

PYTHON PROGRAMMING FULL



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TO PROVIDE
100% QUALITY
TRAINING
TO ALL...**



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COURSE OVERVIEW

This Python training course guides the students from the basics of writing and running Python scripts to advanced features such as inheritance, polymorphism and using the extensive functionality of Python modules. More emphasis is laid on the unique features of Python such as Lists, Tuples, Sets and Dictionaries. Participants will be challenged with our theoretical and extensive hands-on exercises to put their knowledge to the best.

Entry Requirement : Basic Computer Knowledge
Course Duration : 30 hrs.
Mode of Training : Face to face Instructor led Training



COURSE CONTENT

Module 1 Introduction to Python

Language fundamentals
Python Programming features and applications
Naming Conventions & Data types
Reserved Words in Python
Basic arithmetic, logical operators in python
Input & Output operations in Python
Writing a Simple python programming

Module 2 Control Statements

Selection / Conditional Statement: If, elif, else etc
Iterative /Looping Statement: For loop and While loop
Difference between while loop and for loop

Module 3 Arrays

Array declaration
Single dimension arrays
Multidimensional arrays
Character arrays

Module 4 Introduction to Strings List, Tuples, Sets and Dictionary

String : Basic operations and important functions
Mutability and Immutability
List : Basic operations and important functions
Tuples : Basic operations and important functions
Sets: Basic operations and important functions
Dictionary: Basic operations and important functions

Module 5

Functions and Packages

Introduction to function
Variable scope: Global Vs. Local Scope
Passing parameters and Returning results
Introduction to Packages
Writing and importing packages in python

Module 6

File Handling in Python

File Modes
File Operations
Writing into the file
Reading from the file

Module 7

Exception Handling in Python

Exceptions Handling
Raising an exception
User Defined Exceptions

Module 8

Classes and Objects

Concepts of Object Oriented Programming
Creating the Objects & Classes
Constructors in Classes
Inheritance
Polymorphism

Module 9

Introduction to Numpy

Arrays in Numpy
Basic Array Operations
Data Types in Numpy
Math operations on Datatype.

Module 10

Introduction to Pandas

Creating a Dataframe
Dealing with Rows and Columns
Indexing and Selecting Data
Working With Missing Data
Iterating Over Rows and Columns



FUNDING AVAILABLE

SkillsFuture Credit

The Singapore Government provides SkillsFuture Credits to all Singaporeans self sponsored (above 25 years) to enhance their knowledge and skills by attending training programs in Singapore.

The Skills Development Fund (SDF)

The Skills Development Fund support is used to support workforce upgrading programmes and to provide training grants to companies when they send their employees to attend training. The SDF is administrated by the SkillsFuture Singapore Agency (SSG).

STUDENT'S TESTIMONIAL

C Programming

Thanks for the trainer. After this course, I got an overall idea of what is C programming and how to coding it. I clearly understood many concepts in C language.

Deng Ni, Renesas Electronics Pte Ltd

C#.Net Programming

"C#.Net Training from G-TEC gives me the full picture of this programming in short period. Both theory and practical works are well learned though I need more practical practice."

Leica Instruments (S) Pte Ltd, R & D.

Java/Java EE Programming

"The Java/J2ee course material was well presented and very helpful for my work. I really got a great amount out of it. The one to one training was excellent. It met all my expectations. I can even try my hand at getting a SCJP cert now. Thanks to GTEC! "

**Sylvia Lawrence | IBM
IT Professional**

C++ Programming

What I appreciate the most is the trainer's ability to teach a topic that is so comprehensive. She is open to questions and very patient to assist those who are struggling. Definitely would recommend.

Alicia Kurniawan

Since 2008

Corporate Clients 1200+

Professionals Trained 4500+



COMPANY PROFILE

What We do:

G-TEC Computer Education Centre is an Information Technology company in the field of Software Training, Technology Resourcing and Knowledge Consulting. We provide Corporate Training, Project Training, and Customized Training, One to One trainings for professionals, individuals and students.

Who are our Customers:

We have special teaching methodologies to train people in different categories ranging from corporate clients to school level students. Over 1.5 million students are certified by G-TEC all over the world. We have the privilege of working with some of the most well-known companies in the world.

Where we are :

G-TEC Computer Education Centre is the largest computer education networks with more than 510 centers all over the world and corporate office in Singapore. We are operating in Mexico, Qatar, India, Dubai, Singapore, Kuwait, Srilanka, Iran, Malaysia, Saudi Arabia, Bahrain and Ghana.

Our Goal and Focus :

Our aim is to make IT education affordable to all sections of society through various projects associating with government's quasigovernment public and private company to reach each corner. Our ultimate goal is to achieve cent percentage computer literacy. We are committed to provide 100% quality training to all; our focus is to provide Quality Education World Wide.

OUR POPULAR COURSES

Programming

Java - Java EE
.NET (C# & Asp)
C++
Python

Office Skills

MS Excel
Excel Advanced
MS Powerpoint
MS Access

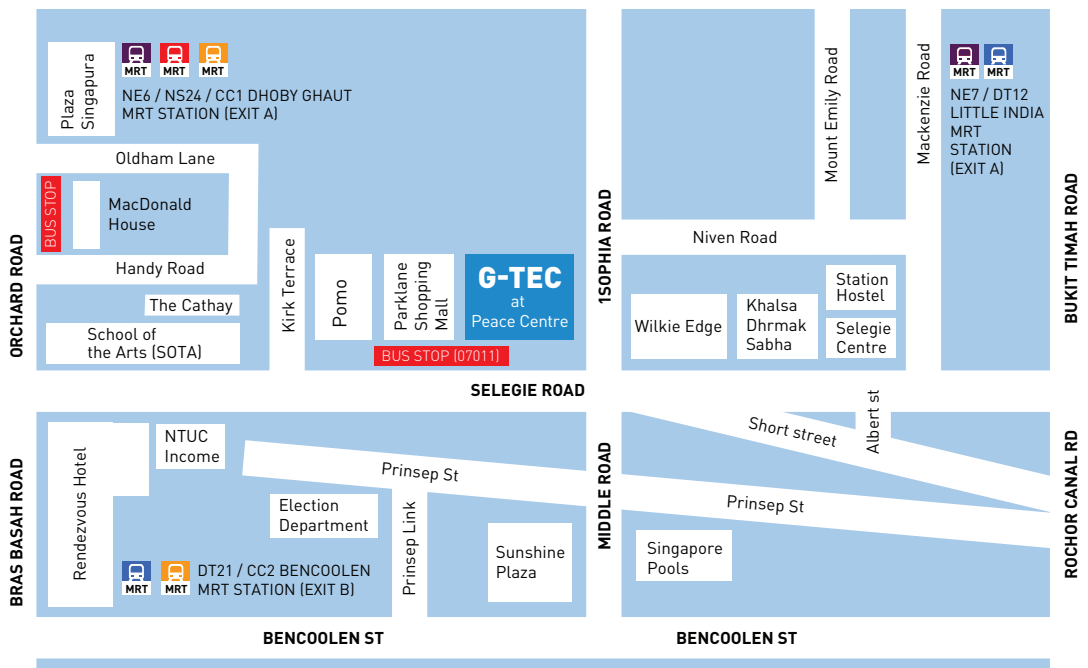
Multimedia

Interior Design
Autocad
Web designing
Digital Architect

OUR SERVICE OFFERING

- ▶ Software Training
- ▶ Onsite Training
- ▶ Customised Corporate Training
- ▶ Knowledge Consulting
- ▶ Online Training
- ▶ Project Training

OUR LOCATION



Nearest MRT

Dhoby Ghaut-Exit A
Little India-Exit A
Bencoolen-Exit B

Bus Services

64, 65, 131, 139, 147,
166, 857

Nearest Bus Stop

Peace Centre: 07011

G-TEC COMPUTER EDUCATION CENTRE

"Registered with Committee for Private Education (CPE) is part of SkillsFuture Singapore (SSG)"

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