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

CD23331
DESIGN PROCESSES AND PERSPECTIVES LABORATORY

Laboratory Manual Note Book

Name : . . . .

Year / Branch / Section : . . . .

Register No. : . . . .

Semester : . . . .

Academic Year : . . . .

RAJALAKSHMI
ENGINEERING COLLEGE
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BONAFIDE CERTIFICATE

NAME ....

ACADEMIC YEAR .... SEMESTER ....BRANCH..................

UNIVERSITY REGISTER No.

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

.... Laboratory during the year 20 - 20

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-it (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 matricesofcourse

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:

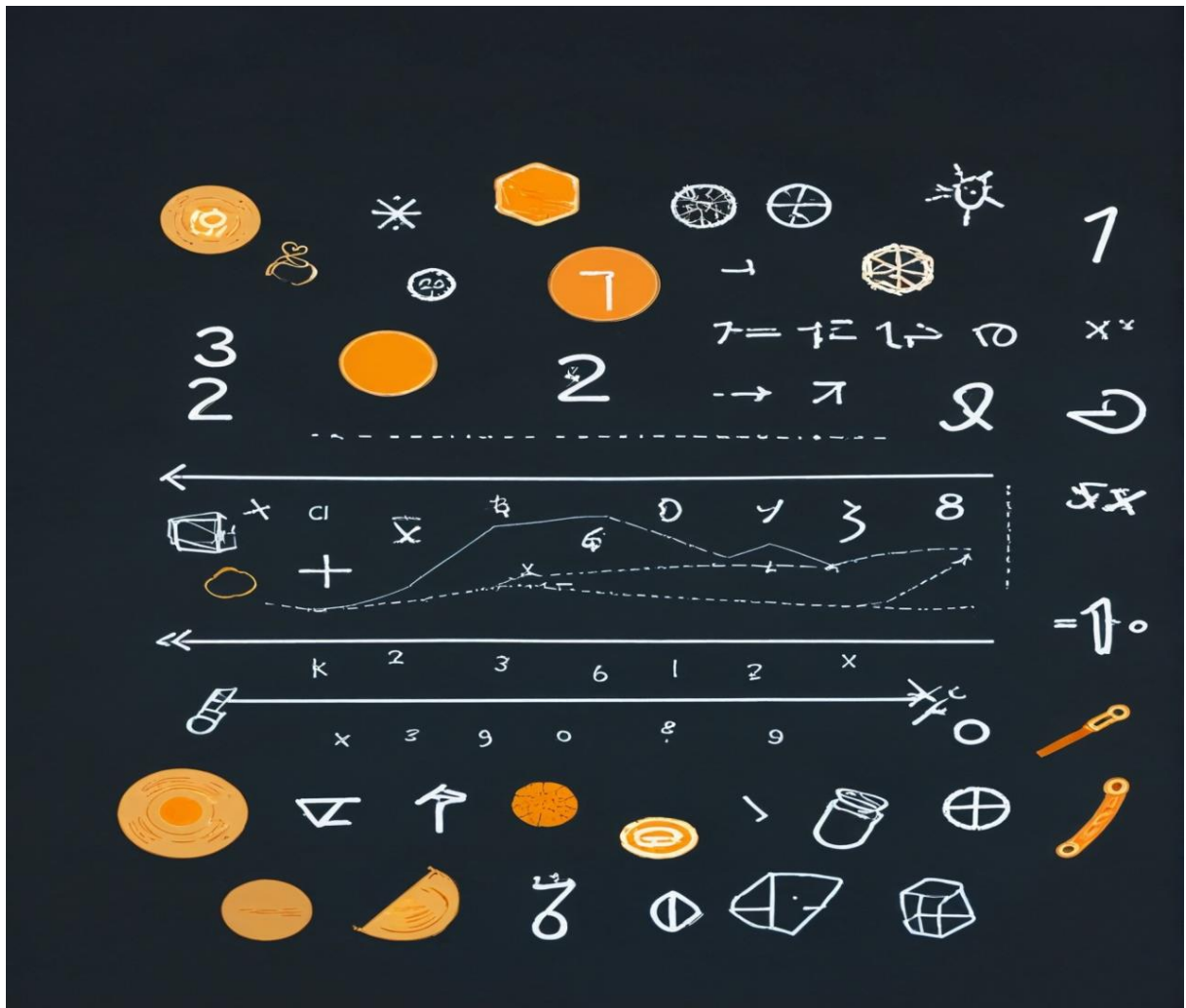# Design to teach mathematics to the children of 4-5 years age in school in Rural sector

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:

<u>**Design a publication that tells comic stories**</u>

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:

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:

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.

Output:

```html
<!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>
```
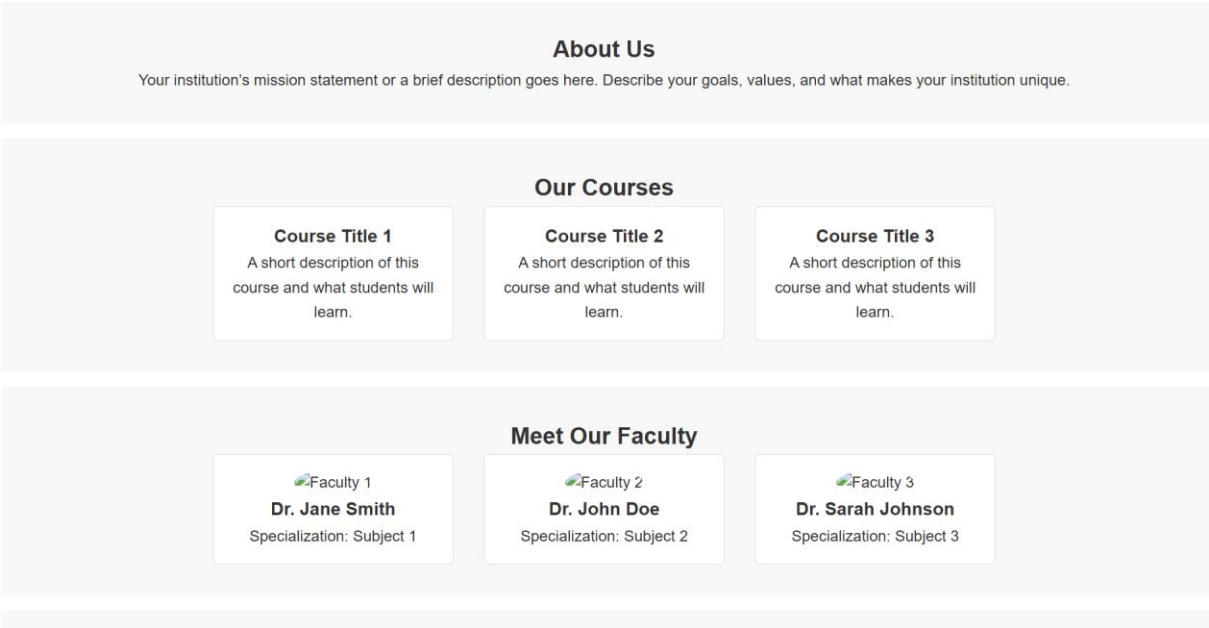
About Us

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

Faculty 1
Dr. Jane Smith
Specialization: Subject 1

Faculty 2
Dr. John Doe
Specialization: Subject 2

Faculty 3
Dr. Sarah Johnson
Specialization: Subject 3

Result: Hence the design is completed and output is verified

Expt. No.:10

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:

index.html	styles.css	script.js	+

```html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <title>Hospital Management System</title>
7       <style>
8           body { font-family: Arial, sans-serif; margin: 0; padding: 0; background: #f4f4f9; }
9           header { background: #0073e6; color: white; padding: 15px; text-align: center; }
10          nav { background: #005bb5; text-align: center; padding: 10px; }
11          nav a { color: white; margin: 0 10px; text-decoration: none; }
12          .container { padding: 20px; }
13          .section { margin-bottom: 20px; }
14          .section h2 { color: #0073e6; }
15          .btn { display: inline-block; background: #0073e6; color: white; padding: 10px 15px; text-decoration: none; margin-top: 10px; border-radius: 5px; ]
16          form input, form textarea { width: 100%; padding: 8px; margin: 5px 0; }
17          footer { background: #0073e6; color: white; text-align: center; padding: 10px; }
18      </style>
19  </head>
20  <body>
21
22  <header>
23      <h1>Hospital Management System</h1>
24      <p>Efficient Healthcare Solutions</p>
25  </header>
26
27  <nav>
28      <a href="#home">Home</a>
29      <a href="#services">Services</a>
30      <a href="#doctors">Doctors</a>
31      <a href="#contact">Contact</a>
32  </nav>
33
34  <div class="container">
35
36      <section id="home" class="section">
37          <h2>Welcome to Our Hospital</h2>
38          <p>Our hospital provides top-notch healthcare services with state-of-the-art facilities and experienced staff.</p>
39          <a href="#services" class="btn">Our Services</a>
40      </section>
41
42      <section id="services" class="section">
43          <h2>Services</h2>
44          <p>We offer a wide range of services, including emergency care, outpatient services, surgery, and more.</p>
45          <a href="#contact" class="btn">Book an Appointment</a>
46      </section>
47
48      <section id="doctors" class="section">
49          <h2>Our Doctors</h2>
50          <p>Meet our experienced team of doctors who are here to provide the best care for our patients.</p>
51          <p><strong>Dr. John Doe</strong> - Cardiologist</p>
52          <p><strong>Dr. Jane Smith</strong> - Neurologist</p>
53          <p><strong>Dr. Emily White</strong> - Orthopedic Surgeon</p>
54      </section>
55
56      <section id="contact" class="section">
57          <h2>Contact Us</h2>
58          <form>
59              <input type="text" placeholder="Your Name" required>
60              <input type="email" placeholder="Your Email" required>
61              <textarea rows="4" placeholder="Your Message" required></textarea>
62              <button type="submit" class="btn">Send Message</button>
63          </form>
64      </section>
65
66  </div>
67
68  <footer>
69      <p>&copy; 2024 Hospital Management System. All rights reserved.</p>
70  </footer>
71
72  </body>
73  </html>
```

Hospital Management System

Efficient Healthcare Solutions

Home   Services   Doctors   Contact

Welcome to Our Hospital

Our hospital provides top-notch healthcare services with state-of-the-art facilities and experienced staff.

Our Services

Services

We offer a wide range of services, including emergency care, outpatient services, surgery, and more.

Book an Appointment

Our Doctors

Meet our experienced team of doctors who are here to provide the best care for our patients.

Dr. John Doe - Cardiologist

Dr. Jane Smith - Neurologist

Dr. Emily White - Orthopedic Surgeon

Contact Us

Your Name

Your Email

Your Message

Send Message

© 2024 Hospital Management System. All rights reserved.

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