



FRONTEND DEVELOPMENT

Using Angular

Course duration : 4 - 6 months

 **4.9**
Google Rating

**Offline/Online
Program**

**300 Hours
of Live Classes**

LMS Access

**Internship
Certificate**

MASTER FRONTEND DEVELOPMENT

Table of contents

01 Founder's Message

02 About IT Shaala

03 Course Content

04 Reviews

05 Placement

06 Life at IT Shaala



Founder's Message

IT Shaala is a Leading IT Training Provider for Web Development & Software Development Courses in Pune. It is one of the best Online/Classroom Training Institute, which provides High-Quality Industry Level Training with Real Time Projects. IT Shaala is Institute which broadcasts IT training from basic to advanced technologies.

IT Shaala has specially designed Job Oriented Programme for "Freshers" and "Job Seekers". We provide training by Expert Trainers who are having 15+ years of industry experience, who guide the candidate with the best knowledge and work culture of most IT companies. The training would be accompanied by live project and placement support, which makes the candidates ready to be absorbed in the industry. Our Institute conjointly gives a chance within their educational programs to meet the needs with projected desires of quick developing networking trade.

“

As you embark on your journey from student to professional, remember that every challenge is an opportunity to grow and excel.

”



About IT Shaala

Aim

At IT Shaala, our aim is to empower individuals with the knowledge and skills needed to thrive in the fast-paced world of information technology. We strive to provide accessible and practical education that opens doors to new opportunities.



Vision

Our vision at IT Shaala is to be a trusted leader in IT education, inspiring lifelong learning and driving positive change in individuals' lives. We envision a future where everyone has the chance to excel in the digital age, regardless of their background or circumstances.



Mission

Our mission at IT Shaala is simple: to deliver high-quality IT training that transforms lives. We're dedicated to fostering a supportive and inclusive learning environment where students can grow personally and professionally, reaching their full potential in the world of technology.

Scope in the industry



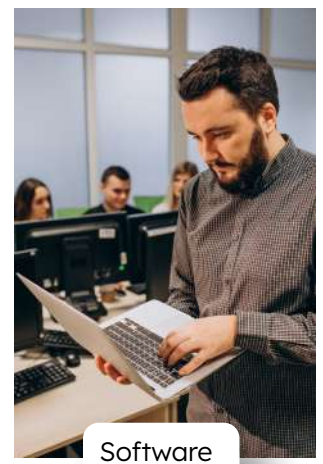
Frontend Developer



Angular Developer



SQL Developer



Software Trainee

Course Syllabus

HTML

- 1. Web Programming Introduction**
 - The architecture of a website
 - Different technologies in making the website
 - Web Development Introduction
- 2. Introduction**
 - History of HTML
 - Syntax of HTML
- 3. Headers**
 - Different types of tags used inside HTML headers
- 4. Different Types of Tags**
 - Basic Tags
 - Formatting Tags
 - Grouping Tags
 - List Tags
 - Table Tags
 - Form Tags
 - Other HTML Tags
- 5. Semantic HTML Elements**
 - Different semantic HTML elements and it's use case

CSS

- 1. Introduction**
 - Introduction of CSS
 - Benefits, History of CSS
- 2. Syntax**
 - Syntax
 - Different ways to add CSS
- 3. Selectors and Specificity**
 - Types of selectors
 - CSS specificity
- 4. Types of CSS properties**
 - Background
 - Border
 - Padding
 - Text Fonts
 - List
 - Display and Positioning
 - Other types of CSS Property
- 5. Box Model**
 - Introduction to Box Model

Bootstrap

1. Introduction

- a. What is Bootstrap Framework
- b. Why Bootstrap
- c. Advantages of Bootstrap Framework
- d. What is Responsive web page
- e. How to remove Responsiveness
- f. Features of Bootstrap
- g. Mobile-First Strategy
- h. Environment Set up
- i. Implementing Bootstrap in Applications

2. Bootstrap Grid

- a. Bootstrap Grid and implementation of Bootstrap Grid
- b. What is Container & Offset Column

c. Reordering Columns

- d. Advantages of Bootstrap Grid
- e. Display responsive Images & change class properties
- f. Customize Bootstrap's components & jQuery plug-in
- g. Bootstrap Typography & its use
- h. Bootstrap Tables, Form Layout & Bootstrap Button
- i. Muted and Warning Text Messages
- j. Carets Classes / Hide or show the text in Bootstrap
- k. Bootstrap Components / Plugins

Javascript

1. General overview of JavaScript

- a. Prerequisite of JavaScript
- b. Introduction and history of JavaScript
- c. How to include/add JavaScript in HTML

2. Syntax, Variables, Values, Data Types

- a. Syntax review
- b. Variable declaration
- c. Data types supported in JavaScript
- d. Key Difference between Var, Let, and Const

3. Expressions and Operators

- a. What are Operators in JavaScript
- b. Different types of Operators in JavaScript

4. Control structures

- a. Flow control and conditionals
- b. Loops and iteration
- c. Jumps

5. Error handling

- a. Throwing errors
- b. Error handling

6. Data types with methods supported

- a. String
- b. Numbers
- c. Arrays
- d. Functions

7. JSON

- a. What is JSON and syntax of JSON

8. Regular Expressions

- a. Creating regular expressions for matching patterns

9. Objects

- a. Creating object
- b. Properties
- c. Methods
- d. Build-in JavaScript objects

10. ES6 Features.

11. Iterators and generators

- a. Working with Iterators
- b. Working with Generators

12. Prototype-based Object Oriented Programming

- a. Defining Constructors
- b. Prototypes
- c. Inheritance

13. JavaScript in the Web browser

- a. Embedding JavaScript in HTML
- b. Execution of JavaScript code

14. Browser Object Model

- a. Introduction to the browser object model
- b. Different use cases of a browser object model

15. Document Object Model

- a. Document structure/DOM tree
- b. HTML elements and attributes
- c. Creating, changing, and deleting nodes

16. Handling Events

- a. Types of events
- b. How to control events

17. Ajax*

- a. JavaScript and HTTP communication
- b. Synchronous and asynchronous request

18. JavaScript Async

- a. JavaScript Callback
- b. Promises
- c. Async/Await

19. Data Storage

- a. Cookies
- b. Web Storage
- c. IndexedD

Angular

1. Introduction to Angular

- a. Overview of Angular and its architecture
- b. Key concepts: modules, components, templates, and services

2. Setting Up an Angular Development Environment

- a. Installing Node.js and npm
- b. Setting up the Angular CLI (Command Line Interface)

3. Understanding Angular Components

- a. Components and their role in Angular applications
- b. Creating and using components
Component lifecycle hooks

4. Templates and Data Binding

- a. Angular templates and expressions
- b. Data binding: one-way and two-way
- c. Interpolation and property binding

5. Directives and Pipes

- a. Using built-in directives (ngIf, ngFor, etc.)
- b. Creating custom directives
- c. Introduction to pipes for data transformation

6. Services and Dependency Injection

- a. Building and using Angular services
- b. Understanding dependency injection
- c. Singleton services and service providers

7. Routing in Angular

- a. Setting up and configuring the Angular Router

- b. Navigation and route parameters
 - c. Route guards and lazy loading modules
- 8. Forms in Angular**
- a. Template-driven forms vs. Reactive forms
 - b. Form validation and error handling
 - c. Working with form controls and validators
- 9. HTTP Client and API Integration**
- a. Making HTTP requests in Angular
 - b. Handling responses and errors
 - c. Interacting with RESTful APIs
- 10. State Management with NgRx (Optional)**
- a. Introduction to the NgRx state management library
 - b. Actions, reducers, and effects
- 11. Angular and Observables**
- a. Understanding RxJS and observables
 - b. Using observables for handling asynchronous operations
 - c. Operators for data manipulation
- 12. Building Progressive Web Apps (PWAs) with Angular**
- a. Introduction to PWAs
 - b. Building and deploying a PWA
- 13. Angular Best Practices and Patterns**
- a. Code organization and project structure
 - b. Design patterns for Angular applications

My SQL

- 1. Introduction to Databases and MySQL**
- a. Overview of databases and their importance
 - b. Introduction to MySQL and its features
- 2. Installation and Configuration**
- a. Installing MySQL server and client
 - b. Configuring MySQL for the first use
- 3. Basic SQL Syntax**
- a. SELECT, INSERT, UPDATE, DELETE statements
 - b. Creating and modifying tables
 - c. Understanding data types
- 4. Querying Data**
- a. Filtering and sorting data
 - b. Using WHERE and ORDER BY clauses
 - c. Aggregating data with GROUP BY
- 5. Joins and Relationships**
- a. Understanding different types of joins
 - b. Creating relationships between tables
- 6. Indexing and Optimization**
- a. Importance of indexing
 - b. Optimizing queries for better performance
- 7. Data Integrity and Constraints**
- a. Enforcing data integrity with constraints
 - b. Using PRIMARY KEY, FOREIGN KEY, UNIQUE, and CHECK constraints
- 8. Introduction to Stored Procedures and Functions**
- a. Creating and using stored procedures
 - b. Defining and calling functions

Mongo DB

1. Introduction to NoSQL and MongoDB

- a. Overview of NoSQL databases
- b. Introduction to MongoDB and its features

2. Installation and Configuration

- a. Installing MongoDB
- b. Configuring MongoDB for the first use

3. Basic CRUD Operations

- a. Creating, reading, updating, and deleting documents
- b. Understanding collections and documents

4. Querying Data

- a. Query language and syntax
- b. Filtering and sorting data
- c. Using projection to retrieve specific fields

5. Indexes and Performance

- a. Importance of indexing in MongoDB
- b. Creating and managing indexes
- c. Analyzing and optimizing queries

6. Data Modeling in MongoDB

- a. Designing collections and documents
- b. Embedding vs. referencing documents
- c. Schema design best practice

Student Reviews

A testament to the power of determination, hard work, and dedication. Read what our alumni have to say about their experience with us.

Komal Kale



The instructors at IT SHAALA are undoubtedly experts in their fields. They were not only knowledgeable but also adept at conveying complex concepts in a clear and understandable manner.



Sandesh Dongardive



Great learning experience at ITshaala, ITshaala provides quality training and the best infrastructure. I got best guidance from Sandeep sir. IT shaala helped me to shape my carrier as IT professional.



Kishor Pol



Had a fanstastic learning experience at IT Shaala, one of the top institute for Backend Developer training. The institute offers excellent training and top-notch infrastructure



Pruthviraj Gaikwad



I have been taking classes for a month now and I am getting good knowledge here .Sandeep sir's teaching method is very nice, nonteaching staff is also supportive .If you want to get knowledge then this is the right place.



Student Placements



Vaibhav Kadam
FullStack Developer



Pratik Gole
Software Engineer



Kedar Thakur
Software Engineer



Akshay Jadhav
Backend Developer



Rohan Bhadke
FullStack Developer



Avanti Urkude
FullStack Developer



Vinay Divekar
Sr.Associate Developer



Pratik Yawalkar
Software Developer

Life at IT Shaala

"In the lifecycle of an IT student, each phase represents a stepping stone towards mastery. From the eager anticipation of enrollment to the relentless pursuit of knowledge, and finally, the triumphant transition into a successful career.



"Embark on the journey of IT education with enthusiasm, navigate through challenges with determination, and emerge as a skilled professional ready to make your mark in the digital landscape. "



IT Shaala

Address : Office No - 211, 2nd floor, Kakade Bizz Icon
Shivajinagar, Pune - 15

For any query, Connect us at:

 +91 88620 64497  info@itshaala.com

