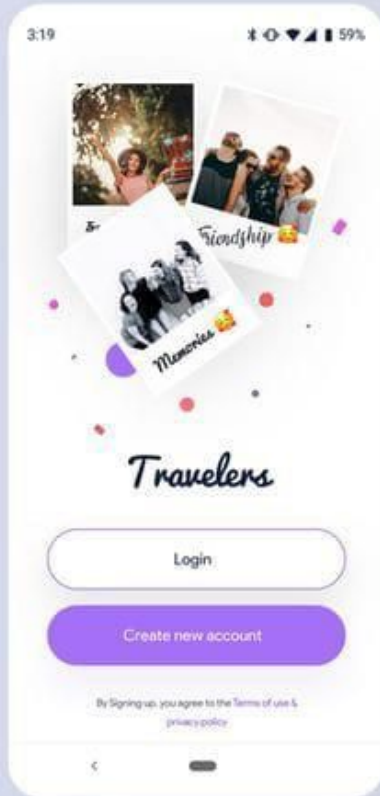
Aim: To design a user interface for teaching mathematics to the children of 4-5 years age in school in the rural sector.

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:

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:

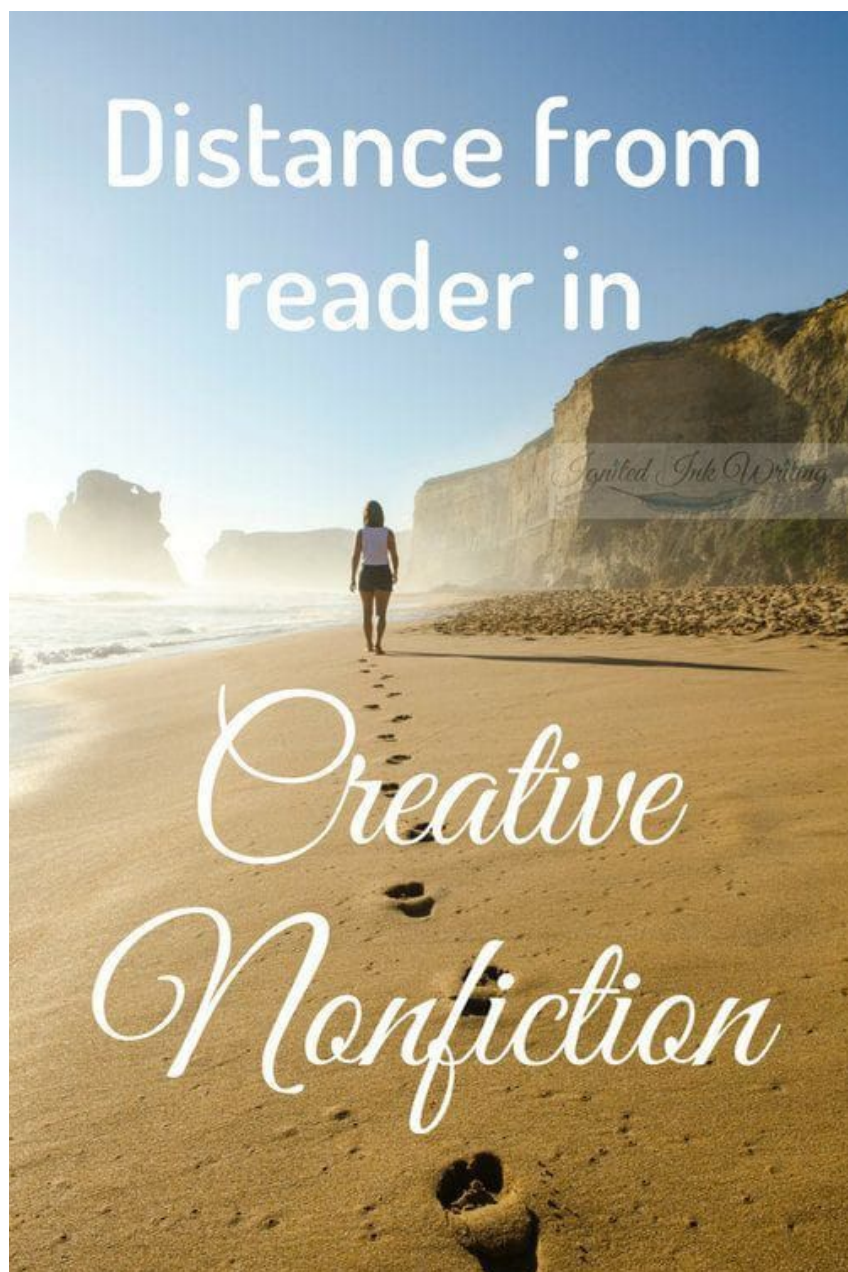
1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used.
4. Use different languages to display the content.
5. Use images that support the content.
6. Align white spaces between the contents.

Output:

Distance from
reader in

Ignited Ink Writing

*Creative
Nonfiction*



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:

vivo



V15

New Price

₹19,990/-

Old Price

~~₹21,990/-~~

Exclusive Offers



www.suprememobiles.in



98587 - 98587

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:

Happy New
MONTH

TOGETHER
WE SHALL IMPACT GOOD
GOVERNANCE



Support
HON. GIDEON ORUGBO
FOR CHAIRMAN
UDU
LOCAL GOVERNMENT AREA



His Excellency
RT. HON. SHERRIF
OBOREVWORI
EXECUTIVE
GOVERNMENT OF DELTA STATE

Courtesy: MEDIA TEAM

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:

RG ReeGadgets

WE SELL

Uk Used
Laptops,
Hard Drives
and Computer
Accessories.

////////////////////////////////////



CONTACT US

+2348104556140
reegadgets@gmail.com

@reegadgets

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:



COMBINING THE BEST
OF BOTH WORLDS!

RM **8.50**
Reg

**Cocoaberry
Floatea**

Vintage Strawberry & Cream
+ Superior Pure Cocoa



RM **8.50**
Reg

**Purpleberry
Milktea Floatea**

Forestfruit Oikos Fraiche
+ Milk Tea



www.chatime.com.my

Product images are for illustrative purposes only.
Please refer to actual product packaging for details.

Download Chatime Malaysia App:



Chatime®/Kapi-tea® Ice Cream
With Real Fruit

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:

```
.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.: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:

```
.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.: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 {
  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;
}

```

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;
}

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;
}

```