

JADAVPUR UNIVERSITY
COMPUTER AIDED DESIGN CENTRE
Faculty Council of Engineering and Technology
Kolkata - 700 032

Certificate course on

Modern Web Design and Front End Development

In this Modern age of technology, for a business to grow, every small to mid-size organization needs to have its online presence aka its official website. So the web industry needs fresh talents every day. But a job seeker has to be skilled with proper technologies. A formal college degree is not enough for that. That's why we've introduced this course to merge the knowledge gap and make you a job ready professional.

This course has been designed to provide theoretical fundamentals of the absolutely necessary stacks, like: HTML5, CSS3, Vanilla Js, JQuery, ES6, React JS as well as the practical classes to help you to have your hands on experience in working with those.

The Cad Centre is one of the oldest and best Multimedia and Web technologies in India. Lying in the heart of the city of Joy Kolkata the institute is filled with an ambience of creativity and unique experienced teaching and learning techniques by renounced, experienced and certified trainers of the institute used to impart knowledge and skills to the students encouraging them to bring in a creative and innovative touch to all their creations.

Course Duration: 48 hrs

Class Duration: Theory Sessions: 2 hrs each; Practical Session: 2 hrs each

Eligibility: Higher Secondary/Equivalent

Participants must have mobile devices running Android 4.0.3 or above; laptop/desktop computer with Windows 10; and stable internet connectivity. Google Meet should be preinstalled in the mobile device; and every Software, that will be used to teach this course are Free and Open Source.

Syllabus:

Topics	No of Theory Classes	No of Practical Classes	Total No. of Classes
Introduction to HTML, different tags, Into to HTML5 and New tags in HTML5	0	2	2
Intro to CSS, CSS selectors, Into to CSS3, New selectors in CSS3, Responsive Web Design	0	2	2

Intro to Vanillas JS, JS Data types and objects, Working with DOM, JS events	0	2	2
JS Projects(Calculator, Animated Text, Navigation menu, Sidebar, Gallery, etc)	0	2	2
Code Your First Game: The Snake Game In JavaScript	0	1	1
Code Your Second Game: Arcade Classic in JavaScript on Canvas	0	1	1
Intro to JQuery, Overview, Retrieving Page Content, Manipulating Page Content, Working with Events, Animations and Effects	0	2	2
JQuery Projects(JQuery Accordion, Scroll to a Section and Back to Top, JQuery Image Slider, JQuery-plugins-setup)	0	2	2
Bootstrap Introduction and Download, Bootstrap Grid System, Navigation, Carousel, Modal, Forms	0	2	2
Build a Portfolio Website Using HTML5, CSS3, Bootstrap 4 and JQuery	0	2	2
Modern Javascript (ES6) for React	0	1	1
React JS basics(Project structure, JSX, Adding styles, React Component, using Props, etc)	0	2	2
6 React Projects(Birthday Remainder, Tours, Reviews, Accordion, Grocery List, Cocktails)	0	3	3
	0	24	24

Certificate: Completion certificate (in printed form) will be provided at the end of the course.