



NEXT
IT CAREER
moving minds to right place



Phyton Full Stack Training



PYTHON FULL STACK



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Why Choose Us?



**Training by
Certified Instructors**



Weekly Assignments



Project Training



Mock Interviews



Resume Preparation



**Interview cracking
tips**

About Next IT Career

Next IT Career Best Software Coaching Center in Hyderabad Corporate training is a function of human resource management that aims to provide the organization's employees with the knowledge and skills required to be successful. In turn, the growth of employees also contributes to the success of the business. In recent years, Its also seen as a long-term strategic assignment rather than a cost center for the organization. The majority of companies have embraced 'continual learning' in it to promote employee growth both professionally and personally and acquire a highly skilled workforce as a result.



Corporate Training



Classroom Training



Online Training

PYTHON FULL STACK DEVELOPMENT COURSE

1. CORE PYTHON

- Introduction to Programming Languages
- Introduction to Python
- Working with Python Software
- Python Language Fundamentals
- Different Modes of working with Python
- Basic I/O operations in Python
- Operators and Expressions in Python
- Data Types in Python
- Flow Control Statements (or) Control Structures
- String Handling Operations
- Bytes, ByteArray and Range Data Types
- List Data Structure and Operations
- Tuple Data Structure and Operations
- Set and Frozenset Data Structures or Collection
- Dictionary Data Structures or Collection
- Comprehensions (List/Dictionary/Set)
- NoneType Category
- Functions in Python
- Modules in Python
- Packages in Python
- Exception Handling in Python
- Regular Expressions (Re Module)
- File or Stream Handling
- Collections module for building applications

2. ADVANCED PYTHON

- Object Oriented Programming Principles
- OS Module
- Multi Threading
- Python Logging
- Date and Time module
- Garbage Collection

- Python Data Base Communications (PDBC)
- Network / Socket Programming (socket module)
- Tkinter and Turtle

3. NUMPY

- Basic Introduction to NumPy
- Creation of NumPy Arrays
- Array Attributes & NumPy Data Types
- View vs Copy
- Indexing, Slicing and Advanced Indexing
- How to iterate Elements of the ndarray
- Arithmetic Operators
- Broadcasting
- Array Manipulation Functions
- Joining of Multiple Arrays into a Single Array
- Splitting of Arrays
- Sorting Elements of ndarrays
- Searching Elements of ndarray
- How to insert elements into ndarray?
- How to delete elements from ndarray
- Matrix multiplication by using dot() function
- Importance of matrix class in NumPy library
- Linear algebra functions from linalg module
- I/O operations with NumPy
- Basic statistics with NumPy
- NumPy mathematical functions
- How to find unique items and count

4. PANDAS

- Introduction
- Environment Setup
- Introduction to Data Structures
- Series
- DataFrame
- Panel
- Basic Functionality

- Descriptive Statistics
- Function Application
- Reindexing
- Iteration
- Sorting
- Working with Text Data
- Options and Customization
- Indexing and Selecting Data
- Statistical Functions
- Window Functions
- Aggregations
- Missing Data
- GroupBy
- Merging / Joining
- Concatenation
- Date Functionality
- Timedelta
- Categorical Data
- Visualization
- IO Tools
- Sparse Data
- Caveats & Gotchas
- Comparison with SQL

5. MATPLOTLIB

- Introduction to Matplotlib
- Line Plot - Basics
- Line Plots - Advanced
- How to add grid lines to plot
- Adding Legend
- Customization of Tick Location and Labels
- How to set limit range of values on x-axis and y-axis
- How to set scale of x-axis and y-axis?
- Plotting Styles
- Functional/Procedural Vs Object Oriented Approach of Plotting
- Bar Chart / Bar Graph / Bar Plot

- Pie Chart
- Histogram
- Scatter Plots
- Subplots
- Plotting Geographic Data with Basemap
- Three-Dimensional (3-D) Plotting in Matplotlib
- Animations

6. HTML

- Web Introduction
- Introduction to HTML
- Introduction to HTML Structure
- Presentational & Formatting Tags
- Title and HTML Entities
- Attributes
- HTML Images & Anchor Tag
- Working with Lists
- Working with Div Tag
- HTML Tables
- HTML Forms
- HTML Form Controls
- Additional Form Controls
- HTML5 New Semantic / Structural Elements

7. CSS

- Introduction to CSS
- CSS Selectors
- CSS Box Model
- Styling Elements
- Advanced Cascading Style Sheets

8. JAVASCRIPT

- Introduction to JavaScript
- JavaScript Implementations
- JavaScript Variables & Datatypes

- Arrays
- Functions
- Functional Expressions
- Arrow Functions
- JavaScript Strings
- Working with JS Objects
- JS Constructors
- DOM - Document Object
- DOM - Element Object
- DOM - Event Handling
- BOM - Window Object
- JavaScript Validations and Regular Expressions
- Bootstrap

9. DJANGO WITH REST API

- Introduction to Django
- Django & Atom Installation and Development of First Web Application
- Templates and Static Files
- Views and URLs
- Models and Databases
- Forms and Validation
- Advanced Template Features
- Session Management
- User Authentication and Authorization
- Class Based Views and CRUD Operations (CBVs and FBVs)
- Django ORM
- Working with Advanced Model Concepts
- Django Rest Framework
- Testing and Debugging
- Caching and Performance Optimization
- Django Forms Advanced Topics
- Django Security
- Django Signals and Asynchronous Tasks
- Django Deployment and Production

- WebSockets and Real-Time Communication
- Project Development and Refinement

10. FLASK

- Introduction to Flask
- Building Web Applications with Flask
- Web Forms and User Input
- Databases and Data Storage
- User Authentication and Authorization
- RESTful APIs
- Deployment and Scaling
- Advanced Topics

11. DATABASE

- MySQL
- MongoDB

12. TOOLS

- AWS Basics
- Version Control - GIT
- Docker
- Kubernetes

13. ANGULAR


- Introduction to Web Technologies
- TypeScript Deep Dive - TypeScript Architecture
- Introduction to Angular
- Setting Up Environment for Angular
- Angular Architecture
- Introduction to Components
- Angular Pipes
- Angular Services
- Angular Forms
- Observables & RxJS

- NG Modules
- Dependency Injection
- HttpClient
- Routing & Navigation
- Angular Animations
- Angular Materials
- Unit Testing in Angular
- Advanced Topics

Trending Software Testing courses

Manual Testing 

Selenium Automation 

Tocsa 


ETL Testing 

Performance Testing 


API Testing 

Load runner 

J-meter 

Neo load 

Most Trending Courses

Data Science 


Data Analytics 

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Most Demand Courses

AWS DevOps 

Azure DevOps 

Power BI 

Java Full Stack 

Python Full Stack 

Cyber Security 



Our Branch



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