FIREBLAZE
A.I SCHOOL

Certification in Core & Advance Python

PROGRAM OVERVIEW

Fireblaze Artificial Intelligence School aims to meet the growing demand for talent in the field of Development by providing industry-relevant training and education to develop business-ready professionals.

We have strong foundation of training students, college faculties and Company professionals. We hold a legacy of training 1000+ students 200+ faculties. Our students are placed in various companies such as Mu Sigma ,Value Labs ,Accenture, Capgemini and many more.

PROGRAM OBJECTIVE

This program of Fireblaze AI School focuses on building candidates foundation in the world of Data. In this program we assume that the candidate has no prior coding experience and train him from basis of programming in Python to performing advanced level of python coding. This would help the participants go from a real world business problem to a first cut, working and deployable Python driven solution to the problem.

This course will focus on practical knowledge more than theoretical rigour. That doesn't mean that we would water down the content. We will try and balance the theory and practice while giving more preference to the practical and applied aspects of Python Programming as the course name suggests. Through the course, we will work on multiple coding assignments to help students grasp the practical details of building Python programming driven solutions. For each Concept in the course, we would provide examples to provide the intuition and show how the idea to used in the real world.

DESCRIPTION OF PROGRAM

- The duration of the program is for 2 Months. Out of which theory to practical ratio is 1:9.
- There are no pre requisite for this course.
- During this 2 months of Training the candidate will dive in to the world of Python Programming and would be made versed with
  - Python Environment Setup and Essentials
  - Introduction to Python
  - Installing Python on Windows, Linux and Mac
  - Which Python is right for you ?
  - Installation Steps on Windows
  - Installing Anaconda
  - Anaconda Navigator
  - Working with Jyupter IDE
  - **Python Programming**
    - ～ History
    - ～ Feature
    - ～ Setting up path
    - ～ The Basics Arithmetic

KEY POINTS OF PROGRAM

- ～ Operators & Expressions
- ～ Arithmetic Operators
- ～ RelationalOperators
- ～ LogicalOperators
- ～ ControlStatements
- ～ If statement
- ～ If else statement
- ～ If elif statement
- ～ For and While Loops
- ～ Break and Continue in Loops
- **Python Programming**
  - ～ Native Data Types
  - ～ Immutable & Mutable Data Types
  - ～ Manipulating Strings
  - ～ List and List Comprehension
  - ～ Tuple Immutable Data Type
  - ～ Set operations
  - ～ Dictionary as key-value pair Json

KEY POINTS OF PROGRAM

- **Python Programming**
  - ～ Function Parameters
  - ～ Local Variables
  - ～ The global statement
  - ～ Default Argument Values
  - ～ Keyword Arguments
  - ～ Var Args parameter
  - ～ The return statement
  - ～ Lambda, Map and Filter functions
  - ～ DocStrings
- **Writing Object Oriented Program**
  - ～ Writing our first Class
  - ～ The Self clause
  - ～ Methods in Classes
  - ～ The 'init' - Initialization of Class
  - ～ Class And Object Variables
  - ～ Inheritance in Python
  - ～ DocStrings

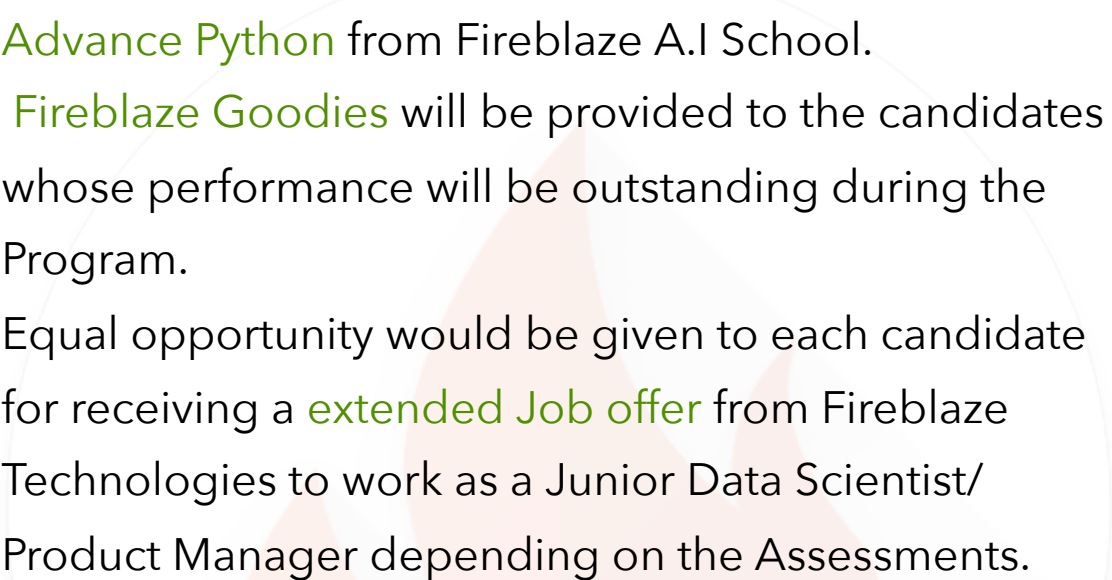# KEY POINTS OF PROGRAM

- **File Handling in Python**
  - Open a File
  - Read from a File
  - Write into a File
  - WITH clause for file
  - The Pickle Library (Serialize and De-serialize Python Objects)
  - The Shelve Library (Overcome the limitation of Pickle)
- **Exception Handling in PythonOpen a File**
  - What is Exception?
  - Handling an exception
  - The except Clause with No Exceptions
  - The except Clause with Multiple Exceptions
  - The try-finally Clause
  - Argument of an Exception
  - Raising an Exception

KEY TAKEAWAYS OF THE PROGRAM

- Candidates will be provided Certification in Core & Advance Python from Fireblaze A.I School.

- Fireblaze Goodies will be provided to the candidates whose performance will be outstanding during the Program.

- Equal opportunity would be given to each candidate for receiving a extended Job offer from Fireblaze Technologies to work as a Junior Data Scientist/ Product Manager depending on the Assessments.

STRUCTURE OF THE PROGRAM

- Duration : 2 Month
- Delivery Mode : Offline
- Location : Fireblaze A.I School, Nagpur
- Vacancies : 20 Seats Strictly

For further details you can visit : www.fireblazeaischool.in
And also contact +91-93250 13467

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