

PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
PANIPAT
Department of Management Studies

Semester: 4th

Faculty Name: Monika

Course Title: **Data Analysis using Python** Course No . BA-405

Sr. No.	Lecture No.	Topics to be covered	Target Outcome
1	L-1	Introduction to Computer	CO1
2	L-2	Introduction to Python Programming	CO3
3	L-3	Basics of Python Programming Session -1	CO3
4	L-4	Basics of Python Programming Session -2	CO3
5	L-5	Variables, Expressions and Statements Session -1	CO3
6	L-6	Variables, Expressions and Statements Session -2	CO1
7	L-7	Decision Statements Session-1	CO1
8	L-8	Decision Statements Session-2	CO1
9	L-9	Conditional and Looping Construct Session-1	CO1
10	L-10	Conditional and Looping Construct	CO1

Sr. No.	Lecture No.	Topics to be covered	Target Outcome
		Session-2	
11	L-11	Conditional and Looping Construct Session-3	CO1
12	L-12	Functions session-1	CO2
13	L-13	Functions session-2	CO2
14	L-14	Strings Session-1	CO2
15	L-15	Strings Session-2	CO2
16	L-16	Lists List Processing: Searching and Sorting	CO3
17	L-17	Object-oriented Programming: Class, Objects and Inheritance Session-1	CO3
18	L-18	Object-oriented Programming: Class, Objects and Inheritance Session-2	CO3
19	L-19	Tuples, Sets and Dictionaries	CO3
20	L-20	Graphics Programming: Drawing with Turtle Graphics Session-1	CO4

Sr. No.	Lecture No.	Topics to be covered	Target Outcome
21	L-21	Graphics Programming: Drawing with Turtle Graphics Session-2	CO4
22	L-22	Graphics Programming: Drawing with Turtle Graphics Session-3	CO4
23	L-23	Graphics Programming: Drawing with Turtle Graphics Session-4	CO4
24	L-24	File Handling Session-1	CO4
25	L-25	File Handling Session-2	CO4
26	L-26	File Handling Session-3	CO4