

GANPAT UNIVERSITY												
FACULTY OF MANAGEMENT STUDIES												
Programme		Bachelor of Business Administration				Branch / Spec.		Business Analytics				
Semester		VI				Version		1.0.0.0				
Effective from Academic Year			2025-26			Effective for the Batch Admitted in			July 2023			
Subject Code		6A01DDP		Subject Name		Dealing With Data Using Python						
Teaching Scheme						Examination Scheme (Marks)						
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CE	SEE	Total			
	L	TU	P	TW								
Credit	02	00	02	00	04	Theory	20	30	50			
Hours	02	00	04	00	06	Practical	20	30	50			
Pre-requisite:												
None												
Objective:												
Define and demonstrate the fundamental programming concepts of Python.												
Write clean and effective Python code.												
Use inbuilt modules and also create custom module.												
Use Data visualization utility.												
Learning Outcomes/Course Outcomes:												
On successful completion of the course, the students will be able to:												
CO1- Will be able to define and demonstrate the fundamental programming concepts of Python.												
CO2- Able to implement various data structure in Python application.												
CO3- Students will be able to use string and file manipulation functions.												
CO4- Students will be able to use data visualization utility.												
Mapping of PO-CO and PSO-CO:												
		Course Outcome (CO) No.	PO-CO Mapping						PSO-CO Mapping			
			PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
		CO1	3	3	1	2	1	1	3	2	2	3
		CO2	3	3	1	2	1	1	3	2	2	3
		CO3	2	3	2	2	1	1	3	2	2	2
		CO4	2	3	2	2	1	1	3	2	2	3
Theory Syllabus												
Unit	Content								Hrs.			
1	Introduction to Python Python Introduction, Python Install, Python Syntax, Python Variables, Python Data Types, Python Numbers, Python Functions, Control and Loop Statements, Python Operators.								15			
2	Data Structures Python Lists, Python Tuples, Python Sets, Python Dictionaries.								15			
3	String and File Handling Python Strings, Python - Slicing Strings, Python - Modify Strings, Python - Format – Strings, Python - String Methods, File Handling, Python File Open, Python Write/ Create Files, Python Delete File								15			
4	Data Visualization Python Matplotlib, What is Matplotlib, Import Matplotlib, Matplotlib Line, Matplotlib Labels and Title, Matplotlib Adding Grid Lines, Matplotlib Bars, Matplotlib Histograms, Matplotlib Pie Charts								15			
	Exam: Practical 100%											
Text Book:												
	A Byte of Python By Swaroop C H											
Reference Books:												
	Fundamental of Python: First Programs By Kenneth A. Lambert											
Online Resource:												
	https://www.udemy.com/topic/mern-stack/ https://www.udemy.com/topic/mern-stack/											