

MINI PROJECT

“My First Responsive Website”

Objective

Throughout this course, apply the concepts learned to build a responsive website. This project is an opportunity to demonstrate the understanding of HTML, CSS, Javascript, jQuery and basic Web Designing Principles. By the end of the Project, create a simple, responsive, website based on the below any one of the topics(or assigned by your faculty). Detailed Project Requirements for each topic is discussed later in the further page.

Topics

1. Ecommerce Website

Design and develop a responsive E-Commerce website using HTML, CSS, JavaScript, and jQuery that provides a shopping experience across all devices(desktops, tablets, and smartphones). The website should be fully functional, and interactive which includes multiple product categories, a shopping cart, and product pages.

2. Online Bookstore Website

Design and develop a responsive Online Bookstore website using HTML, CSS, JavaScript, and jQuery that allows users to browse, search, and purchase books. The website should be fully functional, and provide a user experience across desktops, tablets, and smartphones. It should allow users to browse books, view details, and add them to the cart. The site should also include features like categories, book details, and user interactions.

3. Online Portfolio For Photographers

Design and develop a Responsive Online Portfolio Website for photographers using HTML, CSS, JavaScript, and jQuery. The website should allow photographers to showcase their work attractively and interactively while ensuring accessibility and user engagement. The website should be responsive, and user-friendly, showcasing the photographer's work in various categories, along with information about the photographer and contact details. The website should be able to work on different screen sizes (desktops, tablets, and mobile devices).

4. Job Portal Website

Design and develop a responsive job portal website using HTML, CSS, JavaScript, and jQuery. The website should allow job seekers to browse job listings and employers to post job opportunities while ensuring accessibility and user engagement. The goal is to create a functional

Job Portal Website where job seekers and employers can interact, search for job listings, apply for jobs. The website should be fully responsive, ensuring its design and functions well on devices of various screen sizes (desktops, tablets, and mobile).

5. Language Learning Website

Design and develop a responsive language learning website using HTML, CSS, JavaScript, and jQuery. The website should provide interactive lessons, quizzes, and multimedia resources to enhance language learning while ensuring accessibility and user engagement. It allows users to learn a new language through lessons, quizzes, and other resources. The website should be fully responsive, ensuring it is accessible and functional on different screen sizes, including desktops, tablets, and mobile devices.

6. Education News Portal

Design and develop a responsive Education News Portal Website using HTML, CSS, JavaScript, and jQuery. The website should provide the latest education related news, articles, and updates while ensuring accessibility and user engagement. The goal is to create a responsive Education News Portal Website where users can stay updated with the latest news, articles, and information related to education. The website should be easy to navigate, and functional across all devices (desktop, tablet, mobile).

7. Travel Blog

Design and develop a responsive travel blog website using HTML, CSS, JavaScript, and jQuery. The website should showcase travel destinations, blog posts, and travel tips while ensuring a nice and engaging user experience. The objective is to create a Travel Blog Website with a CSS theme. The website should allow users to explore different travel destinations, read travel stories, and view travel tips. The website must be fully responsive and optimized for a variety of devices such as desktops, tablets, and mobile phones.

8. Task Management Website Interface

Design and develop a responsive task management website interface using HTML, CSS, JavaScript, and jQuery. The website should allow users to create, manage, and track tasks efficiently while ensuring a user friendly and user experience. The website must be fully responsive and optimized for a variety of devices such as desktops, tablets, and mobile phones.

9. Event Registration Website

Design and develop a responsive event registration website using HTML, CSS, JavaScript, and jQuery. The website should allow users to register for events, browse upcoming events, and manage their registrations while ensuring a user friendly and user experience. The

goal is users can view details about upcoming events, register for them, and manage their registrations. The website should ensure a smooth user experience across various devices, including desktops, tablets, and mobile phones.

10. Fashion Blog Website

Design and develop a responsive fashion blog website using HTML, CSS, JavaScript, and jQuery. The website should showcase fashion trends, articles, and styling tips while ensuring a visually appealing and user-friendly experience. Create a fashion website that showcases fashion collections, The website should be designed to have user-experience across all devices (desktop, tablet, and mobile).

Project Guidelines

A. Use Semantic HTML: Structure the website using appropriate Page Layout in HTML tags (<header>, <footer>, <section>, <nav>).

B. External CSS File: Keep all CSS in an external stylesheet to maintain separation of concerns.

C. JavaScript and jQuery File: Effective use of JavaScript for interactive features and jQuery for simplified scripting, transitions and animations.

C. Accessibility: Ensure the site is accessible by using proper alt text for images, labels for form inputs.

D. Consistent Design: Maintain a consistent design throughout the site with a cohesive color scheme, typography, and layout.

Deliverables

Final Responsive Website: Students will submit their project as a zip file containing all HTML, CSS, JavaScript, jQuery and image and video files.

Evaluation Criteria

A. HTML Structure: Proper use of HTML tags and structuring the content.

B. CSS Styling: Effective use of CSS and CSS3 for layout, design, styling and responsiveness.

C. Functionality: All links, forms, and navigation work as intended.

D. JavaScript: Effective use of JavaScript for interactive features.

E. jQuery: Proper use of jQuery for simplified scripting, transitions and animations.

D. Design Consistency: A cohesive and visually appealing design throughout the Website based on the User Experience.

E. Creativity: Personalization and creativity in content, design, and features.

F. Google Fonts and Font Awesome for typography and icons.

Submission:

- 1. Submit the complete source code for the website.*
- 2. Include all the HTML, CSS, JavaScript, JQuery, Images and videos required for your website.*
- 3. Provide proper output of the website as screenshot in the report.*
- 4. The report should have a front page as given in the last page, followed by the question having the project assignment, objective and requirements. And then it should have the codes and outputs as screenshots. Make a spiral binding of the same and submit as per the date given by respective teachers.*
- 4. Send a zip file having all the codes to respective faculty through mail.*

PROJECT DESCRIPTION

1. ECOMMERCE WEBSITE

Project Requirements:

- HTML:
 - Develop a homepage with featured products, categories
 - Hero image, category grid, and product thumbnails
 - Create product category pages (e.g., Electronics, Fashion, Accessories, Footwear, Clothing). Display in a grid layout that adjusts based on screen size-3 columns on desktop, 2 on tablet, and 1 on mobile.
 - Design a product detailed page showing Product Images, Descriptions, Price, Specifications, and a “Add to Cart” button. When clicked on the images it should be large.
 - Allow users to search for products using a search bar at the top of the page. Include filters such as category, price range, and ratings.
 - Implement a shopping cart page where users can view and manage selected items.
 - Include a checkout page with a summary of the order and payment details.
 - Design a User Authentication Page for login, registration, and order tracking. Include forms for Users to create accounts and Account Dashboard where users can manage their personal details, and change their password.

- Design a Footer Section to include links to customer service. Terms & conditions, Privacy policy, and Social Media icons. Ensure that it adapts responsively for mobile
- CSS
 - Use CSS Grid and Flexbox to structure the website layout.
 - Use CSS to add interactive elements like hover effects on buttons, product images, or links.
 - Implement media queries for a fully responsive design.
 - Ensure proper alignment of images, buttons, and text across different screen sizes.
 - Add a dark mode toggle option.
- JavaScript & jQuery
 - Implement a real-time product search with auto-suggestions using jQuery.
 - Develop a dynamic product filtering system (by category, price, and rating).
 - Enable an interactive shopping cart with add, remove, and quantity update functions.
 - Implement form validation for login, registration, and checkout using JavaScript.
 - Use jQuery for smooth transitions and pop-ups.
 - Implement AJAX for dynamic content loading (e.g., fetching product details).

2. Online Bookstore

Project Requirements:

- HTML
 - Design a homepage which features new arrivals, bestsellers, and book categories. To include a welcoming hero section with the bookstore's logo, a short introduction, and a search bar to search for books by title, author, or genre. Display a section with featured books or new arrivals, showing book titles, authors, prices, and images.

- Create book category pages (Fiction, Non-Fiction, Sci-Fi, Mystery, Academic, Science). Users can click on a genre to see all books in that category.
- Develop a book detail page displaying a thumbnail of the book cover, Book title, Author, Price, and Reviews. A page displaying a grid or list of books. A "View Details" button that leads to the individual book detail page. Include Sidebar Filters for sorting or narrowing down the search by categories, price range, or ratings.
- Implement a shopping cart page where users can view and manage selected books. Display a summary of items added to the cart, including: Book title, quantity, price per item, and total. Option to update quantity or remove items. A button to Proceed to Checkout.
- Include a checkout page for order summary and payment details. A form where customers can input shipping details (Name, Email, Address). A summary of the order, including books, total price, and shipping fees. A payment method section (this can be a placeholder or simple dropdown for now). A Place Order button to confirm the purchase.
- Design a contact Page with a form that includes fields for Name, Email, Subject, and Message. Basic contact details (store email, phone number, and address).
- Design a user account page for login, registration, and order tracking.
- A responsive navigation bar that includes links to all major sections: Home, Shop, Categories, Contact Us, Cart, Login. The navigation should collapse into a hamburger menu on smaller screens.
- Include a footer with basic contact information, social media links, and any legal disclaimers.

- CSS

- Use CSS Grid and Flexbox to organize content for different screen sizes and a flexible layout.
- Use media queries to adjust the layout and content for smaller screens (e.g., stack items vertically, collapse navigation).
- Ensure navigation with a clean and structured layout.
- Add a dark mode toggle option for better user experience.
- The website should be fully responsive and adapt to different screen sizes (desktops, tablets, and mobile).

- JavaScript & jQuery
 - Implement a real-time book search bar with auto-suggestions. A search bar that allows users to search for books by title, author, or genre. Display search results dynamically with relevant books shown based on the search query.
 - Develop a filtering system allowing users to filter books by genre, price, and rating.
 - Enable an interactive shopping cart where users can add or remove books dynamically.
 - Implement form validation for login, registration, and checkout.
 - Use jQuery animations for smooth page transitions and pop-ups.
 - Implement AJAX to dynamically fetch book details (optional).

3. Online Portfolio for Photographers

Project Requirements:

- HTML
 - A Home Page with an introduction to the photographer, a featured image, and a brief bio. A hero section with a full screen background image or a slider showcasing the photographer's best work. A welcome message or tagline about the photographer's expertise (e.g., "Capturing Moments, Telling Stories").
 - A Portfolio Page displaying a gallery of images using a grid or slider. Display the photographer's work in a grid. Organize photos into categories (e.g., Landscape, Portrait, Weddings, Travel, etc.) with filtering options or links to view specific categories. Ensure each image has a caption with a short description. Button like "View Portfolio" or "Contact Me". A navigation bar linking to Home, Portfolio, About, Contact.
 - A About Page outlining photography services and pricing (if applicable). A brief biography of the photographer, including: A photo of the photographer (self-portrait or professional image). Information about the photographer's background, style, and specialties. A mission statement or personal philosophy about photography. A section with any awards, recognitions, or notable achievements.
 - A Contact Page with a contact form, social media links, and a Google Maps embed. A contact form where potential clients can reach out to the photographer. Include fields such as: Name, Email, Subject, Message. Include alternative contact information (e.g., email, phone number). A Google Map embed showing the photographer's studio or location.

(optional). Social media links for platforms like Instagram, Facebook, or others.

- A Blog Page for photographers to share experiences, tips, or updates.
- A Navigation Bar for easy access to all pages with smooth scrolling effects. A responsive navigation bar that includes links to the Home, Portfolio, About, Contact, and possibly a Blog section. The navigation bar should collapse into a hamburger menu on mobile and tablet devices for better usability.
- A footer with basic information such as: Copyright notice. Contact details (email, phone). Links to social media platforms(Instagram feed, Facebook, etc.).

- CSS

- Use CSS Grid or Flexbox to create flexible layouts for the portfolio gallery, font sizes, image sizes and other sections for a responsive layout.
- The website must be fully responsive and adapt to different screen sizes (desktops, tablets, mobile phones).
- Use a consistent color scheme and typography suitable for photography websites.
- Add hover effects for interactive elements like buttons and images.
- Ensure that all elements, especially the images in the portfolio, resize appropriately on mobile and tablet views.
- Include smooth hover effects, animations, or transitions for images and buttons to enhance the user experience.

3.

- JavaScript & jQuery

- A responsive image slider on the homepage.
- The gallery should display the photographer's work in an attractive and user-friendly way. Clicking on an image should open to view the image in full size, navigate between images, and close it.
- Use smooth scrolling effects for a seamless navigation experience.
- Add a filtering system using jQuery for categorizing images in the portfolio.
- Implement a dynamic contact form validation with JavaScript.
- Include a back-to-top button for better navigation.

4. Job Portal Website

Project Requirements:

- HTML
 - A Home Page with an introduction to the job portal, featured job listings, and a brief overview. A hero image or a banner with a welcoming message and . Include a button like “Browse Jobs” or “Post a Job”.
 - Search Bar: A search functionality that allows job seekers to search for jobs by title, location, or category (e.g., IT, Marketing, etc.).
 - Job Listings Page displaying available job postings in a grid or list format. Each job listing should include the following: Job title, company name, location, job type (Full-time, Part-time, Remote, etc.), and posting date. A "View Details" link or button that leads to the detailed job description page. Allow users to filter job listings by job type, industry, experience level, and location. Provide sorting options by date posted, or salary.
 - A Job Details Page for detailed information about a specific job, including: Job description, responsibilities, and requirements. Company details (company name, location, website link). Apply Now button linking to the application form or instructions. A section for users to see similar jobs or return to the job listings page.
 - A responsive Navigation Bar for easy access to all pages with smooth scrolling effects. To include links to Home, Job Listings, Employer Dashboard, Job Seeker Dashboard, and Contact Us .
 - An Employer Dashboard Page for companies to register and post job openings. Employers can log in to manage job postings. Include features for: Posting new jobs: A form where employers can input job title, description, company details, salary range, and location. View/edit/remove job postings. Option to view applicants for each job posting (could be a placeholder or mockup for now). Dashboard overview showing total jobs posted, applicants, etc.
 - A Job Seeker Dashboard Page for users to create profiles, upload resumes, and apply for jobs. Job seekers can log in to manage their job applications. Features should include: Viewing applied jobs with the status of each application (e.g., Pending, Interview Scheduled, etc.). Option to upload or update their resume and cover letter. Ability to save favorite jobs or jobs of interest.
 - Job Application Page: A form for job seekers to apply for a job, including: Personal information (Name, Email, Phone). Upload options for

resume and cover letter (file upload). Option to enter a cover message or letter. Submit Application button

- A Contact Us Page with a contact form, social media links(LinkedIn, Twitter, etc.).
- Apart from this, include a contact form with fields such as name, email, subject, and message for users to get in touch with support or inquiries. Include the company's contact details (email, phone number, address).
- The navigation bar should be responsive, with the links adjusting for different screen sizes. The menu should collapse into a hamburger menu on mobile and tablet views. Include links to the Home, Job Listings, Employer Dashboard, Job Seeker Dashboard, Post a Job, and Contact Us pages.

- CSS

- Use CSS Grid or Flexbox for a responsive layout.
- Implement media queries to adjust the layout and font sizes ensure compatibility with different screen sizes (mobile, tablet, desktop).
- Use a color scheme and typography.
- Add hover effects for interactive elements like buttons and job cards.
- Use transitions to enhance the user experience.

- JavaScript & jQuery

- Implement a job search and filtering system using jQuery
- Use smooth scrolling effects for a better navigation experience.
- Implement form validation for user registration, job posting, and job applications.
- Add a dynamic job application system where users can apply with a single click.
- Include a back-to-top button for better navigation.
- User Authentication: Allow users (both employers and job seekers) to register, login, and logout.

5. Language Learning Website

Project Requirements:

- HTML:

- A Home Page with an introduction to the language learning platform, featured courses, and a brief overview. Hero Section to include images by showcasing the website's purpose (e.g., "Learn a New Language in a Fun

and Engaging Way"). Include a button like "Start Learning" or "Choose Your Language".

- A Language Page to display a list of available languages with clickable cards for each language (e.g., Hindi, English, Sanskrit, Spanish, French, German, etc.) with attractive images/icons for each language.. Each language card should lead to a dedicated page where users can explore available courses and lessons. You can include images, video links. Include a search function or filter to help users easily find the language they are interested in.
- A Lessons Page displaying structured language lessons with text, audio, and video support. Each language page should have an overview of available lessons and courses with a brief description of what users will learn in each course.
- Lesson Details: Clicking on a course should take the user to a page that provides detailed information about the lessons, including: Lesson title, description, and duration. A start lesson button that takes the user directly into the learning content (e.g., text, images, videos). Lessons should incorporate various multimedia elements like text, images, audio, and video to enhance the learning experience. Include a progress tracker that shows how much of the course the user has completed.
- A Quizzes Page for users to test their knowledge with interactive multiple-choice or fill-in-the-blank exercises. A page dedicated to quizzes that allow users to test their knowledge. Each quiz should consist of multiple-choice, true or false, or fill-in-the-blank questions. After completing the quiz, users should receive immediate feedback on their answers, along with the correct answers. Display the user's score after they finish the quiz.
- A Resources Page offering downloadable materials, vocabulary lists or glossary and grammar guides.
- A User Profile Page where learners can track progress, save lessons, and earn badges.
- A Contact Page with a contact form, social media links (YouTube, Twitter, etc.). Include a contact form with fields like: Name, Email, Message
- A Community Page where learners can interact, discuss, and share tips on language learning. Include a forum-style discussion board or a comment section where users can post questions, share resources, or ask for advice. Allow users to login to participate in the community and contribute to discussions.
- A Login Page where users can register for an account or log in to access personalized features like progress tracking and saved lessons. Include

fields for username, email, password, and confirm password. Include a “Forgot Password” option for users who need to reset their credentials.

- A responsive navigation bar with links to Home, Languages, Courses, Quizzes, Community, Login or Sign Up, and Contact Us.
- A footer with links to important pages such as privacy policy, terms of use, social media profiles, and contact information.

- CSS

- Use CSS Grid or Flexbox to create flexible and responsive layouts.
- Include Media queries should be used to adjust the layout, font sizes, images, and other elements for optimal display on mobile, desktop and tablet screens.
- Use an engaging and educational-friendly color scheme and typography.
- Add hover effects for interactive elements like buttons and lesson cards.
- Use transitions to enhance the user experience.
- The website must be fully responsive and adjust properly to different screen sizes (desktops, tablets, mobile phones).

- JavaScript & jQuery

- Implement interactive quizzes with instant feedback.
- Use smooth scrolling effects for a navigation experience.
- Implement form validation for user registration and contact forms.
- Add a progress tracking system where users can save completed lessons.
- Include a back-to-top button for better navigation.
- A responsive multimedia content slider on the homepage.
- Allow users to customize their profiles, view their learning progress, and set language learning goals.
- Allow users to change the language of the website interface (e.g., switch between English, Hindi, Spanish, French).

6. Education News Portal Website

Project Requirements:

- HTML

- A Home Page featuring the latest education news, trending articles, and a brief introduction to the portal. A prominent hero image/banner with a headline that welcomes users to the Education News Portal. Include a call-to-action button like “Read Latest Articles” or “Subscribe to Newsletter” Featured News: Display a section with featured or top news articles, showing the title, a brief description, and a thumbnail image. Each news article should be clickable, leading to the full article page.
- News Categories: A section that showcases the main categories (e.g., Education Policy, Exams & Results, Scholarships, EdTech News, Events). Each category should have clickable cards leading to relevant news articles.
- Navigation Bar: A responsive navigation bar with links to Home, Latest News, Categories, Events, Contact Us, and Login/Sign Up.
- Search Bar: A search functionality to allow users to search for specific articles by title, category, or keyword.
- A News Category Page where users can browse news by topics such as Education Policy, Scholarships, Exams, higher education, school updates, etc. Display articles filtered by a specific category Each category page should list articles relevant to that category with a title, short description, and an option to read more. A navigation to show users their current location on the website (e.g., Home > Category > Article Title).
- A Article Detailed Page displaying full articles with images, videos, and related stories.A full-page view of an individual news article, including: The headline, author name, and date of publication. The full article content with images, videos, or embedded media where appropriate. Social sharing buttons (e.g., Facebook, Twitter, LinkedIn) to allow users to share the article. An option for users to leave comments or feedback. A related articles section at the bottom to encourage further reading.
- A Contributors Page listing authors, guest writers, and editorial team members.
- A User Registration/Login Page for users to subscribe and comment on articles.
- A Contact Page with a contact form, social media links, and optional live chat support. A simple form with fields such as: Name, Email, Message, and Subject. Display contact details such as email, phone number. Social Media Links (Facebook, Twitter, LinkedIn) for users to follow or contact via social platforms.
- Events Page: A dedicated page that lists upcoming events related to education (e.g., seminars, workshops, conferences, and webinars). Each event should include: Event title, description, date, and time. Location or

online link (for webinars). A Register Now or Learn More button. Include a filter option for events based on location or type (online or in-person).

- A footer with links to: Privacy Policy, Terms of Service, and other legal disclaimers, Contact details (email, phone number). Social media icons for quick access(Twitter, LinkedIn etc.). An optional newsletter sign-up form where users can subscribe to receive the latest updates.
- The navigation bar should be responsive and collapse into a hamburger menu on mobile and tablet devices. The navigation should include links to Home, Latest News, Categories, Events, Contact Us, Login/Sign Up, and any other important pages for easy access to all pages with smooth scrolling effects.
- Latest News Page: Display the most recent news articles in a clean, grid or list layout. Each article should show: Title, short description, and thumbnail image. The date of publication and author. A Read More button or link to the full article. Allow users to navigate between different pages of news articles if there are too many articles to display at once.
- Login/Sign Up Page: Allow users to register for an account or log in to access premium content or submit articles. Include fields for email, password, and confirm password. A forgotten password feature for users who need to reset their credentials. After logging in, users should have the ability to manage their profile or submit articles

- CSS

- Use CSS Grid or Flexbox for creating a flexible, responsive layout for articles, categories, and the homepage.
- Implement media queries to adjust the layout, fonts, images, and other elements to ensure a pleasant viewing experience across all devices (mobile, tablet, desktop).
- Use a color scheme and typography.
- Add hover effects for interactive elements like buttons and article cards.
- Use animations/transitions to enhance the user experience.
- The website must be fully responsive, adapting seamlessly to various screen sizes (desktop, tablet, and mobile).
- Implement dynamic news updates that fetch and display the latest articles.
- Use smooth scrolling effects for a navigation experience.
- Implement form validation for user registration, comments, and contact forms.
- Add a search functionality that allows users to find news articles by keywords.

- Include a back-to-top button for better navigation.

7. Travel Blog

Project Requirements:

- HTML
 - A Home Page featuring the latest travel blog posts, featured destinations, and an introduction to the blog. A large hero image showcasing an eye-catching destination. Include a catchy headline like “Explore the World” and a button (e.g., “Read Our Latest Blog” or “Discover More”). Featured Destinations: Display a section with images and short descriptions of popular travel destinations. Include an image gallery where users can browse through beautiful travel photos. These should be clickable and lead to individual destination pages or blog posts about each location. A responsive navigation bar with links to Home, Destinations, Travel Tips, About Us, Blog, and Contact Us. Blog Teasers: A section showcasing a few recent blog posts, with an image, title, short excerpt, and a "Read More" button. Social Media Icons: Include icons linking to your social media platforms (Instagram, Twitter, Pinterest, etc.).
 - A Destinations Page showcasing different travel locations with images and short descriptions of popular travel destinations. Destination Grid: Display a grid or list of destinations with thumbnails, brief descriptions, and links to the detailed destination pages. Allow users to filter destinations based on continent or type of destination (e.g., Beach, Mountain, City). Integrate a small interactive map that highlights key travel destinations.
 - Travel Tips Page: Article Listings: Display a list of blog posts or articles about useful travel tips (e.g., packing advice, budget travel, solo travel, travel safety). Tips Categories: Organize tips into categories for easy navigation (e.g., "Budget Tips", "Travel Essentials", "Packing Guides"). Each post should include a title, author, date, and a short description with an option to read the full post
 - A Blog Post Page displaying full articles with images, embedded videos, and user comments. Each blog post should have the following features: Post Title, author name, and date. The content of the post, which may include text, images, videos, and embedded maps. Social sharing buttons to allow users to share posts on social media. A comment section where readers can leave feedback or ask questions (optional). A related posts section at the bottom to encourage users to read other blog posts.
 - An About Page introducing the travel blogger(s) and their journey. An About Us section that introduces the blog and the team behind it. Include:

A brief introduction about the blog's purpose (e.g., sharing travel experiences, tips, and guides). Team members (optional) with short bios and images. A contact email or form for inquiries or collaborations.

- A Login Page for users to subscribe, comment, and save favorite articles.
- A Contact Page with a contact form, social media links, and optional live chat support. A contact form with fields like Name, Email, Subject, and Message for users to get in touch. Contact details such as email, phone number, and physical address (optional). Social media links for direct contact or engagement.
- A Navigation Bar for easy access to all pages with smooth scrolling effects.
- A footer with essential links like: Privacy Policy, Terms of Service, and other legal information. Social media icons for Instagram, Twitter, Facebook, Pinterest, etc. A newsletter signup form (optional) to encourage users to subscribe for updates.

- CSS

- Use CSS Grid or Flexbox for layout and alignment to create a responsive layout.
- Implement media queries to ensure compatibility with different screen sizes (mobile, tablet, desktop).
- To adjust styles such as font sizes, image sizes, and layout for different screen sizes.
- Use a color scheme with elegant typography.
- Add hover effects for interactive elements like buttons and image cards.
- Use transitions to enhance the storytelling experience.

- JavaScript & jQuery

- Implement a dynamic travel photo gallery.
- Use scrolling effects for a navigation experience.
- Implement form validation for user registration, comments, and contact forms.
- Add a search functionality that allows users to find blog posts by destination or keyword.
- Include a back-to-top button for better navigation.
- The website must be fully responsive and functional on desktops, tablets, and mobile devices.
- The navigation bar should be responsive, collapsing into a menu on smaller screens.

- A responsive image slider on the homepage featuring top travel destinations.
- Integration with social media platforms (Instagram, Pinterest, Twitter, etc.)

8. Task Management App Interface

Project Requirements:

- HTML

- A Home Page introducing the task management platform with key features. Include the logo and a task management title. Provide a search bar to allow users to search for specific tasks.
- Task Creation Section: Include a form or button that allows the user to create new tasks with fields like: Task name, Task description. Category dropdown (e.g., "Work," "Home," "Personal", "Urgent"). Priority (e.g., "High," "Medium," "Low"), Start Date, Due date
- Task List Page: Display a list of tasks with relevant details (task name, start date, due date, category, status). Here users can add, edit, delete, and categorize tasks.,
- Include a sidebar with links to different sections such as "All Tasks," Task Categories, "Completed Tasks," "Pending Tasks,"
- A Dashboard Page displaying an overview of tasks. Provide options to filter tasks by status ("To-Do," "In Progress," "Completed") or by category ("Work," "Home," "Personal," "Urgent").
- A Task Detail Page providing detailed descriptions, deadlines, and priority levels. Allow users to click on a task to view its details. Include an option to edit the task (e.g., change the name, due date, priority, etc.). Include an option to delete the task.
- A User Login Page for users to create an account and manage tasks.
- A Settings Page allowing users to customize notifications, themes, and preferences.
- A Contact Page with a feedback form and customer support details.
- A Navigation Bar for seamless access to all sections with smooth scrolling effects.
- A simple footer with essential links like Privacy Policy, Terms of Service, or Contact Information.

- CSS

- Choose a color scheme with clear contrasts to enhance readability (e.g., light background with dark text and colorful buttons or task indicators).

Color code tasks by status (green for completed, yellow for in-progress, red for urgent).

- Use a clean font for the task management website(Roboto, Arial, Open Sans). Make sure the font sizes and styles are appropriate for task names, details, and buttons.
- Design clear, interactive buttons for actions like "Add Task," "Edit Task," "Delete," and "Mark as Completed." Buttons should have hover effects (e.g., change color or background) to enhance the user experience.
- Display tasks in cards or rows with task names, due dates, categories, and status indicators.
- Use CSS Grid or Flexbox for organizing tasks in a responsive layout.
- Use simple icons next to tasks or buttons (e.g., a pencil icon for editing, a trash bin icon for deleting, checkboxes for marking tasks as complete).
- Implement media queries to ensure the interface is optimized for mobile, tablet, and desktop devices.
- On larger screens (e.g., desktop), display tasks in a multi-column grid or table format.
- On smaller screens, stack the tasks in a single column and adjust text sizes for readability.
- Add hover effects and transitions for interactive elements such as buttons and task cards.
- Use animations and progress indicators to enhance the user experience.
- Form fields (e.g., text input, dropdowns, date picker) should scale properly on mobile devices.
- On smaller screens, collapse the sidebar into a hamburger menu for better usability.

- JavaScript & jQuery

- Users should be able to create, read, update, and delete tasks The "Add Task" button should redirect to a separate page for task creation. Each task card should have options to edit or delete.
- Users should be able to mark tasks as completed with a simple checkbox or button. Use visual indicators (e.g., colored labels or icons) to represent task status.
- Add hover effects on task cards to make the more interactive (e.g., changing the background color of a task when hovered over).
- Task Creation should contain input fields for task name, category, priority, start date and due date.It must be responsive and adjust its size based on the screen resolution.

- Implement a filter system where users can filter tasks by status, category, or priority. Include a search bar for easy task search.
- Implement a drag and drop functionality for task organization.
- Use scrolling effects for better navigation.
- Implement form validation for task creation and user login.
- Include a progress bar to visualize task completion rates.

9) Event Registration Website

Project Requirements:

- HTML
 - A Home Page showcasing featured and upcoming events with an introduction to the platform. A prominent hero banner showcasing an image related to events (for e.g., a conference, seminar, workshops, concert, fest or festive gathering etc.). Include a headline like “Register for Your Next Event” and a button like "Explore Events" or "Register Now". Display a section that shows a preview of upcoming events. Each event should include: Event title, Event date and time, A brief description of the event, A clickable "View Details" or "Register Now" button that links to the full event details page.
 - Event Listing Page that displays all available events. Each event listing should show: Event title, Date and time, Brief event description, A Register Now or View Details button.
 - Provide a search bar to allow users to search events by title, location, date, or category.
 - Allow users to filter events by categories such as conferences, workshops, seminars, concerts, fest or any festive gathering.
 - An Events Page displaying a list of events with details such as date, time, location, and description. Each event should have a detailed page with the following elements: Event title, date and time, location, and description. Event image or promotional video A registration form where users can enter their details to sign up for the event (name, email, phone number, etc.). A Register Now button that, when clicked, confirms the registration. Information on event agenda or speakers. A countdown timer for showing time left to register or until the event begins. A share on social media button to allow users to share the event with their network.
 - A Single Event Page providing in-depth event details, registration form, and user reviews.

- A User Registration Page for attendees to create an account and manage their event registrations. A registration form where users can enter personal details such as: Full Name, Email Address, Phone Number, Ticket Type, and any other necessary details. Option for users to choose ticket quantity or other relevant preferences. After submitting the form, show a confirmation page that summarizes the user's registration, including: Event name, Date and time, Registration details (user's name, ticket type, etc.), A thank you message. Include an option for the user to print their registration or receive a confirmation email. Option for users to subscribe to event notifications via email.
- A Dashboard Page where registered users can view their upcoming events.
- A Contact Page with a contact form, social media links, and customer support details. A contact form with fields such as: Name, Email Address, Subject, and Message. Social media links for further engagement
- A Navigation Bar for access to all pages with smooth scrolling effects. A responsive navigation bar with links to Home, Events, Register, Contact Us.
- The footer should contain the following elements: Links to important pages such as Terms of Service, Privacy Policy, FAQ, and Contact Us. Social media icons (Facebook, Instagram, Twitter, LinkedIn).

- CSS

- Use CSS Flexbox or CSS Grid to create responsive layouts that adapt to different screen sizes.
- Implement media queries to be fully responsive, ensuring that it works on various devices such as desktops, tablets, and mobile phones.
- To adjust the layout such that content is legible and well-organized.
- Apply a modern color scheme with clear typography.
- Add hover effects for interactive elements like buttons and event cards.
- Use transitions to enhance the user experience.
- The navigation bar should collapse into a menu for smaller screens.

- JavaScript & jQuery

- Implement a real-time event search and filtering system.
- Use smooth scrolling effects for a seamless navigation experience.
- Implement form validation for event registration.
- Add a countdown timer for upcoming events.
- Include a back-to-top button for better navigation.

10. Fashion Blog Website

Project Requirements:

- HTML
 - In a homepage, a large eye-catching image or carousel showcasing top fashion trends, seasonal collections, or brand highlights. A Home Page featuring the latest fashion articles, featured designers, and trending styles. Header Section with Logo, display the website's logo clearly in the top-left corner.
 - Navigation Bar: Include links to Home, Collections, Trends, About, and Contact.
 - Search Bar: Allow users to search for specific products or categories.
 - Featured Products: Display a collection of featured clothing, accessories, or top-selling products with images and brief descriptions. Categories Section: Organize fashion products into categories (e.g., "Men," "Women," "Kids," "Accessories," "Sale"). Navigation Bar: Include links to main sections (e.g., Home, Collections, Trends, Accessories, About, Contact). Footer: Include footer links to important pages such as Terms of Service, Privacy Policy and social media icons. Social Media Links include icons linking to your fashion brand's social media profiles (Instagram, Facebook, Pinterest, etc.). Copyright Information: Display the copyright information and links to privacy policy and terms of service.
 - Main Content Section: Featured Collections: Highlight different collections such as "Winter Collection," "Spring Styles," etc. Product Listings: Display products with images, titles, and short descriptions. Include a "View Product" or "Add to Cart" button. Grid Layout: Use a grid layout for products on collection pages and featured products on the homepage.
 - Product Pages: Display a single product with a large image, product details, price, size options, and a "Add to Cart" button. Image Gallery: Allow users to view product images in a gallery format with zoom functionality. Related Products: Show related products or accessories that complement the item being viewed.
 - Collection Pages: Grid Layout: Display various fashion collections (e.g., "Winter Collection," "Spring Collection," "Streetwear") in a grid or list format. Filters: Allow users to filter products by size, color, price range, and other criteria.
 - About Page: Provide details about the brand, mission, and vision of the fashion website. Include team or designer profiles, company history, and any relevant content.

- A Blog Page listing different fashion-related articles with images and summaries.
- A Single Post Page displaying full blog articles with images, embedded videos, and user comments.
- A User Login Page for users to subscribe, comment, and save favorite articles.
- A Contact Page with a contact form, social media links, and customer support details. Include a simple contact form for users to send inquiries (Name, Email, Message). Provide company contact information, including phone number, email, and physical location (if applicable). Integration with social media platforms (Instagram, Facebook, Pinterest)
- A Navigation Bar for easy access to all pages with smooth scrolling effects.

- CSS

- Color Scheme: Choose a modern color palette that reflects the latest fashion trends. Consider using neutral colors with accent colors to make product images (e.g., black, white, gold, pastel shades, etc.).
- Typography: Use legible fonts that align with fashion industry aesthetics. Pair a clean, readable sans-serif font for body text with a bold serif or decorative font for headings. Ensure proper contrast and readability across different devices.
- Images: Use high-quality product images and fashion photography. Ensure images are optimized for fast loading while maintaining visual appeal. Implement image hover effects (e.g., product image zoom or change on hover) to enhance the user experience.
- Navigation Bar: Design a sticky navigation bar that stays at the top as the user scrolls down the page. Include links to major sections (Home, Collections, Trends, Contact). Use a hamburger menu for mobile screens to improve accessibility.
- Buttons: Design attractive, clear buttons for actions such as "Shop Now," "Add to Cart," "View Product," and "Subscribe." Use hover effects (e.g., color change) on buttons to increase interactivity.
- The footer should be consistent across all pages, containing links to the privacy policy, terms of service, social media profiles, and a brief description of the company.
- Use CSS Grid and Flexbox to design layouts for product pages, collection pages, and the homepage. These layouts should automatically adjust to the

screen size. Ensure that product listings, images, and content display correctly on various devices, from mobile phones to large desktop screens.

- Use media queries to ensure that different screen sizes (mobile, tablet, and desktop) are catered to. Adjust the layout and styling of elements based on the device's screen size.
- Use the `max-width: 100%` CSS rule to make images responsive, so they scale appropriately depending on the screen size.
- Add hover effects for interactive elements like buttons, images, and article cards.
- Use animations and transitions to enhance the browsing experience.

- JavaScript & jQuery

- Add interactive hover effects on product images, buttons, and links. For example, product images could zoom in or change when hovered over.
- Implement a slider on the homepage to showcase featured fashion trends, top-selling products, or seasonal collections.
- Implement form validation for the user registration, comments, and contact forms.
- Product filtering options on collection pages so users can easily browse products by price, size, or style.
- Implement a dynamic image gallery for fashion photos.
- Use smooth scrolling effects for a seamless navigation experience.
- Add a search functionality allowing users to find blog posts by keyword or category.
- Include a back-to-top button for better navigation.

Mini Project
on
Modern Web Development Workshop - 2 (CSE 2192)
(4th Semester)
Submitted by

Name :
Reg. No. :
Branch :
Semester :
Section :
Session : 2024-2025
Admission Batch : 2023



DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY
Faculty of Engineering and Technology, Institute of Technical Education and Research
SIKSHA 'O' ANUSANDHAN (DEEMED TO BE) UNIVERSITY
Bhubaneswar, Odisha, India
(May 2025)