

PYTHON-PROGRAMMING (SYLLABUS)

Duration: 40 Hrs

Course Fee: Rs. 9,500/-

G-Pay : 98940 83890

Days	Python Syllabus	Remarks
Day - 1	Introduction to Python	
Day - 2	Environment setup (software installation). how to open Python-shell mode,source mode simple program save and run	
Day - 3	building blocks of python. * variables? * comment line * print statement,escape sequence, end, separator, %,doc string, type,id	
Day - 4	* datatypes? * operator?	
Day - 5	* data structure: list,tuple,set,dict (basic)	
Day - 6	* slicing	
Day – 7,8	How to get value at Run time? - Conditional Branching control statements: simple if, if else, if elif, nested if	
Day – 9	errors (name,type,value,indent,zerodivision, key,attribute,index,syntax)	
Day – 10,11,12	Conditional looping control statements: while, for	
Day – 13,14	nested loop.	
Day – 15	jumping statement(pass,continue,break)	
Day – 16	Built in functions - String functions,math function,random function	
Day – 17	data structure: list,tuple,set,dict (advanced-inbuilt function)	
Day – 18,19	Functions- user define function - 4 types - Functions-Recursion, global variable	
Day – 20,21	Functions- variable length Arguments-Default, Keyword, Arbitrary	

	- Lambda function- (basic lambda, lambda with filter, lambda with map)	
Day – 23	Modules and Package-User program as modules and Packages. - Files-Different types of files-File operation.	
Day – 24	Errors and Exceptions Handling-Errors. Assert, Try, except, Finally - Exceptions Try, Finally, User defined exception.	
Day – 25	Object Oriented Programming-Class, Object,	
Day – 26	user defined function(object return),	
Day – 27	constructor,destructor	
Day – 28	Inheritance, and Polymorphism	
Day – 29,30	Reference Types- Iterator, Generator. - Reference Types -Closure, Decorators.	
Day – 31	Thread-Multithread.	
Day – 32	Graphical User Interface-Textbox, Listbox	
Day – 33	Button,Image,Option Button, Menu, Canvas.	
Day – 34	mysql installation + basic query	
Day – 35	database connectivity - insert	
Day – 36	database connectivity -search	
Day – 37	database connectivity-delete,update	
Day – 38,39,40	Project - mini	