Best Technology in the World

PYTHON PROGRAMMING TRAINING

POWERED BY 3RI TECHNOLOGIES

COMPANY HIGHLIGHTS

ABOUT US

3RI is an Advanced Technology Education Platform providing advanced and professional training in latest technologies that helps freshers and professionals rise to the advanced skills requirements of the current industry.Powered by 3RI Technologies, these classroom training sessions are industry oriented courses on Python, Angular, Java, Web Development & Software Testing by top class faculty who has more than 7+ years of experience in the same domain.The curriculum is designed by industry experts, who has real time scenario based exercise and case studies and projects using database from companies like Walmart, Amazon, Google, etc.This training is supported with teaching assistance which allows individuals to develop hands.

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WHAT IS WHERE?

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FACULTY

Our Top-class faculty are experienced working professionals working in senior positions of top-tier companies like Infosys, TechMahindra, TCS, Cognizant, Google, Microsoft, etc.

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SUBJECTS & TRACKS

WHAT MAKES 3RI DIFFERENT ?

3RI Curriculum is based on real time industry approach, they are short and practical oriented to learn the concepts in fast pace with implementation skills.

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PYTHON PROGRAMMING

1. **An Introduction to Python**
   - Why Python, its Unique Feature and where to use it?
   - Python Environment Setup
   - Discuss about IDE's like IDLE, Pycharm and Enthought
   - Canopy
   - Start programming on an interactive shell.
   - Python Identifiers, Keywords
   - Discussion about installed module s and packages
   - Access Command line arguments within programs

2. **Conditional Statement , Loops, and File Handling**
   - Python Data Types
   - Decorators
   - Python Modules & Packages
   - Python Files and Directories manipulations
   - Use various files and directory functions for OS
   - operations

3. **Python Core Objects and Functions**
   - Built-in modules (Library Functions)
   - Numeric and Math's Module
   - String/List/Dictionaries/Tuple
   - Complex Data structures in Python
   - Arbitrary data types and their Data Structure
   - Python built-in function
   - Python user-defined functions
   - Python packages and functions
   - The anonymous Functions-Lambda Functions

4. **Object-Oriented Python**
   - OOPs Concepts
   - Object, Classes and Destroying Objects
   - Accessing attributes, Built-In Class Attributes
   - Inheritance and Polymorphism
   - Overriding Methods, Data Hiding
   - Overloading Operators

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5.Exception Handling in Python
- Exceptions Handling
- Handling various exceptions using try....except...else
- Try-finally clause
- The argument of an Exception and create a self exception
- class
- Python Standard Exceptions
- Raising an exceptions, User-Defined Exceptions
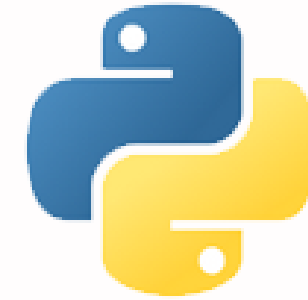
6. Debugging Python Programs
- Debug Python programs using PDB debugger
- Assert for debugging
- Testing with Python using UnitTest
- Iterable and generator in Python
- Yielding from the generators
- Standard project setup in Python

7. Regular Expression
- Regular Expressions
- What are regular expressions?
- The match and search Function
- Compile and matching
- Matching vs searching
- Search and Replace feature using RE
- Extended Regular Expressions
- Wildcard characters and work with them

8. Multithreading
- Multithreading with Python
- What is multithreading?
- Starting a New Thread
- The Threading Module
- Synchronizing Threads

PYTHON PROGRAMMING

9. Package Installation and Windows spreadsheet parsing
- What is pip, easy_install?
- Set up the environment to install packages?
- Install packages for XLS interface, Database Interface,
- and Web interface
- XML and XLS parsing with Python
- Create XLS reports with Python

10. Database Handling
- Python MySQL Database Access
- Create Database Connection
- DML and DDL Operations with Databases
- Performing Transactions
- Handling Database Errors
- Disconnecting Database

11. Django Framework
- Basic of Django Framework & its uses
- Installation and setting up Django
- Syntax and URL
- Testing
- Deploying Django Framework

12. Flask Framework &TkInter GUI Framework
- Overview of Flask Framework
- Installation of Flask and Demo Application
- Overview of TkInter Framework
- Tkinter Widgets

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DON'T FORGET

Placement at Our
Client's Location

Interview
Preparartion

Resume Workshop
by Experts

Real World Application
Integration in Resume

Exclusive Sessions
from Experts

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FAQ'S

DO I NEED TO PURCHASE ANY SOFTWARE ?

- No, we provide necessary installation guides of the software required.

WHAT ARE THE SPECIFIC SYSTEM REQUIREMENTS ?

- 8GB RAM, 500GB Hard disk (i3 Processor).

WHAT ARE PROJECTS ?

- Projects are real world datasets from companies like Nike, Yelp,Amazon, Netflix etc. that are provided to our students.

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WHO WE ARE?

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SIDDHANT SIR

Data Scientist

RANJEET SIR

Cloud Architect

KRISHNA MA'AM

Python Specialist

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