



SLC (University of Delhi) Centre for Skill Development



SHORT TERM /ADD ON COURSES

Certificate course in Programming through Python

About the Course:

It was started by the Centre for Skill Development (CSD) in the year 2023-24 in collaboration with the National Institute of Electronics & Information Technology (NIELIT), an Autonomous Scientific Society under the administrative control of the Ministry of Electronics & Information Technology (MoE&IT), Government of India.

Eligibility Criteria:

1. Minimum eligibility is 10+2 (from any stream or subjects) with 45% aggregate.
Or
2. Graduates from any recognized universities are also eligible.

Course Details:

1. 2 Months (2 hours Class to be held thrice a week).
2. National Institute of Electronics & Information Technology (NIELIT) (An Autonomous Scientific Society under the administrative control of Ministry of Electronics & Information Technology (MoE&IT), Government of India).
3. Minimum number of students in each batch of course: 20
Maximum number of students in each batch of course: 50

Important Dates:

Registration begins in the last week of May every year.

Commencement of course: September/October.

Registration details:

The non-refundable registration fee of INR 100/- is to be made at

A/c Name: SHYAM LAL COLLEGE MISCELLANEOUS A/C

A/c No. : 1247800135

IFSC Code: CBIN0283941

MICR Code: 110016147

Bank: Central Bank of India

Documents required at the time of registration:

1. Copy of class 12th mark sheet or Graduation Degree/Mark sheet.
2. Screenshot of payment of registration fee of INR 100/-.

Link to register: <http://bit.ly/Add-ouncourses23>

Fee Structure:

INR 4000/- (including GST) for 2 months.

Guidelines:

1. Admission is on a First come First Serve Basis for the students meeting the eligibility criteria.
2. Online Registration Forms and details are available on the college website.
3. One-time registration fee of INR100/- is payable for Registration (non-refundable).
4. Students may enroll in two short-term courses at the same time, as well as any one Certificate/Diploma/Advanced Diploma course in addition to one short-term course.
5. Students who are willing to do more than one course must fill out a separate form for each course opted (**registration fee needs to be paid only once**).
6. For any query Email us at csd@shyamlal.du.ac.in
7. Classes for the courses will be conducted in physical mode at Shyam Lal College, from 2:00 PM onwards.
8. An amount of INR1000/- will be deducted if admission is cancelled. No refund will be allowed after July 31, 2024.

Note: Commencement of a course is subject to admission of minimum number of students.

After registration, candidates shortlisted for admission will be notified of further admission details on their registered email addresses through the official CSD email address: csd@shyamlal.du.ac.in within 15 days of submitting online registration form.

Course Curriculum

Certificate course in Programming through Python

Duration (In Hours): 40 Hours (@ 2 hours Daily)

Course contents

Unit 1: Introduction to Python Programming

- Introduction to problem-solving and Algorithms
- Introduction to Python and its features
- Installing Python and setting up the development environment
- Basic Python syntax and data types
- Writing and executing Python scripts
- Using variables, operators, and expressions
- Basic input and output in Python

Module 2: Control Flow and Loops

- Introducing Conditional statements (if, else, elif) with practical examples
- Loops (while, for) and iteration
- Understanding control flow and program execution
- Solving simple problems using control flow and loops

Module 3: Data Structures in Python

- Lists, tuples, and sets
- Working with dictionaries
- Understanding data structures and their use cases
- Manipulating and accessing elements in data structures
- Applying data structures to solve real-world scenarios

Module 4: Functions and Modules

- Writing and using functions in Python
- Parameters, return values, and scope
- Understanding modules and libraries
- Using built-in and external modules to enhance functionality
- Implementing functions in problem-solving