

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
CHHATTISGARH INSTITUTE OF TECHNOLOGY, JASHPUR (C.G.)

LESSON PLAN SESSION JUL – DEC 2025

SUBJECT: **SCRIPTING LANGUAGE (PYTHON)**

SEMESTER: **3RD**

BRANCH: - **COMPUTER SCIENCE & ENGINEERING**

UNIT NUMBER	NAME OF THE TOPIC	NO OF CLASS REQUIRED	REMARK
UNIT 01: Introduction to Python Programming	1.1 Features of Python	01	
	1.2 Working mode 1.2.1 Interactive mode 1.2.2 Script mode	01	
	1.3 Variable and Data types 1.3.1 Numbers 1.3.2 Sequences	02	
	1.4 Keywords	01	
	1.5 Operators 1.5.1 Relational 1.5.2 Logical 1.5.3 Assignment	02	
	1.6 Input and Output 1.6.1 raw input 1.6.2 print	01	
	Doubt Class	01	
Unit 02: Control Structure	2.1 Decision making 2.1.1 The if else statement 2.1.2 if-elif-else statement	03	
	2.2 Control flow 2.2.1 while loop and its nesting 2.2.2 for loop 2.2.3 break, continue statement	03	
	Doubt Class	01	
Unit 03: Sequence, Dictionary & Built in Function	3.1 Sequence 3.1.1 List: create, access & update list, basic operation on list, built in function of list 3.1.2 Declaration of Pointer	03	
	3.2 Dictionary 3.2.1 Basic operation, Built in function and method	02	
	3.3 Calendar and time function	01	
	3.4 Built in function of Python: cmp, range round	01	
	Doubt Class	01	
Unit 04: Function and File handling	4.1 Introduction to module, 4.1.1 import module 4.1.2 from module 4.1.3 math and random module	02	
	4.2 user defined function 4.2.1 need of user defined function 4.2.2 define and declare function 4.2.3 function with return type and arguments	03	
	4.3 Exception handling 4.3.1 need of exception handling 4.3.2 raise, try, catch and finally	03	
	Doubt Class	01	

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Unit 05: GUI Programming	5.1 Need of GUI 5.1.1 Advantage of GUI 5.2.1 List of graphic library	01	
	5.2 Tkinter graphic 5.2.1 creating window 5.2.2 label, button, checkbox 5.2.3 action on button click 5.2.4 text entry box 5.2.5 layout management using pack(), frame(), grid(), menu(), canvas(), create_line(), create_image() 5.2.6 events-capturing mouse 5.2.7 tkMessage Box, askyesno	05	
	Doubt Class	01	
Total Class Required		40	

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