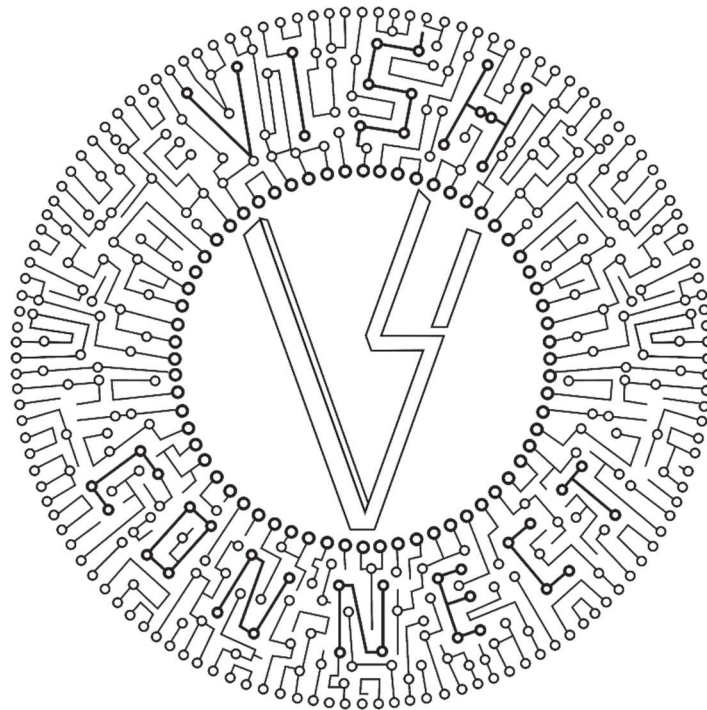




VISHCONNECT SOLUTIONS

Simplify Work Through Automation

Basic Python Workshop



Session 1: Introduction to Python Programming

- **Duration: 1.5–2 Hours**
 - **Topics:**
 - **Overview of Python and its applications**
 - **Setting up the Python environment (IDLE, Anaconda, Jupyter Notebook)**
 - **Basic syntax and structure of a Python program**
 - **Variables, data types, and type conversion**
 - **Input/output functions**
 - **Practical Activities:**
 - **Install Python and set up the environment**
 - **Write your first Python program (“Hello, World!”)**
 - **Practice working with variables and printing outputs**
 - **Take user input and perform simple calculations**
-

Session 2: Control Structures and Functions

- **Duration: 1.5–2 Hours**
 - **Topics:**
 - **Conditional statements (if, elif, else)**
 - **Looping constructs (for, while, nested loops)**
 - **Introduction to functions**
 - **Defining and calling functions with parameters**
 - **Understanding return values**
 - **Practical Activities:**
 - **Write a program using conditional logic**
 - **Create loops to automate repetitive tasks**
 - **Define functions to solve small problems (e.g., area of a circle)**
 - **Use functions with loops for better modularity**
-

Session 3: Data Structures and Basic File Handling

- **Duration: 1.5–2 Hours**
- **Topics:**
 - **Lists, tuples, and dictionaries: creation and operations**
 - **String manipulation**
 - **Introduction to file handling (reading from and writing to text files)**
 - **Error handling with try-except blocks**
- **Practical Activities:**
 - **Manipulate strings and lists in small exercises**
 - **Create and update a dictionary to store and retrieve data**
 - **Write a program to read and write text files**
 - **Handle errors gracefully using try-except**

Basic Python Workshop

Contact Information:

For any questions or further information, please contact us at:

Email: info@vishconnect.com

Phone: +1 437 452 9029