

Full Stack Developer Course Syllabus

This Full Stack Developer Course Syllabus helps you master the most in-demand full stack development skills like HTML, CSS, JavaScript, Angular, MEAN Stack and more. Wakeupcoders Full Stack Developer Content is 100% practice-based and hands-on. Get latest Full Stack Course Content for freshers and working Professionals.

This Full Stack Developer course syllabus is designed to give you an essence of front-end, middleware, testing and back-end web developer technologies with live projects. Get updated Full Stack Web Development Course Content PDF at free of cost.

Hyper Text Markup Language (HTML5)

Module Objectives:

- Building Strong expertise to develop front end application using HTML5
- Implement responsive design to scale well across PC, tablet and Mobile Phone

Overview:

This course provides you hands-on experience and exposure to developing HTML5 based single page application for browsers. This course builds strong foundation on HTML5 which will help developer to use HTML5 concepts for building responsive web application.

Platform:

- Linux (Fedora / Mandriva / Ubuntu) or Windows Host system
- Firefox, Chrome

Detailed Course Contents:

- Introduction HTML
- HTML Basics
- HTML Elements
- HTML5 Semantic
- HTML Attributes
- HTML Headings
- HTML Paragraph
- HTML styles
- HTML Formatting
- HTML Quotations
- HTML Computer Code
- HTML Comments & Colors

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- HTML CSS, Links and Images
- HTML Lists
- HTML Blocks
- HTML Classes
- HTML Layout
- HTML Responsive
- HTML iframes
- HTML JavaScript
- HTML Head

Cascading style Sheet (CSS)

Module Objectives:

- Building Strong expertise to develop front end application using CSS3
- Implement responsive design to scale well across PC, tablet and Mobile Phone

Overview:

This course provides you hands-on experience and exposure to developing CSS3 based web application. This course builds strong foundation on CS33 which will help developer to use CSS3 concepts for building responsive web application

Platform:

- Linux (Fedora / Mandriva / Ubuntu) or Windows Host system
- Firefox, Chrome

Detailed Course Contents:

- Introduction CSS3
- CSS3 syntax
- CSS3 How To
- CSS3 Colours
- CSS3 Backgrounds
- CSS3 Borders
- CSS Padding
- CSS Height/Width
- CSS3 Gradients
- CSS3 Shadows
- CSS3 Text
- CSS3 Fonts
- CSS3 2D Transforms
- CSS3 3D Transforms

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- CSS Links
- CSS Lists
- CSS Tables
- CSS Box Model
- CSS Outline
- CSS Display
- CSS Max-width
- CSS Position
- CSS Float
- CSS Inline-block
- CSS Align
- CSS Combinators
- CSS Pseudo-class
- CSS Pseudo-element
- CSS Navigation Bar
- CSS Dropdowns
- CSS Tooltips
- CSS3 Images
- CSS Attr Selectors
- CSS Forms
- CSS Counters
- CSS3 Animations
- CSS3 Buttons
- CSS3 Pagination
- CSS3 Multiple Columns
- CSS3 User Interface
- CSS3 Box Sizing
- CSS3 Filters
- CSS3 Media Queries.
- CSS3 Responsive

Bootstrap

Module Objectives:

- To become proficient in Bootstrap concepts
- To develop a web pages based on Bootstrap

Overview:

This course is targeted for fresh engineers or professional who want to build competency in the Bootstrap Based web development.

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Platform:

- Linux (Fedora / Mandriva / Ubuntu) or Windows Host system
- Firefox, Chrome

Detailed Course Contents:

- Introduction to Bootstrap
- Bootstrap Basics
- Bootstrap Grids
- Bootstrap Themes
- Bootstrap CSS
- Bootstrap JS

Learn Full Stack Developer Course to Boost your Career with our**JavaScript****Module Objectives:**

- Building Strong expertise to develop front end application using HTML5, CSS3 and JavaScript along with jQuery and Angular framework
- Implement responsive design to scale well across PC, tablet and Mobile Phone

Overview:

This course provides you hands-on experience and exposure to develop JavaScript based web application. This course builds strong foundation of JavaScript which will help developer to apply JavaScript concepts for responsive web frontend and backend development.

Platform:

- Linux (Fedora / Mandriva / Ubuntu) or Windows Host system
- Firefox, Chrome

Detailed Course Contents:

- Introduction to JavaScript
- JavaScript Language Basics
- JavaScript Objects
- JavaScript Scope
- JavaScript Events
- JavaScript Strings

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- JavaScript Numbers
- JavaScript Math
- JavaScript Arrays
- JavaScript Boolean
- JavaScript Comparisons
- JavaScript Conditions
- JavaScript Switch
- JavaScript Loops
- JavaScript Type Conversion
- JavaScript RegExp
- JavaScript Errors
- JavaScript Debugging
- JavaScript Hoisting
- JavaScript Strict Mode
- JavaScript Functions
- JavaScript Objects
- JavaScript Forms
- JavaScript HTML DOM
- JavaScript BOM

jQuery

Module Objectives:

- Building Strong expertise to develop front end application using HTML5, CSS3 and JavaScript along with jQuery and Angular framework
- Implement responsive design to scale well across PC, tablet and Mobile Phone

Overview:

This course provides you hands-on experience and exposure to develop jQuery Mobile based responsive web application. It builds strong foundation of jQuery which will help developer to apply concepts for responsive web frontend development.

Platform:

- Linux (Fedora / Mandriva / Ubuntu) or Windows Host system
- Firefox, Chrome

Detailed Course Contents:

- Introduction to jQuery
- jQuery Syntax
- jQuery Selectors

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- jQuery Events
- jQuery Effects
- jQuery HTML
- jQuery Traversing
- jQuery AJAX & Misc

MEAN Stack Course Outline

Angular (Type Script)

- Introduction to Angular
- Angular Application Architecture
- What is NgModule
- Angular Components
- Angular Templates
- Data Binding
- Types of Data Binding
- Modules Component Working
- Directives
- Structure Directives
- Template Routing
- Theme Implementation in Angular Framework
- Angular Forms
- Services
- Inject Services
- Angular Server Communication With Backend Server
- Working of Api's(GET,POST,PUT,DELETE)
- Complete Web application In Angular Framework

Nodejs

- Introduction to Nodejs
- Architecture of Nodejs Application
- Synchronous and Asynchronous Programming
- Call back Function in nodejs
- Promises in Nodejs
- MongoDB with Nodejs
- Design the Schema in Nodejs
- Design the Rest API's
- GET,POST,PUT,DELETE
- JSON web Token Authentication in nodejs
- Create the Auth APP in nodejs
- Create the E-commerce Backend
- Integrated Payment Gateway

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ExpressJS (Building RESTFUL API's Using Express)

- Express
- Restful services
- Introducing Express
- Building your First Web Server
- Nodemon
- Environment Variables
- Route Parameters
- Handling HTTP GET Request
- Handling HTTP POST Request
- Calling Endpoints Using Postman
- Input Validations
- Handling HTTP PUT Request
- Handling HTTP DELETE Request
- Project- Build the Genres API

Express- Advanced Topics

- Middleware
- Creating a Custom Middleware
- Built-in Middleware
- Environments
- Configuration
- Debugging
- Templating Engine
- Database Engines
- Database Integration
- Authentication
- Structuring Express Applications

MongoDB

- Introduction to MongoDB (No-sql)
- Collections in MongoDB
- Documents In mongoDb
- Difference between Mysql and NoSql
- Inserting data into database
- Filter queries in MongoDB Database
- Schema Validation in MongoDB database
- Indexing In collections
- Aggregation in MongoDB
- Embedded Document in MongoDB