

CORE
PYTHON



Brochure

ADVANCE
PYTHON



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OPEN THE DOORS OF YOUR SUCCESS WITH
ADVANCED
PYTHON TRAINING

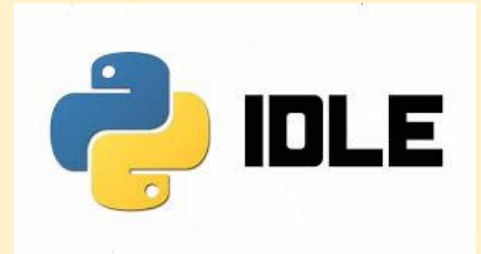
MASTERING PYTHON & DJANGO

DATA
Analytics

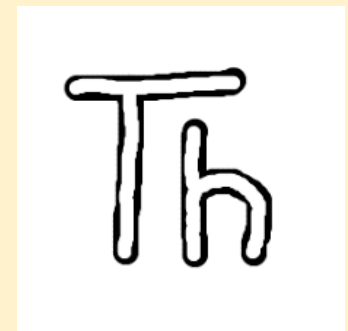
Duration: 3 Months
(Complete Four Modules)
Fees: Rs.29,999/-

PYTHON
Django
WEB FRAMEWORK

Diploma In Core Python



- ✓ Programming Concepts
- ✓ Python Setup & IDE's
- ✓ Data Types & Identifiers
- ✓ Operators
- ✓ Conditional Statements
- ✓ Loops
- ✓ Function
- ✓ Lambda Function
- ✓ String
- ✓ Modules
- ✓ Date & Time
- ✓ Lists
- ✓ Tuples
- ✓ Dictionary
- ✓ Sets
- ✓ Assignments



Advance Python

File Handling

- ✓ Different File Types
- ✓ Pickle Function
- ✓ Python Py to Exe

Exception Handling

- ✓ Exception
- ✓ Exception Handling
- ✓ Except clause
- ✓ Try & finally clause
- ✓ User Defined Exceptions

OOPs concept

- ✓ Class and object
- ✓ Attributes
- ✓ Inheritance
- ✓ Overloading
- ✓ Overriding
- ✓ Data hiding

Regular expressions

- ✓ Match function
- ✓ Search function
- ✓ Matching VS Searching
- ✓ Modifiers
- ✓ Patterns

Database

- ✓ Introduction
- ✓ Connections
- ✓ Executing queries
- ✓ Transactions
- ✓ Handling error

Networking

- ✓ Socket
- ✓ Socket Module
- ✓ Methods
- ✓ Client and server
- ✓ Internet modules

Multithreading

- ✓ Thread
- ✓ Starting a thread
- ✓ Threading module
- ✓ Synchronizing threads
- ✓ Multithreaded Priority Queue

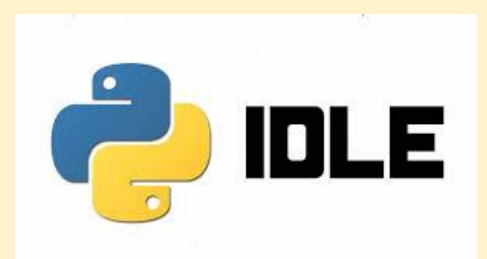
GUI Programming

- ✓ Introduction
- ✓ Tkinter programming
- ✓ Tkinter widgets



Additional Topics:-

- ✓ [Iterators](#)
- ✓ [Closures](#)
- ✓ [Decorators](#)
- ✓ [Shallow and Deep Copy](#)
- ✓ [@property](#)
- ✓ [Python Assert](#)
- ✓ [Generators](#)



PYTHON WEB FRAMEWORK (Django)

Django. Type – Full-stack framework Django is one of the most beloved web development frameworks for developing Python applications. In fact, it ended up being one of the top 10 web development frameworks of 2020. Django framework follows the DRY (Don't Repeat Yourself) principle.

✓ Introduction to Front end

- HTML
- CSS
- JAVASCRIPT
- BOOTSTRAP

✓ Introduction to Django

- ✓ A project for Displaying hyperlinks
- ✓ A Project for Creating a website
- ✓ Creating Administration Panel
- ✓ Creating First page of our site
- ✓ Django Forms creation
- ✓ Django's email functionality
- ✓ The Django template language
- ✓ Sessions and Cookies
- ✓ Using other databases in Django
- ✓ Flask Framework Introduction

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Web development Python framework

django VS **Flask**
web development,
one drop at a time

Top django based Apps



django (🔥)

Code an
E-Commerce
Website

YouTube



Google

Quora

bitly

reddit



Instagram

Pinterest

DISQUS

Data Analysis & Visualization

(Python NumPy, Pandas, Matplotlib)

- ✓ Spreadsheet Fundamentals
- ✓ PIP installation
- ✓ Anaconda Setup
- ✓ Jupyter Notebook
- ✓ CSV Files
- ✓ Pandas Series
- ✓ Pandas DataFrame
- ✓ Pandas Operation
- ✓ Data operations
- ✓ Pandas Cheat Sheet
- ✓ Pandas Index
- ✓ Pandas NumPy
- ✓ Pandas Time Series
- ✓ Data Visualization
- ✓ Matplotlib
- ✓ Comparison with SQL

