



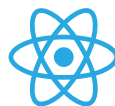
School Of
Techies

Fullstack

Development

4 Months & 8 Technologies

“Become a Fullstack developer”



Build your career with us!



Introduction To Web Technologies

Need of creating a website
Technologies to learn and use of it
Need of text editors (VS Code)
Creating a Project in VS Code
Structure of HTML
HTML Tags/Elements & Attributes

Working with Text Elements

Heading Tags
Paragraph tags
Formatting tags
Quotations & Comments
Mark Tag, sup, sub, Progress,
Iframe tag
Entities & References

Introduction to CSS

Types of CSS
CSS Syntax
Applying CSS to text elements
Adding class and Id
Adding a Custom font

Adding Images to Webpage

Adding image via HTML
Adding background image
Resizing images using CSS
Adjusting image position

Working with links

Creating links and attributes
Creating mail link
Creating a website by
linking pages

Types of list

Ordered list
UnOrdered list
Definition list

Working with Pseudo Classes

Link, Visited, Hover, Active
nth-child
first-child, last-child

Working with Pseudo Elements

first-line
first-letter
before and after



HTML5 Semantic Elements

- Article
- Aside
- Section
- Header
- Footer
- Nav
- Figure
- Figcaption
- Summary

Working with Multimedia Tags

- Audio
- Video

Play with Tables

- Understanding Rows & Columns
- Creating a mock table
- Styling my Table
- Working with Rowspan
- Working with Colspan

Understanding HTML Element Types

- Block Level
- Inline element

Styling Div Elements

- Understanding Box Model in CSS
- Adding Padding and Margin
- Adding Borders and Border Radius
- Applying Shadow props
- Working with outlines
- Working with Position

Applying Background Color

- Linear Gradient and Radial Gradient
- Opacity
- Overflow-x and Overflow-y

Working with image Sprites

Importance of Flexbox

- Flexbox props
- Flex-direction
- Flex-flow
- Flex-wrap
- Align content & Justify Content
- Align Items

Creating Responsive Web Design

- Media queries
- Working with Animation
- Working with Transition



HTML & CSS helps us to create websites and web applications for desktop, tablet and mobile devices and these modules are designed in a way that it will be useful for interview and project purpose.

8

Sessions

1.5hrs/
session

2

Projects

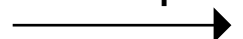
1

Exam



School Of
Techies

Javascript



Javascript – The BACKBONE

Introduction to Javascript

Code editors

Developer console

Syntax & Statements

Variables & DataTypes

Code structure

Type Conversions

Interaction: alert, prompt, confirm

Understanding DOM

Changing HTML Elements using JS

Changing HTML Attributes using JS

Changing CSS Styling using JS

JavaScript Fundamentals

Conditional branching: if, '?'

Switch Statements

Loops

Functions Basics

Arrow functions, the basics

Comments

Advanced working with functions & Objects

Variable scope, closure

Objects

Object methods, "this"

Call/apply

Function Prototypes

Datatype and its functions

String Functions

Number Functions

Math Object

Array Functions

DOM Manipulation

Add / Remove classes using Javascript

Working with Events

DOM Events

Timer Events

Mouse & Keyboard Events

Form Validation

Network requests

Understanding AJAX

Components of AJAX

XMLHttpRequest

Working with Status Codes

JSON Vs XML

Loading Mock data into UI

Designing e-commerce

layout using AJAX

Javascript is the backbone for web development. It helps us to create interaction between computer and user, thus creating an engaging interface. Its highly useful for building dynamic websites.

7

Sessions

1.5hrs/
session

2

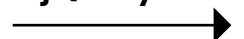
Projects

1

Exam



jQuery





Need of jQuery

Why jQuery is introduced?
Difference between-
Javascript & jQuery
How easy is jQuery?
Prerequisites for jQuery
Download jQuery library
CDN links
Need of noConflict

Introduction

jQuery syntax
Working with events
Understanding selectors & Recap
Program using jQuery and JS
Writing CSS using jQuery

Animations using jQuery

Show/Hide
Fade In/ Fade Out
Slide Up/Slide Down
Animate

Getters and Setters

Get the DOM element value
Set the DOM element value
Adding an element
Removing an element
Working with addClass &
removeClass
Need of Callback
Use of Chaining

jQuery Traversing

Ancestors – Bottom Up Approach
Descendants – Top Down Approach
Siblings Selectors
jQuery Filter Methods

AJAX using jQuery

How is it different from JS?
Building e-Commerce layout
jQuery UI discussion

Creating a Project

Small Application using jQuery
Practise programs



Onboarding sessions will help you to understand the course modules and will help you to kick start your Designing course easily.

7

Sessions

1.5hrs/
session

2

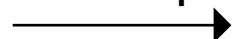
Projects

1

Exam



Bootstrap





Introduction to Bootstrap

Need of learning Bootstrap
Download ready-to-use code
Media Queries Vs Bootstrap
What's there and what makes it easy?
Creating responsive templates
Adding Bootstrap to Project

Grid System Layout

Need of a container &
container-fluid
Bootstrap 3 Vs Bootstrap 4
Understanding rows and columns
Bootstrap Classes and Breakpoints
Auto layout Columns

Bootstrap Content

Typography
Images
Tables
Figures
Forms

Bootstrap Components

Creating Buttons with contextual Classes
Badges & Labels

Cards

Spinners and Tooltips
Progress
Toasts & Alerts
Breadcrumb
Pagination

Advanced BS

Components:

Creating Carousel
Popover
Working with Modal
Creating Navs & Tabs
Responsive Navbar
Collapse
Scrollspy

Creating a Responsive Website

Template Creation 1
Template Creation 2

Bootstrap is useful for creating responsive front-end web development. We can quickly design and customize websites with different terminologies available in this course. This course contains CSS and JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

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Sessions

1.5hrs/
session

2

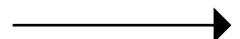
Projects

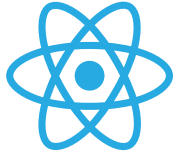
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Exam



React





Getting Started with React

- Create a New React App
- Installing dependencies
- Understanding React Architecture
- Running the project in localhost

Integrating with Other Libraries

- Understanding Package.json
- Installing Material UI
- Installing React Bootstrap

Basic Concepts

- Printing Statements from JSX
- What are Components and its types?
- Props
- State and setState

React Forms

- Working with forms and form validation

Event Handling

- Different ways of binding events

Life Cycle Methods of React

- Initializing Phase
- Mounting Phase
- Updating Phase
- Unmounting Phase

React Routing

- Creating Route and Navlinks

React Fragments

- Need of fragments with example

Handling Errors

- Working with Error Boundaries

Higher Order Components

- Creating a common function to share among multiple components

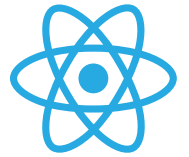
Creating Context

- Creating Context with Provider and Consumer

Working with Ref's

- Ref and forward ref's





Working with Axios

Handling HTTPS Requests
Deriving data from API
and populate on UI

Creating a Project POC

React Project 1 from reactjs.org
Hosting a React Proj using Netlify

Introduction to React Hooks

Need of learning Hooks
Using the State hook
Using the Effect hook



Talking about React, it is actually the best library developed and maintained by Facebook that mainly focuses on building and rendering components for a web page. It is useful for creating web applications like Facebook, Instagram etc. React will efficiently update your web page by rendering the right components. React is most widely used by Facebook, Airbnb, Uber, Netflix, Instagram, Whatsapp, Dropbox.

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Sessions

1.5hrs/
session

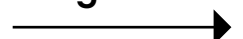
2

Projects

1

Exam

Angular





Introduction to Angular

What is Angular JS?
Need of migrating to
Angular 2+
Current Version of Angular
and updates

Typescript Features

Getting Started with TypeScript
Working with tsc
TypeScript Features
TypeScript Classes
Function: Inferring the types
Interfaces
Generic Types
Generic Classes
Generic Constraints
Decorators
Property, Class, Parameter
Decorators
Exports
External Modules
Namespace & Mixins

Software Requirements

Setting up Environment
Creating first angular app

Understanding Component

Basics of component
Component Decorator
Component Decorator details
Creating Components
Passing data to a Component
Responding to Component Events
Component Lifecycle
Advantage and limitations
of component

Data Binding in Angular

One Way & Two Way Data Binding
Understanding Modules
Angular Bootstrap Process

Forms in Angular

Two way data binding with ngModel
User Input
Form Controls in Angular
Controls and Control Groups
Form & NgForm
Validation & Error Handling
CSS-Forms

Dependency Injection in Angular

Dependency Injection
Why dependency injection?
Dependency Injection Usage
Configuring the injector
Injectable Decorators
Dependency Injection Tokens

Introduction to Directives

Attribute Directives
Difference between Directives and Components
Create new Attribute Directives
Structural Directives
Creating Structural Directives
Directive Metadata
Directive Types

Pipes

Chaining pipes
Parameters in Pipe
Custom Pipe
Async Pipes
Built In Pipes

Routing & Navigation

Basic introduction to Router
Route configuration
RouteConfig,RouterLink, RouterOutlet
Child Routes

Services, Providers

Services in Angular
Injecting the HeroService
An Overview on Providers
Example on Services

Events in angular

Event Emitter Class
Emit Method & Next Method,
Subscribe Method

Observables & RxJS

Observables
The RxJS Library
Observables in Angular
Practical Usage



Angular, It is a JavaScript framework maintained by Google, which is client-side and browser-based. It is actually like all in one framework unlike react. Angular is basically built on TypeScript which is a superset of JavaScript. Even with Angular we will get a very good support during our dev phase. Angular is used widely by most popular brands like Google, Nike, Forbes, Upwork, General Motors, HBO, Sony.

15

Sessions

1.5hrs/

session

2

Projects

1

Exam



Core Python

Introduction

- History
- Features
- Setting up path
- Working with Python
- Basic Syntax
- Variable and Data Types
- Operator

Conditional Statements

- If
- If- else
- Nested if-else

Looping

- For
- While
- Nested loops

Control Statements

- Break
- Continue
- Pass

String Manipulation

- Accessing Strings
- Basic Operations
- String slices
- Function and Methods

Tuple

- Introduction
- Accessing tuples
- Operations
- Working
- Functions and Methods

Dictionaries

- Introduction
- Accessing values in dictionaries
- Working with dictionaries
- Properties
- Functions

Functions

- Defining a function
- Calling a function
- Types of functions
- Function Arguments
- Anonymous functions

Global and local variables

- Modules
- Importing module
- Math module
- Random module
- Packages
- Composition



Input-Output

Printing on screen
Reading data from keyboard
Opening and closing file
Reading and writing files
Functions

Exception Handling

Exception
Exception Handling
Except clause
Try ? finally clause
User Defined Exceptions

Advance Python

OOPs concept

Class and object
Attributes
Inheritance
Overloading
Overriding
Data hiding

Regular expressions

Match function
Search function
Matching VS Searching
Modifiers
Patterns

CGI

Introduction
Architecture
CGI environment variable
GET and POST methods
Cookies
File upload

Database

Introduction
Connections
Executing queries
Transactions
Handling error

Networking

Socket
Socket Module
Methods
Client and server
Internet modules

Multithreading

Thread
Starting a thread
Threading module
Synchronizing threads
Multithreaded Priority Queue





Python is a programming language that is interpreted, interactive, object-orientated. By nature, Python is easy, making it one of the fastest languages in terms of development speed. For just about everything, Python has a wide range of pre-built libraries. Due to its easy and clean syntax, Python code takes less time to write, and accelerates the ROI of commercial projects.

15

Sessions

1.5hrs/
session

2

Projects

1

Exam



Creating a Web Designer Resume

Hosting your websites using free servers

Creating [Linked in](#) acct

Freelancing tips

Interview tips & training

Mockup Interviews



Resume and Portfolio is must for a designer to get a job and also for Freelancing.

3

Sessions

1.5hrs/
session

2

Mockup
Interviews

Benefits of learning at School Of Techies



Experienced Mentors



Regular Workshops



At your own pace



Anytime Doubt
Clarification



Alumni Connect



Placement Training



Portfolio Assistance



Freelance Training

Here in this chart, our web design technologies occupies 1st, 2nd and 4th position in world ranking!



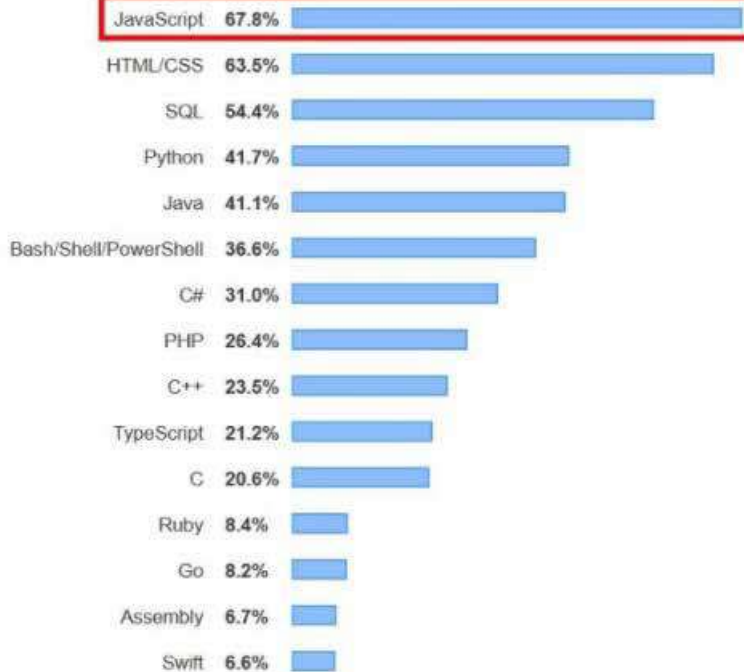
Image Source: Stack Overflow

Most Popular Technologies

Programming, Scripting, and Markup Languages

All Respondents

Professional Developers





Certificate

of completion

This certification is delightfully presented to

for succesfully completing
Fullstack Development



course here at **School of Techies** with outstanding work. All the very best!

Weslin Samuel
Founder

Issue date

Prasannakanthan
Mentor

What are the merits of being a Full stack developer?

Based on the requirements of the project, a competent Full Stack developer is often able to switch between front end and back end creation. Studies also found that a Full Stack developer can get fresh technologies and tools up - to - date faster than someone who only specializes in front end or back end technology.

What are their career possibilities?

Each project would require a user interface, and therefore, relative to any other technology, the need for web developers and the necessary job opportunities are plentiful.

How will this course will add value to my portfolio?

Since web development tools are commonly used in many projects regardless of backend technology, qualification in these courses would have a huge benefit during the recruiting process, and opportunities are large in numbers.

What are my options if I happened to miss a session?

No need to worry, another session or a recorded video of the missing session will reward you.

Do I get schedule according to my requirement?

As our intention is to take this in a much more friendly way, absolutely yes.



Here are our few testimonials from



Hi, I have finished my web designing course in this Institute. **The trainer was very co-operative making the subject a lot easier to understand and very effective way of responding to doubts.** I am very well satisfied with the trainer and with their training. I thank faculty for providing me the best training in web designing.

-Gayathri

Web Design & Development



I can say honestly that this is a **good platform to enhance our Technical Skills.** Personally, I liked the way in which the trainers approached me and my batchmates. The mode of classes were also appreciable. Another thing to be noted is that **they make Class schedule according to the learner's comfort.** I am Grateful for my trainer for the journey through which I learnt Web designing and Javascript.

-Hari

Web Design & Development



I have completed my web designing course. **Thanks to faculty for giving me clarity in subject and clearing all my doubts.** It was a nice experience altogether as I learnt practically a lot. I look forward to get some more training in future. **The faculty is very well experienced.** I really enjoy and I have finished my course happily... Thank you Prasanna sir

-Julia

Web Design & Development



Call us now
For more details



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