



ANNA UNIVERSITY AU TVS CENTRE FOR QUALITY MANAGEMENT

Python Programming

4th Batch

8 Days Hands-on Certificate Training Program

Python Programming is intended for software engineers, systems analysts, program managers and user support personnel who wish to learn the Python programming language.

Objective

- To learn how to design and program Python applications.
- To learn how to use lists, tuples, and dictionaries in Python programs.
- To learn how to identify Python object types.
- To learn how to use indexing and slicing to access data in Python programs.
- To define the structure and components of a Python program.
- To learn how to write loops and decision statements in Python.
- To learn how to write functions and pass arguments in Python.
- To learn how to build and package Python modules for reusability.
- To learn how to read and write files in Python.
- To learn how to design object-oriented programs with Python classes.
- To learn how to use class inheritance in Python for reusability.

Mail stamp size photo to autvscqm2015@gmail.com with the following specification.

- A recent stamp size color photo taken against white background only.
- If you wear glasses make sure that there are no reflections
- Cap, hat and dark glasses are not acceptable.

Venue: AU TVS CENTRE FOR QUALITY MANAGEMENT, ANNA UNIVERSITY.
(Behind Vivekananda Auditorium)



Date: October 5th, 6th, 12th, 13th, 19th, 20th, November 02nd & 03rd 2019

ADMISSION

1. Restricted to 20 on First Come First Serve Basis.
2. Last date of Registration 01-October-2019.

Certificate will be awarded to all the participating delegates.

CLASS TIMING:

Saturday – 10 Am to 12 Am & Sunday – 10 Am to 12 Am

- Course is 2 hours per day 1 Hour theoretical session + 1 Hour practical session

PAYMENTS DETAILS

Course Fee: ₹ 6,000/- Includes professional fee (Exclusive of TDS).

Payment can be made by cheque / DD in favour of "AU TVS Centre for Quality Management" and send through courier or in person.

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cqm.annauniv.edu**

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ANNA UNIVERSITY AU TVS CENTRE FOR QUALITY MANAGEMENT

Content

Python Programming

- Introduction to Python.
- History, Features, Identifiers and Keywords.
- Quotation, Comments and Command Line Arguments.
- Variables, Data Types and Basic Operators.
- Membership and Identity Operators.
- Conditional, Iterative and Control Statements.
- Manual Execution (Logical).
- Escape Sequences.
- Formatting Operators.
- Explicit Type Casting.

Python Modules & Types

- Math, String and Random Module.
- Time and Date Time Module.
- Calendar Module.
- List Programming.
- Implementing tuples.
- Using Dictionary.
- Programming with Set.

Functions & Packages

- Defining & Calling Functions.
- Pass by Reference.
- Keyword & Default Args.
- Variable-Length Arguments.
- Function Docstring.
- Global & Local Variable.
- Lambda Functions.
- Using Import & from...import.
- Python Packages.

Files & Regular Expression

- Reading, Writing & Appending Files.
- Converting, Renaming & Deleting Files.
- Creating and Managing Directory.
- seek & tell functions.
- Match & Split Function.
- Search Function.
- Modifiers & Patterns.

Python OOPS

- Why Object Orientation.
- OOPS in Real Time.
- Class & Objects (Real Time).
- How it works internally.
- Constructor and Destroying Objects.
- Inheritance.
- Overloading & Overriding.
- Working with attributes.
- Local Variables.
- Data Hiding.
- Exception handling.
- Multi-threading.

MySQL

- Introduction to Relational Database.
- Normalization.
- Establishing Connection to MySQL.
- Creating Database & Table.
- Alter, Drop & Truncate.
- Store, Retrieve & Modify.
- Implementing Triggers.
- Working with Joins.

Python Programming Registration Form

Name (Mr. / Ms.) :

Name of the Organization :

Designation :

Academic Qualification :

Address :

Mobile :

E-Mail :

AU TVS CQM program certificate holders: Yes / No (Enclose certificate copy)

Special Concession 10% discount for AU TVS CQM program certificate holders with certificate copy.

Payment can be made by cheque / DD in favour of "AU TVS Centre for Quality Management" and send through courier or in person.

Enclose the Cheque / DD No. :

Amount: **6,000/-** Date:

Bank: _____ Signature
with date

To:
**The Director,
AU TVS Centre for Quality Management,
Anna University, Chennai – 600 025.**