

SN O	Topic	Details	Hours	Start Date	End Date	Reference Links
1	Introduction to python	What is python? Why Python? PVM and basic concepts related to Python Python set up (installation)	2	16-March-2021	16-March-2021	https://www.c-sharpcorner.com/blogs/pvmpython/machine#:~:text=So%20PVM%20is%20nothing%20happens%20internally%20in%20memory. https://www.assignmenthelp.net/python https://www.tutorialspoint.com/python/index.htm
2	Basics in python	Indentation Basic datatypes operators Commenting in python scopes Main and methods in python Simple and logical assignment in python	2	16-March-2021	16-March-2021	https://www.tutorialspoint.com/namespaces-and-python
3	String in python	- python functions for strings (Slicing, Modify , contenation etc)	2	16-March-2021	16-March-2021	https://www.programiz.com/python-programming
4	Datastructures in python	- List - Map - Tuple - Set - Frozen set - dictionary - Assignment on datastructure	4	16-March-2021	17-March-2021	https://realpython.com/python-data-structures/
5	Flow control statement	- If and else - for loops - break - continue - while	3	17-March-2021	17-March-2021	https://www.tutorialspoint.com/loops-and-control_continue-break-and-pass-in-python
6	Lambda function	- Lambda - stream functions(map,filter,peek etc) - Decorator - generators	3	17-March-2021	17-March-2021	https://youtu.be/RQRCWDK9UkA
7	OOPs in	- class and	4	17-	17-	

	python	object - polymorphism - inheritance - Encapsulation - Abstraction		March-2021	March-2021	
8	Exception handling	- Exception handling in python	2	17-March-2021	17-March-2021	https://youtu.be/NMTEjQ8-AJM
9	File Functions	- write file - read file - pickle - unpickle	2	17-March-2021	17-March-2021	https://www.tutorialspoint.com/python/python_file_handling.htm
10	Regular Expression	- Regular expression - Search - match - findall() - split - different functions of regular expression	4	18-March-2021	18-March-2021	https://www.guru99.com/python-regular-expression-tutorial.html
11	Thread	Threads and functions in thread	3	18-March-2021	18-March-2021	
12	Database	- CRUD operation and connections with database in python	4	18-March-2021	18-March-2021	
13	Python date and time	- python datetime module - pytz	2	18-March-2021	18-March-2021	
14	Pymysql	Python database connection module	2	18-March-2021	18-March-2021	
15	sqlalchemy	python database connection library	2			
15	Parsing libraries	- tika - html table parser - pyPdf - camelot - Selenium	6	19-March-2021		
16	APIs	- flask	8			
17	Assignment	- can give a task to parse a document	16			

