



F E E L IT

India . USA . Singapore



Course Name: Python Programming

Course Schedule

Days	Duration	Hours	chapter	Chapter name	Topics
Day 1	10 A.M to 11 A.M	1	1	Beginning Python	Introduction, Learning Programming with python, Python Interactive shell
	11 A.M to 12 P.M	2	2	values and Variables	Integers and String Values, Variables and Assignment Identifiers, Floating-point Numbers ,Control code with strings, User input Controlling print function, String formatting
	12 P.M to 1 P.M	3	3	Expression and Arithmetic	Expression, Mixed Type Expression Operator precedence and Associativity Formatting Expressions, Comments Errors, Arithmetic Examples
	2 P.M to 3 P.M	4	4	Conditional Execution	Boolean Expressions If,elif,else statement Nested Conditionals
	3 P.M to 4 P.M	5	4	Conditional Execution	Multi-way Decision Statements Multi-way versus Sequential conditionals Logic complexity
	4 P.M to 6 P.M	6,7	Activity		
Day 2	10 A.M to 11 A.M	8	5	Iteration	While statement Loops vs Infinite Loops For Statement
	11 A.M to 12 P.M	9	5	Iteration	Nested Loops,Break,Continue Statement
	12 P.M to 1 P.M	10	6	Using Functions	Functions and Modules,Bult-in Functions eval and exec Functions, Turtle Graphics,
	2 P.M to 3 P.M	11	6	Using Functions	Using functions, Writing Functions, More on Functions
	3 P.M to 4 P.M	12	7	Objects	Using Objects, String Objects File Objects, Fraction Objects Turtle graphic Objects, Graphics with tkinter Objects Garbage Collections
	4 P.M to 6 P.M	13,14	Activity		
Day 3	10 A.M to 11 A.M	15	8	Lists	Using Lists, List traversal,Building Lists List Bounds,Slicing List Element Removal,List and Functions List methods
	11 A.M to 12 P.M	16	9	Tuples, Dictionaries, and Sets	Tuples,Arbitrary Arguments Lists Dictionaries,Counting, Grouping with Dictionaries Sets,Set quantification with all and any Enumerating the elements of a Data structure
	12 P.M to 1 P.M	17	10	Handling Exceptions	Common Standard Exceptions,Handling Multiple Exceptions, The catch-all Handler Catching Exception Objects,Exception Handling Scope Raising Exceptions,The try statements optional else Block Finally block,
	2 P.M to 3 P.M	18	11	Custom types	Circle Objects,Restricting Access to Members Rational Numbers,Bank Account Objects Stopwatch Objects,Traffic Light Objects Automated testing,Class variables
	3 P.M to 4 P.M	19	12	Class Design: Composition and inheritance	Composition,Class Inheritance Composition vs Inheritance,Multiple Inheritance Unit Testing,Custom Exceptions
	4 P.M to 6 P.M	20,21	Activity		