Full-Stack Development Course Modules

Delcoms full stack development course modules are designed by experts who have extensive experience in the industry in addition to being excellent teachers. Delcoms promotes multifaceted learning experience. Here, students get a chance to work on mini projects and also one capstone project.

The duration of the full-stack course is 24 weeks. The syllabus has been designed keeping the needs of students in mind.

The full-stack course content at Delcoms comprises the following modules –

Module 1:

Full stack web development course syllabus: HTML

HTML is the basic and must have skill-set for every web developer. It is used and extended by various other technologies. To be completely able to understand how things work in web development, you should develop an understanding of HTML. In this section, you will learn

- Introduction to HTML

- Browsers and HTML
- Editor’s Offline and Online
- Tags, Attribute and Elements
- Doctype Element
- Comments
- Headings, Paragraphs, and Formatting Text
- Lists and Links
- Images and Tables

Module 2:

Full stack web development course syllabus: CSS

CSS is another important language amongst the web development trifecta. It will help you style, plan a layout and control the behaviour and look and feel of the web apps that you build. In this module, you will learn:

- Introduction CSS
- Applying CSS to HTML
- Selectors, Properties and Values
- CSS Colors and Backgrounds
- CSS Box Model

- CSS Margins, Padding, and Borders
- CSS Text and Font Properties
- CSS General Topics

Module 3:

Full stack web development course syllabus: JavaScript

The third one amongst the must learn trifecta, JS is present in about 90% of the internet. To make sense of what you're doing and to design and build new web apps, this language is used predominantly, and it is indispensable. In this section you will learn the following topics:

- Introduction to JavaScript
- Applying JavaScript (internal and external)
- Understanding JS Syntax
- Introduction to Document and Window Object
- Variables and Operators
- Data Types and Num Type Conversion
- Math and String Manipulation
- Objects and Arrays
- Date and Time

- Conditional Statements
- Switch Case
- Looping in JS
- Functions

Module 4:

Full stack web development course syllabus: ReactJS

Reactjs is the best and most popular framework for front-end development. An integral part of the MERN stack, its community is great, and the demand for reactjs specialists is only increasing day-by-day. React is great for Rapid app development, SPAs and for creating awesome responsive and interactive web apps. In this topic you will learn:

- Introduction
- Templating using JSX
- Components, State and Props
- Lifecycle of Components
- Rendering List and Portals
- Error Handling
- Routers

- Redux and Redux Saga
- Immutable.js
- Service Side Rendering
- Unit Testing
- Webpack

Module 6:

Full stack web development course syllabus: NodeJS

Nodejs is a great skill to have. It is JS based, and it completes the javascript full stack experience. It is a backend skill, which is in demand and pays well. In this module, you will learn the following:

- Node js Overview
- Node js - Basics and Setup
- Node js Console
- Node js Command Utilities
- Node js Modules
- Node js Concepts
- Node js Events
- Node js with Express js

- Node js Database Access

Module 4:

Full stack web development course syllabus: PHP/MySQL

There are many reasons why students should study PHP. PHP is a popular language for web development and can be used to create dynamic and interactive websites. PHP is also a relatively easy language to learn, making it a good choice for beginners. Finally, PHP is versatile and can be used to create a wide range of applications. All of which make it an ideal language for students looking to pursue a career in web development or software development.

- Introduction to Server-Side Scripting
- PHP Basics
- Functions and Includes
- Arrays and Superglobals
- Working with Files and Directories
- Introduction to MySQL
- MySQL Basics
- Connecting PHP with MySQL
- Querying Data from MySQL
- Managing Data with PHP and MySQL

- Form Validation and Security
- Sessions and Cookies
- 13. Error Handling and Debugging
- 15. Project: Building a Dynamic Web Application with PHP and MySQL

Conclusion and Next Steps

- Recap of key concepts covered in the course
- Further learning resources and recommended next steps in full stack web development
- Q&A and final thoughts