



Government Girls Polytechnic Bilaspur

Department of Computer Science & Engineering

LESSON PLAN SESSION: Jul-Dec 2024

Subject: Scripting Language (Python)

Subject Code: 2022372(022)

Semester: III

Name of the Subject Teacher: Mr Nuresh Kumar Dewangan

Unit	Topics/Subtopics to be covered	No. of periods planned
Unit-1 Introduction to Python Programming	1.1 Features of Python, Interactive vs Script Mode	1
	1.2 Keywords, Variables, Data Types (Numbers)	1
	1.3 Operators – Arithmetic, Relational, Logical, Assignment	1
	1.4 Input/Output – input(), print(), type conversion	1
	Revision – Unit 1	1
Unit-2 Control Structure	2.1 Decision Making – if, if-else, if-elif-else	1
	2.2 Loops – while loop, for loop	1
	2.3 break, continue statements	1
	Revision – Unit 2	1
	Quiz – 1	1
Unit-3 Sequence, Dictionary & Built in Function	3.1 List – create, access, update, basic operations, built-in functions	1
	3.2 Tuple – create, access, update, basic operations	1
	3.3 Dictionary – basic operations, built-in functions & methods	1
	3.4 Calendar & Time functions, Built-in functions – cmp, range, round	1
	Revision – Unit 3	1
	Quiz – 2	1
Unit-4 Function & Exception Handling	4.1 Modules – import, from, math and random module	1
	4.2 User Defined Function – need, define, declare, return type and arguments	1
	4.3 Exception Handling – need, raise, try, catch, finally	1
	Revision – Unit 4	1
Unit-5	5.1 Need of GUI, Advantage of GUI, List of graphic library	1

GUI Programming	5.2 Tkinter – Creating Window, label, button, checkbox	1
	5.3 Action on button click	1
	Revision – Unit 5	1
	Quiz – 3	1
	Total Class	25

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