

# COURSE GUIDE

## 2026

### PYTHON TRAINING (BEGINNER LEVEL)



Route to the IT World





## ■ DESCRIPTION

The Python Programming – Beginner Level course is designed for students with little or no programming experience. This program introduces the fundamentals of Python, one of the most popular and easy-to-learn programming languages used worldwide. Students will learn how to write simple programs, understand core programming concepts, and develop logical thinking skills.

The course focuses on hands-on practice, enabling students to apply Python concepts to real-world problem-solving scenarios.

## ■ WHAT ARE THE BENEFITS IN STUDYING PYTHON (BEGINNER LEVEL) AT ATN?

### 1. Easy-to-learn language suitable for beginners

Python uses simple and readable syntax, making it easy for beginners to understand programming concepts without complexity. This allows students to start coding confidently from the first lesson.

### 2. Improves logical thinking and problem-solving skills

Learning Python helps students think logically and break problems into smaller steps. Writing programs strengthens analytical thinking and improves decision-making abilities.

### 3. Strong foundation for advanced programming and IT courses

Python introduces core programming concepts such as variables, loops, functions, and data structures. These fundamentals prepare students for advanced programming subjects and higher-level IT studies.

## ■ WHAT ARE THE BENEFITS IN STUDYING PYTHON (BEGINNER LEVEL) AT ATN?

### 4. Widely used in web development, data science, AI, and automation

Python is used across many modern technology fields, including website development, data analysis, artificial intelligence, and automation. Learning Python opens opportunities to explore these advanced areas.

### 5. High demand skill in the global job market

Python is one of the most in-demand programming languages worldwide. Gaining Python skills increases employability and provides better career opportunities in the IT industry.

### 6. Helps students transition smoothly into advanced programming languages

The concepts learned in Python are transferable to other programming languages such as Java, C++, and JavaScript. This makes it easier for students to learn new languages in the future.

### 7. Encourages confidence in coding through hands-on practice

Python allows students to quickly see results through practical coding exercises. This hands-on approach builds confidence and motivates learners to continue developing their programming skills.



## COURSE DETAILS

Course Name	Python Programming – Beginner Level
Duration	02 Months
Class	One Day Class Per Week / 4 Hours
Language	English
Certificate	TVEC & ATN
Class Mode	Online / In-Person
Practical Training	Yes Available

## COURSE CERTIFICATE



This Course is verified by TVEC, which is the main government entity controlling the activities of education providers in the Sri Lanka. The verification guarantees that this training course meets all the required standards and criteria in accordance with the highest educational regulations.



### ATN CAMPUS

The ATN Campus Certificate is awarded to students who successfully complete approved short-term, diploma, professional, or preparatory programs at ATN Campus, in line with its academic structure and assessment standards. The certificate confirms that recipients have gained the necessary theoretical knowledge, practical skills, and academic competencies relevant to their chosen field of study. It serves as formal recognition of academic achievement and is intended to support students' career development, professional growth, and opportunities for further education both locally and internationally.



## ■ PREREQUISITES

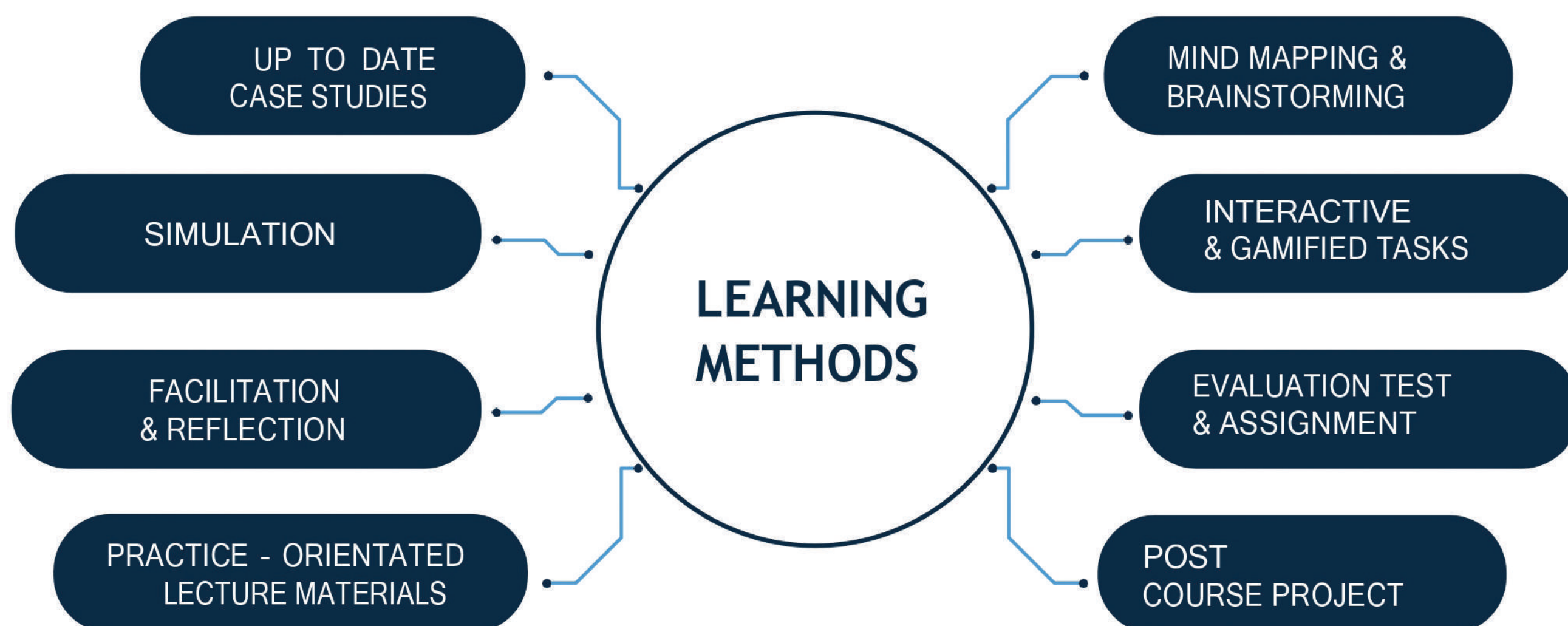
This program does not require any prior programming knowledge. Students are expected to have basic computer literacy, including the ability to use a computer, operate a keyboard and mouse, and understand basic file handling. A basic understanding of English is recommended, as programming instructions and syntax are in English. Interest in learning programming and problem-solving is essential for successful completion of the course.

## ■ WHO CAN ATTEND

This program is suitable for school students, undergraduates, and beginners who wish to start learning programming. It is ideal for students pursuing IT, computing, engineering, or related fields, as well as non-IT students who are interested in developing coding skills. Working professionals, career changers, and anyone interested in learning Python for academic, professional, or personal development can also attend this program.

## ■ LEARNING METHODOLOGIES

All our courses include the most effective adult learning methodology and techniques. Our experience shows that only a combination of these methods can guarantee the best learning outcomes for attendees.



VENUE - ATN CAMPUS Colombo / Kurunegala / batticaloa

**ADDRESS : 507, GALLE ROAD, COLOMBO 06**

## ■ COURSE MODULES

### Module 1: Introduction to Programming and Python

- What is programming and why it is important
- Introduction to Python and its applications
- Installing Python and using an IDE (e.g., IDLE / VS Code)
- Writing and running the first Python program

### Module 2: Variables, Data Types, and Operators

- Understanding variables and naming rules
- Python data types (int, float, string, Boolean)
- Type conversion
- Arithmetic, comparison, and logical operators

### Module 3: Input and Output Operations

- Using input () to get user input
- Displaying output using print()
- Formatting output
- Simple interactive programs

### Module 4: Control Structures (Decision Making)

- Conditional statements (if, elif, else)
- Relational and logical conditions
- Writing programs with decision logic

### Module 5: Looping and Iteration

- Introduction to loops
- for loop and while loop
- Loop control statements (break, continue)
- Practical looping examples





## ■ COURSE MODULES

### Module 6: Functions and Modular Programming

- What are functions and why they are used
- Defining and calling functions
- Function parameters and return values
- Benefits of modular programming

### Module 7: Lists, Tuples, and Dictionaries

- Introduction to Python collections
- Lists: creation, indexing, and methods
- Tuples and their uses
- Dictionaries for key-value data storage

### Module 8: Strings and String Manipulation

- String creation and indexing
- Common string methods
- String formatting
- Practical text-based examples

### Module 9: File Handling Basics

- Reading from files
- Writing to files
- Simple file-based programs

### Module 10: Basic Error Handling

- Understanding errors and exceptions
- Using try and except blocks
- Writing error-free beginner programs



Course code :

## PARTICIPANTS DETAILS

☐ MR. ☐ MS. FIRST NAME: \_\_\_\_\_ LAST NAME: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ JOB TITLE : \_\_\_\_\_  
 COUNTRY: \_\_\_\_\_ CITY: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ PO BOX: \_\_\_\_\_  
 MOBILE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

## COMPANY DETAILS

COMPANY: \_\_\_\_\_ LANDLINE : \_\_\_\_\_  
 COUNTRY: \_\_\_\_\_ CITY: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ PO BOX: \_\_\_\_\_  
☐ MR. ☐ MS. FIRST NAME: \_\_\_\_\_ LAST NAME: \_\_\_\_\_  
 JOB TITLE: \_\_\_\_\_ MOBILE: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_

## COURSE STARTING DATE

DAY MONTH YEAR

For course dates contact Us or see courses calendar on [www.atnedu.lk](http://www.atnedu.lk)

## YOU CAN REGISTER BY

+94 11 4 848481

[www.atnedu.lk](http://www.atnedu.lk)

#ATNCAMPUS

## IN - HOUSE AND LIVE ONLINE

If you are interested in conducting this Training course at a location of your choice or Online, you can contact us, and we will create A unique in-house or online training solution

PAYMENT OPTIONS	APPLICATION FEE	REGISTRATION FEE	MONTHLY TUITION FEE
INSTALLMENT PAYMENT	5000 LKR	20,000 LKR	20,000 × 2 MONTHS
ONE TIME PAYMENT	N/A	N/A	N/A

## SPECIAL OFFER

**2+20%** Discount

(BOOK TWO SEATS GET 20% OFF ON FOR 3RD REGISTRATION)

FOR THIS AND OTHER DISCOUNTS CONTACT US

## LIVE ONLINE TRAINING FEES

INTERACTIVE ONLINE TRAINING SAME FEES

### TERMS & CONDITIONS

- We reserve the right to modify the course topic or its date or location.
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- Only one type of discount can be applied at a time to the same course.
- All ATN Campus bank account details will be provided on the invoice.
- Payment can be made via bank transfer, credit card or cheque to ATN Campus.
- Your registration will be fully valid only after the payment has been received in full.
- The regular, special and early bird courses fees exclude the applicable 5% VAT.

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

SIGNATURE: \_\_\_\_\_