



ZONEMAC SOLUTIONS

PYTHON DJANGO with REACT JS

COURSE SYLLABUS

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FULL STACK DEVELOPMENT

Course in Python Django with React JS

Total Modules: 09

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Module 1

Introduction :



- Concepts of Web Development
- Installation of All Necessary Tools
- Git and GitHub
- Introduction to Programming
- Basics of Object Oriented Paradigm
- Client- Server Architecture

Module 2

Html:



- Introduction
- Basic Tags
- Elements
- Attributes
- Formatting Tags
- Shortcut Icons
- Comments
- Images
- Tables
- Lists
- Links
- Background
- Forms
- Lists
- Marquee
- Map

Module 3

Css :



- Introduction
- CSS Types & Syntax
- Inclusion
- Units
- Background
- Fonts
- Borders

- Margins
- Padding
- Audio & Video
- Position Property
- Animation
- Skew Divider

Module 4

Bootstrap :



- Introduction
- Basic Classes
- Heading & Colors
- Grid System
- Buttons
- Icons
- Margin & Padding
- Images
- Alerts
- Badges
- Pagination
- Cards

Module 4

Bootstrap :



- Dropdown
- Collapse
- Navbar
- Carousel
- Models
- Tooltips
- Popover
- Zoom
- Scrollspy
- Offcanvas
- Forms
- Floating Labels

Module 5

Javascript :



- Introduction
- Synatx
- Variables
- Data Types
- Operators
- Functions & Statements
- Conditional Statements
- Looping

- Built-In Functions & User defined Functions
- Arrow Functions
- Events
- DOM
- Async() and Await()
- Typescript/ES6

Module 6

Python :



- Introduction to Python
- Installation
- Variables & Data Types
- Data Types Conversions
- Operators & Operator Precedence
- Decision Making
- Loops
- Sequences
- Functions & Modules
- File Handling
- OOP's Concepts
- Regular Expressions
- Database Connection

Module 7

Django :



- Introduction
- Environment setup
- MVT Architecture
- App Creation
- Views
- Template Integration
- Form Processing
- DB Connections
- CRUD Operations
- Session
- Cookies
- Authentication
- Search
- Admin Panel

Module 8

React JS :



- Introduction
- Installation
- How to start a project
- Environment Setup, Features
- JSX
- Events
- Components
- Class Component
- Functional Component
- Controlled Components and Uncontrolled Components
- Rendering Lists

Module 8

React JS :



- Conditional Rendering
- State and Props
- Component Lifecycle
- Forms
- Routing - React router
- Formik
- API Integration
- Consuming rest APIs via axios
- Flux
- ReDux and ReDux Toolkit
- Framer Motion
- Material UI
- Firebase

Module 9



- Project 1
- Project 2
- Testing & Debugging
- Deployment



Connect with us.

Email

info@zonemacolutions.com

website

www.zonemacolutions.com

Call us

9072199772, 9072199776

