EDGE-CSE CUET DIGITAL SKILLS TRAINING

Venue: CSE, IIUC

Training Type: Intermediate
Batch Number: CBI-15
Course Name: Frontend Development with ReactJs

Name of the Instructors with affiliations, emails and mobile number:

Instructor 1:

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Detail Training Schedule

Note that each slot should be of three hours and not more than a slot for a batch in a day.

Lecture	Date and Time	Topic	Location
Day 1: September 13, 2024			
Training Session - 01	9:00 am – 12:00 pm	**Introduction to Web and HTML** **Git, Source Control, GitHub and Hosting** **Practical:** Build a simple portfolio webpage using basic HTML elements (headings, paragraphs, images, and links), version control it using Git, and push the project to GitHub. Finally, host the webpage on GitHub Pages.	CN Lab, Dept. of CSE, IIUC
Day 2: September 14, 2024			
Training Session - 02	5:00 pm – 8:00 pm	**Learn and Explore CSS** ● Introduction to CSS and CSS Types (inline, internal, external)	CN Lab, Dept. of CSE, IIUC

		- CSS Selectors (basic): id, class, universal, tags - CSS Box Model: Padding, border, content, height, width - CSS Display: none, inline, block, inline-block **Practical:** Create a styled webpage using CSS to implement text formatting, box model, and display properties. Apply both internal and external CSS and push the project to GitHub.	
Day 3: September 20, 2024			
Training Session -03	9:00 am – 12:00 pm	**More About HTML** - HTML5 vs HTML: Audio, video, YouTube video, embed iframe - HTML Form: label, fieldset, legend, radio, checkbox, textarea, reset, submit - HTML Table: Table, tr, th, td, caption, colspan, thead, tbody, tfoot - Navigation: Simple navbar and internal navigation among files **Build a Portfolio Website** - Module Introduction, Project Overview, and Git Setup - Set Google Fonts, Navbar, and Primary Color - Banner Content and Portfolio Image Using Flex - Resume Section: Education and Experience Area	CN Lab, Dept. of CSE, IIUC
Day 4: September 21, 2024			
Training Session - 04	5:00 pm – 8:00 pm	**Pseudo Class, Elements, Position** **Responsive Website Layout**	CN Lab, Dept. of CSE, IIUC
Day 5: September 27, 2024			
Training Session - 05	9:00 am – 12:00 pm	**More responsive layout and Responsive portfolio**	CN Lab, Dept. of CSE, IIUC
Day 6: September 28, 2024			
Training Session - 06	5:00 pm – 8:00 pm	**HTML CSS only Landing Page - BD Architects [Code Walkthrough]**	CN Lab, Dept. of CSE, IIUC
Day 7: October 4, 2024			

Training Session - 07	9:00 am – 12:00 pm	**Optimize images, icon and more CSS** **CSS specificity, style, priority, !important** **Introduction to Tailwind**	CN Lab, Dept. of CSE, IIUC
		Day 8: October 5, 2024	
Training Session -08	5:00 pm – 8:00 pm	**Introduction to Daisy UI and project walkthrough with Daisy UI**	CN Lab, Dept. of CSE, IIUC
		Day 9: October 11, 2024	
Training Session -09	9:00 pm – 10:00 pm	**Project 2 with Daisy UI** **A simple overview of bootstrap**	CN Lab, Dept. of CSE, IIUC
		Day 10: October 12, 2024	
Training Session -10	5:00 pm – 8:00 pm	**Introduction to JavaScript** **JavaScript data types, variables, operators and basic functions** **Fundamental Concepts Array and conditionals**	CN Lab, Dept. of CSE, IIUC
		Day 11: October 18, 2024	
Training Session -11	9:00 am – 12:00 pm	**Javascript Loop and Practice Problems** **Javascript Core Concepts, functions and objects** **Apply JavaScript Concepts** **JavaScript Simple Coding Problems**	CN Lab, Dept. of CSE, IIUC
		Day 12: October 19, 2024	
Training Session -12	5:00 pm – 8:00 pm	**Integrate JavaScript (JavaScript in a Relation)** **DOM (Document Object Model)**	CN Lab, Dept. of CSE, IIUC
		Day 13: November 1, 2024	
Training Session -13	9:00 am – 12:00 pm	**Event, addEventListener, Event bubble** **Simple Interactive website using DOM manipulation** **Using Functions for code reusability** **DOM manipulation with a simple website containing Math Formula**	CN Lab, Dept. of CSE, IIUC
		Day 14: November 2, 2024	
Training Session -14	5:00 pm – 8:00 pm	**JS Recap and Basic Es6, Es5**	CN Lab, Dept. of CSE, IIUC
		Day 15: November 8, 2024	
Mid-Term Examination	9:00 am – 12:00 pm	Based on the contents of Training Session-01 to 14	CN Lab, Dept. of CSE, IIUC
		Day 16: November 15, 2024	
Training Session -15	9:00 am – 12:00 pm	**Advanced ES6**	CN Lab, Dept. of CSE, IIUC

		Understand Common JavaScript Concepts API, JSON, Data load, dynamic website	
Day 17: November 16, 2024			
Training Session -16	5:00 pm – 8:00 pm	**API Recap with 3rd Party API** **Browser Storage**	CN Lab, Dept. of CSE, IIUC
Day 18: November 22, 2024			
Training Session -17	9:00 am – 12:00 pm	**More about JavaScript** **Javascript to know for ReactJs** **ReactJs Core Concepts (Part 1) Till Conditional Rendering**	CN Lab, Dept. of CSE, IIUC
Day 19 November 23, 2024			
Training Session -18	5:00 pm – 8:00 pm	**ReactJs Core Concepts (Part 2) Thinking in React Way** **Simple React Project With 3rd Party API**	CN Lab, Dept. of CSE, IIUC
Day 20: November 29, 2024			
Training Session -19	9:00 am – 12:00 pm	**Modules and data storage Integration** **Simple React SPA with Project**	CN Lab, Dept. of CSE, IIUC
Day 21: November 30, 2024			
Training Session -20	5:00 pm – 8:00 pm	**Tailwind CSS, Axios, Rechart, Awesome components**	CN Lab, Dept. of CSE, IIUC
Day 22: December 6, 2024			
Training Session -21	9:00 am – 12:00 pm	**React Router Concept** **React Core Concept (part 3) till Context API** **Project with React Router** **Advanced React Router**	CN Lab, Dept. of CSE, IIUC
Day 23: December 7, 2024			
Training Session -22	5:00 pm – 8:00 pm	**Simple React Firebase authentication** **Email Password Authentication, Login Form**	CN Lab, Dept. of CSE, IIUC
Day 24: December 13, 2024			
Training Session -23	9:00 am – 12:00 pm	**Getting Started with Node, Express and API** **More about node js, express js, database and CRUD operation**	CN Lab, Dept. of CSE, IIUC
Day 25: December 14, 2024			
Training Session -24	5:00 pm – 8:00 pm	**CRUD Project using database**	CN Lab, Dept. of CSE, IIUC

Training Session -25	9:00 am – 12:00 pm	**JWT authentication** **Axios interceptor** **Project using JWT and axios interceptor**	CN Lab, Dept. of CSE, IIUC
Day 27: December 21, 2024			
Training Session -26	5:00 pm – 8:00 pm	**Final Project Day 1**	CN Lab, Dept. of CSE, IIUC
Day 28: December 27, 2024			
Training Session -27	9:00 am – 12:00 pm	**Final Project Day 2**	CN Lab, Dept. of CSE, IIUC
Day 29: January 10, 2025			
Final Examination	9:00 am – 12:00 pm	Based on the contents of Training Session-15 to 27	CN Lab, Dept. of CSE, IIUC