Front-End Web Development

HTML, CSS, Bootstrap, JavaScript & ReactJS +SEO

COURSE & CONTENT

Available in

Online LIVE & Offline

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Why should I learn Website Development?

There are several reasons why learning website development can be valuable. Here are a few:

1. In-demand skill: In today's digital age, having the ability to create and maintain websites is a highly sought-after skill. Many businesses, organizations, and individuals need websites, which means there is a high demand for skilled web developers.
2. Career opportunities: Learning website development can lead to various career opportunities, including web developer, front-end developer, back-end developer, full-stack developer, and more. These roles can be highly rewarding and lucrative.
3. Creative outlet: Website development can be a highly creative field, allowing you to express your ideas and create visually appealing and engaging websites.
4. Entrepreneurial ventures: Having knowledge of website development can be advantageous if you're considering starting your own business or building your own website. You'll be able to create and maintain your website without having to rely on external help.
5. Improved problem-solving skills: Developing a website requires a lot of problem-solving and critical thinking. It can help you develop these skills, which can be beneficial in other areas of your life.

Overall, learning website development can be a valuable investment in your future, providing you with a highly desirable skillset that can lead to exciting career opportunities and personal projects.

Why should I learn JavaScript & ReactJS?

Learning Javascript and ReactJS can be beneficial for a number of reasons, such as:

1. High demand in the job market: Both Javascript and ReactJS are in high demand in the job market, with many companies looking for developers with these skills. This means that learning these skills can lead to a wider range of job opportunities and potentially higher salaries.
2. Versatility: Javascript is a versatile programming language that can be used in many different contexts, from front-end web development to back-end server-side programming. ReactJS, on the other hand, is a popular and powerful front-end framework that can be used to build complex, interactive user interfaces for web and mobile applications.
3. Large and active community: Both Javascript and ReactJS have large and active communities of developers who share knowledge, resources, and best practices. This means that there are many online resources and support networks available to help you learn and improve your skills.
4. Modern web development: Javascript and ReactJS are both key technologies used in modern web development, so learning them can help you stay up-to-date with the latest trends and techniques in the industry
5. Fun and challenging: Learning Javascript and ReactJS can be challenging, but also fun and rewarding. With these skills, you can build your own projects, experiment with new ideas, and create dynamic, interactive web applications.

Overall, learning Javascript and ReactJS can be a valuable investment in your career as a developer and a rewarding experience as a learner.

What are career prospects if I join this course?

Learning Javascript & ReactJS can open up many career prospects in the tech industry, as it is a widely used programming language for web development, mobile development, and even desktop application development.

Here are some potential career paths and job titles you could pursue with a strong foundation in above technologies:

1. Front-end Web Developer: Front-end web developers use HTML, CSS, and Javascript to build user interfaces for websites and web applications.
2. Full-stack Web Developer: Full-stack web developers work on both the front-end and back-end of web applications, using technologies such as Javascript, Node.js, and databases like MongoDB.
3. Mobile App Developer: Mobile app developers use Javascript-based frameworks such as React Native to build cross-platform mobile applications.
4. Game Developer: Game developers can use Javascript and game engines such as Phaser or Three.js to build browser-based games.
5. UI/UX Designer: User interface (UI) and user experience (UX) designers use Javascript to create interactive prototypes and animations.
6. Software Engineer: Javascript can also be used in server-side programming with technologies such as Node.js, making it possible to build web servers and APIs.

Overall, learning Javascript can open up many career opportunities in a variety of fields and industries, and it's a versatile language that can be used in many different contexts.

What is Website Development market size?

The website development market size is difficult to determine precisely, as it encompasses a wide range of services and products, including website design, development, hosting, and maintenance, among others. However, we can look at some industry reports and projections to get a general idea of the market size and potential.

According to a report by ResearchAndMarkets, the global web development services market size was valued at $272.2 billion in 2020 and is projected to reach $528.3 billion by 2028, growing at a CAGR of 8.6% from 2021 to 2028. The report notes that the growing demand for mobile-responsive websites, increased adoption of cloud-based platforms, and rising digitalization are some of the key drivers of market growth.

Another report by Statista projects that the global website builder software market will reach $13.6 billion by 2025, up from $7.91 billion in 2020, with a CAGR of 11.4% from 2021 to 2025. The report notes that the rise of e-commerce and online presence for small businesses and individuals is driving the demand for easy-to-use website builder software.

These projections indicate that the website development market is growing and presents significant opportunities for individuals and businesses working in the industry.
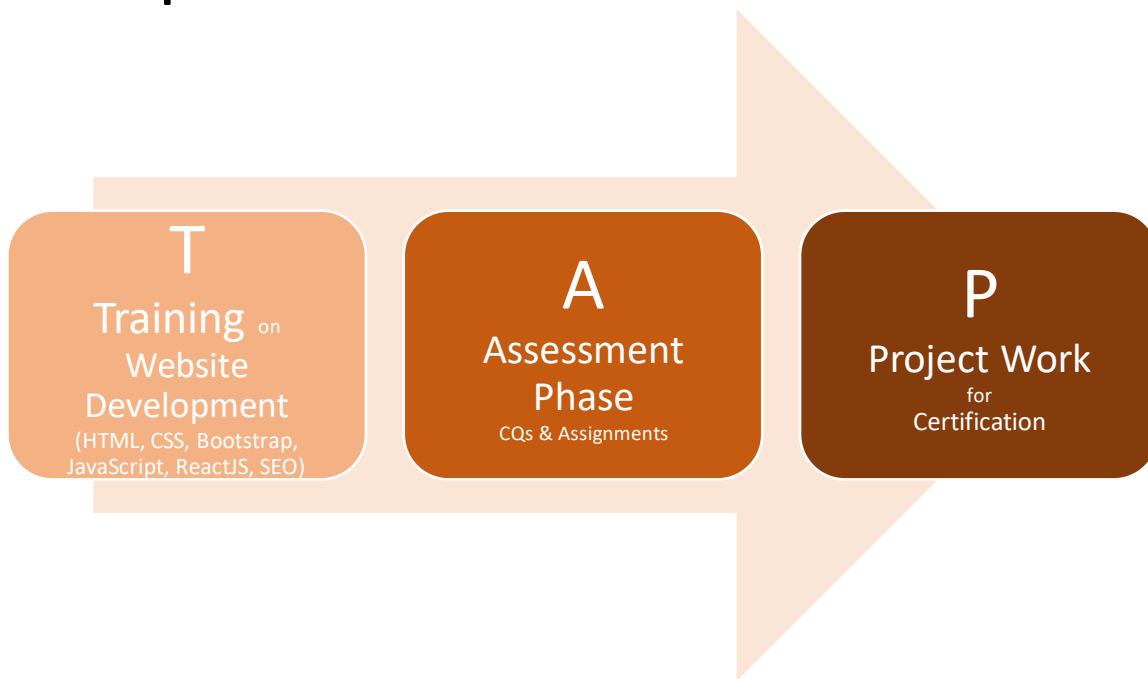
Website Development & Indian job market

The job market for website development in India is growing rapidly, and there is a high demand for skilled web developers. With the government's push towards a digital economy, the rise of e-commerce, and the increasing use of technology in businesses, the demand for web developers is expected to continue to increase.

According to a report by Naukri.com, the average salary for web developers in India ranges from INR 3.5 Lakh per annum for entry-level developers to INR 14 Lakh per annum for experienced developers. The report also notes that web development is one of the most in-demand skills in the Indian job market, with over 12000 job postings on their platform in 2021.

There are also many startups and small businesses in India that require website development services, creating additional opportunities for web developers. Moreover, with the increasing trend towards remote work, web developers in India can work for companies located anywhere in the world, providing access to a global job market.

Overall, the website development job market in India presents a promising career path, with opportunities for growth and advancement. Skilled web developers can find employment in a range of industries, from IT and e-commerce to marketing and advertising, among others.

Internship Process in a nutshell

T
Training on Website Development
(HTML, CSS, Bootstrap, JavaScript, ReactJS, SEO)

A
Assessment Phase
CQs & Assignments

P
Project Work for Certification

Internship process in a nutshell

Prerequisites of this program

Participants from CSE/IT/MCA/BCA/BSc IT/ECE background are eligible to join this program, this is a basic level program.

Infrastructural Requirements

We expect participant(s) to have

1. A laptop with Microsoft Windows configuration with minimum 8GB RAM.
2. Laptop Charger/ Adapter for charging purpose.
3. Internet Connectivity.
4. Smartphone (4G/5G)

Post Training Deliverables

Every participant will get all under mentioned deliverables

1. 50 hours training by specialized trainer.
2. Offer Letter
3. Certificate of Internship with Project Mentioning
4. Study Material / Classroom Material
5. Guidance for Entrepreneurship in chosen field or employment support.
6. Chance to assist our trainer in our workshop(s) at IISc, IITs, NITs etc.

Course & Content

All of the sessions will be practical oriented, kindly look on the syllabus which we are going to cover during training days.

HTML, CSS, Bootstrap & SEO Module

Session 1	
Internet & Websites Session	External Style Sheets
What is Internet?	Construct & Analyze rule sets
What is WWW?	Valid syntax for the CSS rule set; selectors
What is Webpage?	including class, id, elements and pseudo-class
What is a Website?	
Types of Website	**Session 4**
	Structure Documents using HTML
Session 2	Table Tags
Understand HTML Fundamentals	h1-h6
HTML	P
Metatags	br
Keywords	div
Head, Body, Footer	span
Closing tags & Commonly used symbols.	li
	Semantic Tags
Session 3	Header
Understand CSS Fundamentals	Footer
Analyze the impact of using	Summary etc.
Inline Styles	
Internal Style Sheets	

Session 5
Structure Documents using HTML -2
Markup that implements navigation
Target
Bookmark
Image Link
Hyperlink
Folder Hierarchies
Form Elements
Form Attributes: action; method; submission methods
input types & restrictions
buttons

Session 6
Present Multimedia using HTML
img & picture elements & their attributes.
Videos & simple iframe implementation.
Examples & Codes implementing multimedia

Session 7
Style Web Pages using CSS
Position Content
Positioning, including float, relative, absolute, max-width
Overflow height, width & align etc.

Format Text
Font-family, color, font-style, font-size, link colors
Text formatting & decoration.
Background & Borders
Border-color & style
Border width & colors

Session 8
Introduction to Bootstrap
Syntax of Bootstrap
Introduction to Container & Container Fluids
Connectivity of Bootstrap

Session 9
Domain & Hosting Session
Domain & Domain Names
WHOIS Lookup
Domain & Anti Domain Registration
Hosting of website

Session 10
Webpage/Website Uploading
Domain Hosting
cPanel & some of its important sections.
Error Page Configuration
Visiting webpages live & watch through Google Analytics

Session 11
Search Engine Optimization(SEO)
sitemap
meta keywords & description
favicon

Session 12
Social Media Optimizaion (SMO)
Online Reputation Management
Social Plugins & Widgets

JavaScript Module

Session 1
Introduction
Implementation
HTML Tags in Javascript
Comments
Variables
Variables (Let & Const)

Session 2
Data Types
Arithmetic Operators
Assignment Operators
JS with Google Chrome Console
Comparison Operators

Session 3
If Statement
Logical Operators
If Else Statement
If Else If Statement
Conditional Ternary Operator
Switch Case

Session 4
Alert Box
Confirm Box
Prompt Box

Session 5
Functions
Functions with Parameters
Functions with Return Value
Global & Local Variable
Events

Session 6
While Loop
Do While Loop
For Loop
Break & Continue Statement
Even & Odd with Loops
Nested Loop
JavaScript Nested Loop - II

Session 7
Arrays
Create Arrays Method - II
Multidimensional Arrays
Modify & Delete Array
Array Sort & Reverse
Array Pop & Push
Array Shift & Unshift
Array Concat & Join
Array Slice & Splice

Session 8
isArray
Array index
Array Includes
Array Some & Every
Array find & findIndex
Array Filter
Array Methods

Session 9
JS for Each Loop
Objects
Objects - II
Array of Objects
Const Variable with Array & Objects
For in Loop
Map Method

Session 10
String Methods
Number Methods
Math Methods
Date Methods

Session 11
DOM Introduction
DOM Targeting Methods
DOM Get & Set Value Methods
DOM querySelectors
DOM CSS Styling Methods

Session 12	Session 13
addEventListener Method	JS Forms
classList Methods	Form Events
parent Method	Form Events - II
Children Methods	
firstChild & lastChild Method	**Session 14**
nextSibling & prevSibling Method	JS Effects
create & TextNode	Interval
appendChild & insertBefore	Timeout
insert	
replaceChild & removeChild	
cloneNode	
Contains	
isEqualNode	

ReactJS Module

Session 1	Session 3
Home	Forms
Setup	Router
Getting Started	Memo
ES6	CSS Styling
Render HTML	
JSX	**Session 4**
Components	Hooks
	What is a Hook?
Session 2	useState Hook
Class	useEffect Hook
Props	useContext
Events	useRef
Conditional	useReducer
Lists	useCallback
	useMemo

Final Project & Discussion

Note

Eisystems Technologies reserves complete right to alter/modify above mentioned course by deleting or adding sessions in it at the time of delivery of training and attendee will not be having any issue in it as this modification/alteration can be done without any prior notification to attendee/student.