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Course Syllabus: Introduction to Programming with Python and Java

Batch Name: Introduction to Programming with Python and Java

Eligibility: 12th

Course Start: 1st of Every Month

Course Duration: 90 Hours

Courses / Modules Paper

Module 1

Paper 1	Paper 2
Programming with Python	Programming with Java

Paper 1: Programming with Python

Introduction to Python Programming

1.1 Core aspects and features of Python
1.2 Programming Principles
1.3 Python Syntax and Semantics
1.4 Computer Programming
1.5 Python Programming
1.6 Python Tools

Inheritance and Data Structures in Java

2.1 Data Structure
2.2 Problem-Solving
2.3 Debugging
2.4 Java Programming
2.5 Concept of Inheritance in object-oriented programming

Data Analysis using Python

1.1 Python Libraries
1.2 Data Science
1.3 Data Analysis
1.4 Python Programming
1.5 Data Visualization

Paper 2: Programming with Java

Introduction to Java and Object-Oriented Programming

2.1 Core aspects of object- oriented programming
2.2 Features of Java language
2.3 Unit testing
2.4 Java Syntax
2.5 Java Programming
2.6 Java Tools