Python based Coding Course Curriculum

Introduction to Programming and No Code Tools

- Understanding the basics of coding and its applications.
- Introduction to No Code tools like edublocks.org for easy coding exploration.
- Implementing simple tasks using No Code platforms.

Basic Python Programming

- Python syntax, data types, and control structures.
- Variables, loops, and conditional statements.
- Writing Python based games to improve Creativity.

Introduction to Integrated Development Environments (IDEs)

- Understanding the importance of IDEs in professional coding.
- Introduction to Visual Studio Code (VSCode) for Python development.
- Setting up and configuring VSCode for coding projects.

Functions and Modules

- Functions, modules, and packages in Python.
- File handling and data input/output in Python.

Data Structures and Algorithms

- Lists, Tuples, and Dictionaries: Working with Python's versatile data structures.
- Algorithms and Problem-Solving: Developing algorithmic thinking and problem-solving skills.

Object-Oriented Programming (OOP)

- Introduction to OOP: Understanding classes, objects, and inheritance in Python.
- Applying OOP Principles: Building object-oriented Python programs.

Final Capstone Project

- Undertaking real-world coding projects using Python and VSCode.
- Applying coding skills to solve practical problems and challenges.

Prerequisites:

- None

Why Choose Our Course?

Our Python Coding Course is tailored to meet the demands of the Canadian job market, providing hands-on projects and mentorship from experienced Python developers. With comprehensive learning and career support, you'll build a portfolio showcasing your coding expertise, making you a highly competitive candidate for tech-related job opportunities in Canada. Whether you're an entry-level professional or an University student, embrace the world of coding with Python and unleash your potential. Enroll in our course today to embark on a successful career journey in Canada's tech-driven industries.