



# 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
<b>Unit-1 Introduction to Python Programming</b>	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
	<b>Revision – Unit 1</b>	1
<b>Unit-2 Control Structure</b>	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
	<b>Revision – Unit 2</b>	1
	<b>Quiz – 1</b>	1
<b>Unit-3 Sequence, Dictionary &amp; Built in Function</b>	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
	<b>Revision – Unit 3</b>	1
	<b>Quiz – 2</b>	1
<b>Unit-4 Function &amp; Exception Handling</b>	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
	<b>Revision – Unit 4</b>	1
<b>Unit-5</b>	5.1 Need of GUI, Advantage of GUI, List of graphic library	1

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