

Certificate in Python Programming (Beginners Level)



Programme Objective

This programme aims to provide an understanding of the Python programming language and related concepts. It enables students to learn Python libraries for data visualisation. Furthermore, it provides the base for programming such as machine learning and data science.

Who Should Attend?

Applicants must have basic computer knowledge. Applicants with one-year experience in the aforementioned fields will be given priority.

Programme Outcomes

- Understand the fundamental concepts of Python Programming and the business challenges that it can resolve.
- Demonstrate an exceptional problem solving and can expertise the domain of python.
- Utilise the python libraries for data visualisation and secure programming.
- Use emerging technologies with python to develop the application oriented project.
- Demonstrate the data visualization and related tools for business requirements.

Assessment

Continuous Assessment with feedback (diversified) will be used for all courses.

Certificate

Upon successful completion of this course, a certificate of completion will be awarded to candidates.

Note: The aforementioned programme is not eligible for admission in any degree programme.

Programme Design

- Introduction to Python
- Standard Data Types and Variables
- Operators, Input/Output
- Flow Control
- Strings and Tuples
- List Operations
- Function and Modules
- Introducing Tuples, Accessing Tuples
- Visualising Using Matplotlib, Seaborn
- Secure Programming

Duration: Six (6) weeks

Delivery Mode: The programme will be delivered on full time (day and/or evening, face-to-face and/or Online) in accordance with NUST rule.

Enquiries

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