Advance Level

Certification program in

PYTHON Full Stack

TECHWINGSYS

Welcome to **TECHWINGSYS**

Kochi's **Premier IT Training Institute**!

OUR SYLLABUS

python™

- Start With Python
- Work With Collections
- Date Time
- Function
- Package And Modules
- Exception Handling
- OOPS
- Regular Expressions
- Multithreading

- SQLite Database
- MySQL Database
- GUI Development
- Email Handling
- Networking
- XML Processing
- NumPy
- Panda
- Introduction to Machine Leaning

- Graphs
- CGI Web
- MongoDB
- HTML
- CSS3
- Bootstrap
- JavaScript
- jQuery
- Django
- Web Scarping

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KEY FEATURES OF THE
PYTHON FULL STACK
PROGRAM

Fully **Hands on Training**

Training and **Integrated Internship**

Industry-based **learning syllabus**

250+ hours of Learning

Nirvana - HR Training Program
20-40 Hours

Resume Creation , Mock Test, Mock Interviews,
LinkedIn Profile Creation , Communication sessions,
Personal Branding Sessions, Presentation Skill Development
Sessions, Personal Development Sessions & More

100% Placement Support

Our **App Access** Permission

Class Live Video Access (Recorded Copies) , Study Materials

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Start With Python

- Arithmetic Operators
- Read Console
- Decision Making
- Looping Statements
- Nested
- Jumping
- String Handling
- String Functions

Work With Collections

- List
- List Functions
- Tuples
- Dictionary
- Multi Dimension

Package And Modules

- Modules
- Packages
- Global
- Directories

Function

- Functions
- Function With List Param
- Functions With Multi-List Param
- Default Param
- Variant Param
- Lambda

Date Time

- Time Package
- Date Time
- Time Zone
- Calendar
- Calendar Expended
- Sleep

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python™

django

NumPy

pandas

MySQL®

HTML

CSS

JS

jQuery

Bootstrap

mongoDB

Exception Handling

- Exception Handling
- Try With Multi Except
- Multi Exception in Same Except
- Try Finally
- Raise Exception
- User Defined Exception

Regular Expressions

- Search
- Find all
- split
- sub
- Match Object

OOPS

- Class With Constructor
- Different Properties in Same Class Object
- Built-In Attributes
- Destructor
- Inheritance
- Hybrid Inheritance
- Hidden Values

Multithreading

- Basic Thread
- Using Class
- Multiple Objects
- Synchronized

File Handling

- Write To File
- Read File
- Work With Folder

SQLite Database

- Database Creation
- Insert
- Select
- Update
- Delete
- All Queries

MySQL Database

- Database Creation
- Insert
- Select
- Update
- Delete
- All Queries

GUI Development

- Basic Form
- Entry
- Event With Arguments
- Radio Check Buttons
- Combo box
- Multi Line Text
- Frames
- Multi Windows
- Database handling

Email Handling

- Email Using SMTP SSL
- Email Using SMTP TLS
- Email HTML
- Email With Attachment

Networking

- TCP Server and Client
- UDP Server and Client

XML Processing

- SAX Reader
- DOM Reader
- E Tree Reader
- Create XML

NumPy

- NumPy Array
- Slicing
- Slice in Multi-dimensional
- Advanced Indexing

Panda pandas

- Series
- Data Frame
- Data Frame Operations
- Panel
- Read CSV
- Read Excel
- Create Excel
- Read Database
- Read Database Using SQL Alchemy
- Excel To Database

Graphs

- Matplotlib
- Sine Wave
- Subplot
- Bar
- Bar Chart in Detail
- Histogram

Introduction to Machine Leaning

- What is ML
- Work with an example program

MongoDB mongoDB

- Connect To MongoDB
- Insert One
- Insert Many
- Find One
- Find All
- Filter Records
- Find Some Fields

CGI Web

- Basic
- Forms
- Forms
- File Upload
- Set Cookie
- Set Cookie with Object

python
django
NumPy
pandas
MySQL
HTML
CSS
JS
jQuery
Bootstrap
mongoDB
SQL

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HTML

- Basic tags
- Color management
- Bullets and numbering
- Spacing
- Table
- Form Components
- Form in Detail
- Anchor tag and setting targets (_self, _parent, _top, custom)
- frame
- iframed
- using HTML-5 features

CSS

- inline
- internal
- internal with classes & id
- external
- main css properties
- gradient colors
- animation key frames

JavaScript

- inline
- internal
- external
- functions
- events
- decision making statements
- looping statemets
- callback functions
- callback in foreach & map

jQuery

Bootstrap

Creating simple games with the help of HTML, CSS & JS

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python ™
django
NumPy
pandas
MySQL
HTML
CSS
JS
jQuery
Bootstrap
mongoDB
SQL

Django

- Create Project
- Create Application
- Admin Interface
- Modify Admin Interface in advanced level
- Creating Views using function
- Views with class
- Templates
- Views With Param
- Object In View
- Block And Extended Tag
- Creating Models
- CRUD Operations
- Table Linking
- Page Redirection
- Sorting data from view
- Emails
- Generic Views
- Forms
- File Upload
- Cookies
- Sessions
- Simplify the views with existing classes
- Restful API

Web Scarping

- Get Tag Name
- Attribute
- Using request
- Google Search and URL lib

python™
django
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SQL

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Bonus

- Domain Research & Web Hosting (How to purchase good domain name, Good hosting providers etc)
- SEO Basics
- Personal Branding Tips

Download Our App for Free Access to Videos and Study Materials

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Placement Training

TECHWINGSYS has an ultimate solution for your worry about your future. We introducing " Nirvana " a Placement Orientation Program which will help you to pave your path to success. "Nirvana" is a well-organized placement training program by TECHWINGSYS. It will help every student to achieve their dream of getting a perfect job in a reputed organization.

- **Resume Building**
- **Mock Interviews**
- **Personal Development Session**
- **Aptitude Test**

- **Technical Machine Test**
- **English Communication**
- **Time Management**
- **Presentation Skill Development**

Empower Your Future With TECHWINGSYS

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