



Softcrayons

ADVANCE PYTHON

*Empowering minds
shaping futures*



PROFESSIONAL CERTIFICATION IN

ADVANCE PYTHON



PROSPECTUS



Key Advantages of Choosing Softcrayons

FOR STUDENTS

Supplemental Learning Resources: Softcrayons offers offline and online courses, educational materials, and additional resources that can complement and enhance college students' learning.

Skill Development: Softcrayons offer courses and certifications focused on developing specific skills that are in high demand in the job market.

Career Exploration: Softcrayons offer a wide range of courses across various disciplines, enabling college students to explore different fields and potential career paths.

Industry Relevance: Softcrayons frequently collaborates with industry professionals and experts to ensure that the knowledge and skills imparted are relevant and aligned with current industry practices and trends.

FOR FREELANCER & JOB SEEKER

Flexibility: Softcrayons offers online courses and programs that can be accessed from anywhere.

Skill Development: To acquire in-demand skills according to the latest industry trends and technologies to stay competitive in the job market.

Key Advantages of Choosing Softcrayons

Certifications: Softcrayons provides you with Professional Certifications and helps you with Resume Enhancement.

Career Support: Softcrayons also offers career counseling and job placement assistance, which can be invaluable for freelancers seeking new projects or job seekers looking for employment.

FOR ENTREPRENEURS AND BUSINESS OWNER

Upskilling and Reskilling: As the business landscape evolves rapidly, Softcrayons ensure that you stay up-to-date with the latest trends, technologies, and best practices.

Flexible Learning: Online courses offered by Softcrayons allow you to learn at your own pace, fitting your studies around your busy schedules.

Entrepreneurial Skills Development: Softcrayons offers courses and programs specifically designed to help entrepreneurs develop essential skills.

Cost-effective: Softcrayons provides more affordable learning options that help you invest in your professional development without straining your budget.

About The Program



The Advanced Python Training course at Softcrayons covers a wide range of topics designed to enhance your Python programming skills. The curriculum includes advanced data structures, algorithms, web development, data analysis, machine learning, and more. This intensive program is structured to provide in-depth knowledge and hands-on experience, making Softcrayons the best choice for aspiring Python professionals. The primary objective of the Advanced Python Training course is to transform students into proficient Python developers.



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CORE PYTHON

TRAINING CURRICULUM

1 Python Introduction

– Day 1

- Data Type - String, Integer, Float
- Define Variables and variable rule

2 Python Basic

– Day 2-3

- Boolean Values
- String Formating
- Input Function
- Indexing
- Slicing

3 Data Structure

– Day 4-6

- List
- Tuple
- Set
- Dictionaries
- String Methods
- List Methods
- Tuple Methods
- Set Methods
- Dictionaries Methods

4 Operators

– Day 7

- Logical operators
- Comparison Operators, Arithmetic operators

5 Control Flow

– Day 8-10

- Condition - If, Elif, Else
- Range Function
- For Loop
- For Loop Patterns
- While Loop
- Break, Continue, Pass
- While Loop Practice

6 Functions

– Day 11-15

- Define Function
- Parameter and Argument
- Calling Function
- Iterate, Iterable and Iterators
- How Next function work's
- Creating of for loop
- Define Range Function
- Yield Function
- Local and Global Variable
- Arbitrary Arguments
- Keyword Arguments
- Lambda Function
- List Comprehension
- Map
- Filter
- Reduce

7 Exception Handling

– Day 16

- Try and Except
- Fix Errors
- Learn about different different Errors
- Else and Finally

8 File Handling

– Day 17

- Create New File
- Modify Old File
- Read File
- Delete File

9 OOPs

– Day 18

- Introduction of OOPs
- Class
- Object
- Methods
- Attributes

10 Classes

– Day 19

- Create Class
- Define Object
- Uses of Object
- Methods

11 Inheritance

– Day 20-21

- How Inheritance Work
- How we Inherit Methods and Attributes
- Multi - Level Inheritance
- Single - Level Inheritance
- Multiple Inheritance
- Super Method
- How we access parent class method within the child class

12 Decorator's Function

– Day 22

- Implementation of Decorator Functions
- Use of decorator

13 Classes Concept

– Day 23

- Methods Overriding
- Method Overloading

14 OOPs

– Day 24-25

- Polymorphism
- Encapsulation - Public, Private, Protective
- Abstraction
- Access class Methods without using self
- How we use Self
- Normal other Functions

SOFTCRAYONS®

Testimonials of Students



Karan Gupta
3 reviews

★★★★★ 5 months ago

Softcrayons ghaziabad training is the best training company.i have done my python training here.they are provide good service thank you softcrayons



Abhinav Bhola (EA2232251010206)
1 review

★★★★★ 5 months ago

Hello, I'm Abhinav.

Today, I completed my training in Python data analytics at Softcrayons in Ghaziabad. I'm very pleased with the classes at Softcrayons and want to thank Shivani Tyagi ma'am for her support during my class timings. If you're a learner, I highly recommend you try Softcrayons. They offer proper practical training classes.

Thank you, Softcrayons.



Jyoti Maurya
2 reviews

★★★★★ 3 weeks ago **NEW**

I completed my Data Science course at Softcrayons, and it was an amazing learning experience. The curriculum was comprehensive, and the instructors provided hands-on training with real-world projects. Thanks to their 100% placement ... [More](#)



Chandan Kumar
1 review - 1 photo

★★★★★ a day ago **NEW**

Hii , I am chandan kumar , I have taken python course at Softcrayons and I am very much satisfied with the facilities. Right after completing the course I got placement with 3.5LPA package . I really appreciate the efforts of Softcrayons and want to thank entire team of Softcrayons.



Ankur Chauhan

★★★★★ 23 minutes ago **NEW**

Hii , I am Ankur doing Python Full Stack course in Softcrayons and i am very much satisfied with this institute in terms of quality, management and support from everyone. I want to thank specially Gaurav Sir for the quality teaching he is providing here...thank you...

PLACEMENT COMPANIES





SOFTCRAYONS®



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