

PYTHON Training

• Real-Time Working • Detailed Subject • Interview Suitable

-  Sessions from Industry Experts
-  Duration: 20-25 hours, Daily 1 hour
-  Normal / Fast Track / 1 on 1 / Customized
-  (Normal track) 5,000/-
-  Multiple timings available



INSTITUTE PROVIDES

- * Two **Near Real Time** Projects
- * In-Depth **Theory & Practical** Material
- * Complete **Practical Oriented** Training
- * Mock Interviews
- * Case Studies / User Stories / Sprints
- * Daily **Live Class Videos**
- * **FAQ Tests** in Whatsapp
- * **Resume Preparation** Sessions



- ▶ What is Python
- ▶ What are the popular programming languages
- ▶ Why choose python over other programming languages
- ▶ How is python perfect for Data Analytics
- ▶ Job opportunities after completion of the python course
- ▶ Different types of IDEs used for Python programming
- ▶ Python Installation

Beginning Python Basics :

- ▶ The print statement
- ▶ Comments
- ▶ Keywords
- ▶ Operators
- ▶ Variables
- ▶ Data types
- ▶ Sequences, mutable and immutable objects
- ▶ Type casting
- ▶ String operations
- ▶ Indexing and Slicing
- ▶ Simple programs with user input

Conditional statements in Python :

- ▶ Indentation
- ▶ Simple if statement
- ▶ If else statement
- ▶ Elif statement
- ▶ Nested if condition
- ▶ One line if conditions or short hand if conditions

Collections or Data Structures :

- ▶ List
- ▶ Tuple
- ▶ Set
- ▶ Dictionary
- ▶ Nested collections
- ▶ Comprehension programming on Lists and Dictionaries
- ▶ Real time examples using Collections

Functions and Modules :

- ▶ Built in functions
- ▶ User defined functions
- ▶ Function with no arguments and no return value
- ▶ Function with arguments but no return value
- ▶ Types of arguments
- ▶ Local and global variables
- ▶ Recursive functions
- ▶ Lambda function
- ▶ Mapping, filter and reduce
- ▶ Built in modules
- ▶ User defined modules

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Exception Handling :

- ▶ Types of Errors
- ▶ User defined functions
- ▶ Try, except, finally
- ▶ Raise

Regular Expressions :

- ▶ Findall
- ▶ Tuple
- ▶ Split
- ▶ Sub
- ▶ Regex Functions with meta characters

Text files in Python :

- ▶ Open(), read(), write(), close()
- ▶ Export data to text files

Object Oriented Programming :

- ▶ Basic concepts of OOP
- ▶ Difference between general programming and OOP
- ▶ Classes and Objects
- ▶ init () method
- ▶ Self parameter
- ▶ Single inheritance
- ▶ Multilevel inheritance
- ▶ Multiple inheritance
- ▶ Hierarchical inheritance
- ▶ Polymorphism

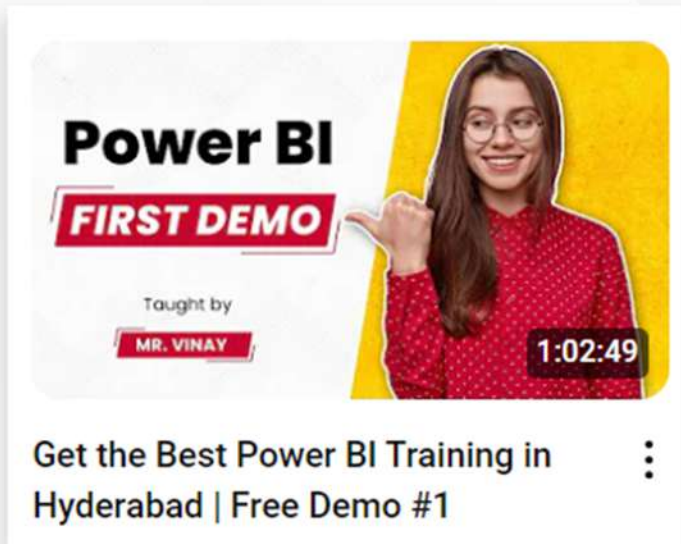
Data Analytics using Pandas Library :

- ▶ Data structures in Pandas : Series and DataFrames
- ▶ Import and Export data
- ▶ Working with Excel, CSV, Json, Delimited data files
- ▶ Sorting data (Ascending/Descending)
- ▶ Loc[] and iloc[]
- ▶ Search and Filter data
- ▶ Value_Counts
- ▶ Grouping data
- ▶ Pivot tables
- ▶ Merging data
- ▶ Concatenation of data
- ▶ Data cleaning
- ▶ Remove null values
- ▶ Fill null values with mean(), median() and mode()
- ▶ Identify duplicate records
- ▶ Remove duplicate records

Data Visualization with Matplotlib library:

- ▶ Matplotlib Pyplot
- ▶ Matplotlib Plotting
- ▶ Matplotlib Markers
- ▶ Matplotlib Line
- ▶ Matplotlib Labels
- ▶ Matplotlib Grid
- ▶ Matplotlib Subplot
- ▶ Matplotlib Scatter
- ▶ Matplotlib Bars
- ▶ Matplotlib Histograms
- ▶ Matplotlib Pie charts

A Big Thank you



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