

FULL STACK **Web Development**

Python & Django



Web Development

Python & Django

COURSE ROADMAP



HTML 5



CSS 3



Bootstrap



Javascript



Python



Django

ABOUT US

Tecnsol Trainings is the platform where we make yourself according to future needs. Where you can choose a better line to empower yourself in the field of **information technology**. Tecnsol Trainings leads with **skilled professionals' trainers** who are experts in their top-notch. Tecnsol Trainings started in a comprehensive way in trainings that fulfill the expectations of trainees.

Tecnsol Trainings launched different types of trainings regularly, **hundreds of students/trainees** are polished their skills beyond confidence by securing their talent in the favour of expanding IT industry. Come to us in training sessions, events, and effective seminars to emerge your empowerment to lead the.

Your Believe

About US

25+ COURSES

Tecnsol trainings provides more than 25 courses. With up to date course content and practices.



2000+ Alumni

Tecnsol has trained more than 2,000 students till now. They are all experts in their courses



95% Achievers

More than 95% of students get a job after completing their course.



20+ Instructors

Tecnsol has more than 20 instructors who are experts in their top niches



Why Learn



FULL STACK
WEB DEVELOPMENT

WITH
TECNISOL
TRAININGS





Expert Trainers

You will learn from **expert trainers** having 10+ years of experience in the field. We ensure high-quality training always aimed at **career-building**.



Completely Practical-Oriented

Full Stack Web Development is a skill that requires immense practice. For that, we offer **100% practical training** with regular assignments, assessments, and **projects**.



Industry-Recognized Certification

The **certificate** you receive on course completion is valid nationally and internationally. You can easily share it, add it to your resume, and **explore great opportunities**.



Online & Offline Batches

You can upskill yourself from anywhere by joining our live training batches. We also **provide intensive & digitized** classroom training in Faisalabad.



Career Assistance

To help you build a great career as a **web developer**, our team offers you career guidance, prepares you for interviews, and assists you in finding **job opportunities**.



Hands-On 15+ Projects

You will get to work on **multiple projects** during the training so that you gain some experience and confidence in building robust and **responsive websites** and **web apps**.



Comprehensive Curriculum

The Full Stack **Web Development** course by **Tecnsol Trainings** Tech includes **Pakistan** most comprehensive curriculum, covering all breadths and depths in detail & **practically**.

Course Curriculum

HTML 5

(Hypertext Markup Language)

Module 1

Getting Started With Web Development

- Introduction to web development
- Overview of Internet and its fundamentals
- Client server architecture
- Web browser
- Web development Tools

Module 2

Getting Started With HTML

- Writing a Hello World program in HTML
- Useful VSCode extensions
- HTML comments
- Web browser
- Element and Tag in HTML
- Grouping of HTML elements

Module 3

Core HTML

- HTML Attributes
- Understanding Formatting Tag
- Inline Element VS Block Level Element
- List
- Anchor Tag
- HTML tables

- HTML classes and ID
- Project with HTML

Module 4

Media and Forms

- HTML Media
- HTML Form Element
- HTML Events
- HTML Entities
- Accessibility in HTML
- Basic Emmet Syntax and Abbreviation

Module 5

SEO

- What is SEO?
- Introduction to head tag
- Title, Link, Style, Meta Tags
- Benefits of Using Meta Tags
- Introduction to Meta Tags and Their uses



Course Curriculum

CSS 3

(Cascading Style Sheets)

Module 1

Starting with CSS

- Introduction to CSS
- Ways to add CSS
- Useful VSCode Extensions
- Comment in CSS
- Simple Selectors
- Color
- Background

Module 2

CSS Deep Dive

- Typography in CSS and Google Fonts
- List and Table Styling
- CSS Box Model
- Outline
- Width and Height
- Introduction to CSS Unit
- CSS Specificity
- CSS !important

Module 3

Positions in CSS

- Introduction to CSS Layout
- Display and Visibility
- Normal Flow
- Float and Clear

- CSS Positions (Part 1)
- CSS Positions (Part 2)
- Overflow and Z-Index

Module 4

SEO

- What is SEO?
- Introduction to head tag
- Title, Link, Style, Meta Tags
- Benefits of Using Meta Tags
- Introduction to Meta Tags and Their uses

Module 5

Advance CSS

- Pseudo element
- Pseudo class
- CSS Selectors
- Outline
- Transition and Transform
- Filter
- CSS Animations
- CSS WebKit & Custom properties
- Debugging CSS via Chrome dev tools

Course Curriculum

Bootstrap

CSS (Frameworks)

Module 1

Starting with CSS

- Introduction to Bootstrap
- Useful VSCode extensions
- Mini project using Bootstrap
- Bootstrap deep dive

Tailwind CSS

- Introduction to Tailwind CSS
- Useful VSCode extensions
- Mini project using Tailwind CSS
- Tailwind CSS customizations

JavaScript

Module 1

Introduction to JavaScript and its fundamentals

- Introduction to JavaScript
- Useful VSCode extensions
- Values and Data type
- Variable
- Identifier
- Comment in JavaScript

Module 2

Operators in JavaScript Part 1

- Introduction to Operators
- Arithmetic Operators
- Assignment Operator
- Comparison Operator
- Logical Operator
- Unary Operator

Module 3

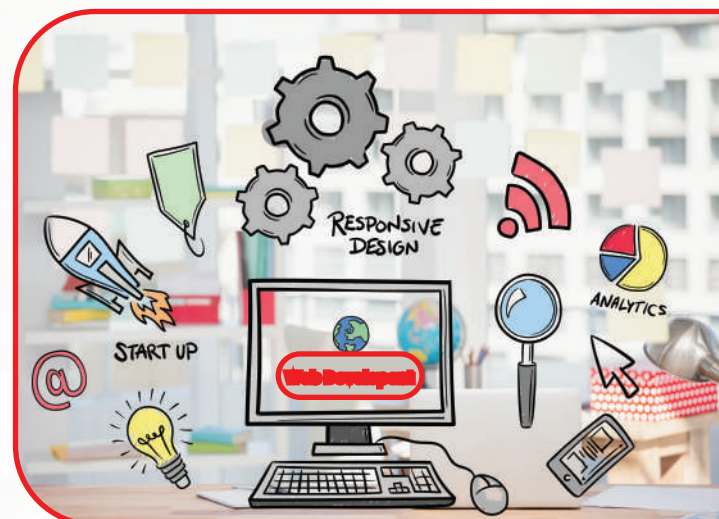
Operators in JavaScript Part 2

- Ternary Operator
- String Operator
- Member access Operator
- Number System
- Number System Conversion
- Bit-wise Operator

Module 4

Condition and Loops

- Condition



Course Curriculum

- For Loop
- While Loop
- Do-while loop
- Break & Continue
- Switch Statements

Module 5

Function in JavaScript

- Introduction to Function
- Function declaration and Invoking
- Function with Parameter
- Arrow Function
- Callback Function

Module 6

JavaScript Fundamentals

- Scope
- Let & Const
- Number
- Math
- Date
- Eval
- RegEx
- String

Module 7

Array and Object

- Introduction to Array
- Array Methods-I

- Array Methods-II
- Introduction to Object
- Object methods and enumerating properties
- Object metadata

Module 8

JavaScript DOM

- Visualisation of DOM and It's Working
- Methods of DOM-Part 1
- Methods of DOM-Part 2
- Methods of DOM-Part 3
- Event in JS
- NodeList vs. HTML Collection



Course Curriculum

Networking

- Introduction to Networking
- DNS & Domain Management
- HTTP & HTTPS Protocols
- Web Application Security

Python

Module 1

Installation

- Python and VS Code Installation

Module 2

Introduction

- Basic Knowledge Before Starting Any Programming Language

Module 3

Python Loops

- Loops
- For Loop
- While Loop
- Break and Continue
- For-in Loop
- For-of Loop

Module 4

Strings & Strings Methods

- Strings

- Manipulation Of Strings
- Reading Strings
- Indexing Strings
- Conversion Of Strings
- Len Function With Strings
- Looping Through Strings
- Slicing Strings
- String Concatenation
- String Comparison
- String Library
- Searching In Strings
- Replacement In Strings
- Stripping White Space
- Manipulation Of Strings



Course Curriculum

Module 5

Lists & DICTIONARIES

- Building a List From Scratch
- Length Of List
- Slicing Of List
- List Method Append Remove
- Parsing And Extracting Lists
- Order Of List
- Built In Function And List
- Strings And Lists
- Double Strip Pattern In List
- List Functions: Len, Min,Max, Sum
- List Mutability
- Manipulating Lists
- Lists And String Function With Tuples
- Looking Inside List
- Dictionaries
- Counting With Dictionaries
- Dictionaries And Files
- Sorting Dictionaries
- List VS Dictionaries
- Dictionary Constant
- Loops In Dictionaries

Module 6

CLASSES & OBJECTS

- Classes

- Objects
- Inheritance
- Parent Classes
- Child Classes

Module 7

Object Oriented Programming

- Introduction OOP
- Importance Of OOP
- Objection Oriented
- Programming

Module 8

PROJECT WORK

- Project Work Set
- Industrial Project Experience



PYTHON

Course Curriculum

Django

Module 1

Introduction to DJANGO

- Features of Django
- Django web server
- Understanding Django environment
- A simple 'Hello world' application

Module 2

Starting a project

- Creating an app inside the project
- Activating the app
- Creating model for our site
- Converting the model into a table
- Examples for fields in models
- Saving objects into database
- Retrieving objects from database
- Modifying objects of database
- Sorting objects
- Filtering objects
- Deleting objects
- Making changes in the data model

Module 3

Project life cycle

- Creating a functional website in Django

Module 4

DJANGO RESTFUL API

- CRUD Operations
- Create
- Read
- Update
- Delete

Module 5

Using the admin interface

- Customizing the admin interface
- Adding users
- Giving permissions to users
- Data access and modifications using admin panel

Module 6

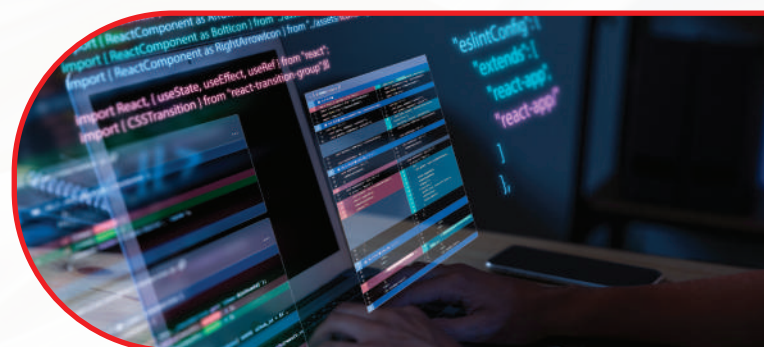
DJANGO Email functionality

- Configuring email settings
- Sending emails with Django

Module 7

Using PostgreSQL

- Working with PostgreSQL in
- Configuring PostgreSQL with in Django Project



Industry-Recognized Certification

| Get certified from **Pakistan** leading **IT training** institute.



Physical
Classes



Job Assistance
for Faster Hiring



Internships
for Experience

TECN SOL TRAININGS





Full stack Web Development (Python & Django)

Grab these opportunities by holding mastery of this tech stack!

Course Duration: 3 to 4 Months

Fees: Call us for fee details as we offer varied discounts

Call Now

+92 301-4205067, +92 300-4306767



/tecnsol.com



/tecnsoltrainings



/tecnsoltrainings



/tecnsoltrainingsofficial



/@tecnsoltrainings



/@tecnsoltrainings



/TecNsolTrainingsoffical

