Program: B.Com Economics and Analytics					Semester: II	
Course: Governance Practices in Data AY:2024-25					Course Code:	
Teaching Scheme					**Evaluation Scheme**	
Lecture (Hours per week)	Practical (Hours per week)	Tutorial (Hours per week)	Credit		Continuous Assessment (CA) (Marks -)	Semester End Examinations (SEE) (Marks - in Question Paper)
2	-	-	2			

Course Learning Objectives:
1. To understand the principles, concepts, and practices of data governance, including its significance underpinning data and quality management
2. To acquire knowledge about the roles and responsibilities of individuals involved in data governance processes, as well as the tools and processes used to facilitate effective governance frameworks
3. To analyze existing strategies for implementing effective data governance frameworks that align with organizational objectives and compliance requirements

Course Outcomes:
After completion of the course, learners would be able to:

CO1: Demonstrate and practice data integrity while maintaining data quality standards following principles and other practices

CO2: Identify and understand the significance and role of people, process, tools in governance to provide legitimacy withing data

CO3: Analyze and evaluate effective governance regulations to data while adhering to security protocols

Pedagogy:
Classroom based learning

Outline of Syllabus: (per session plan)

Module	Description	No of Hours
1	Data Governance and Its Ingredients	10
2	Data Life Cycle and Quality	10
3	Data Protection, Best Practices, and Case Study	10
Total		**30**
Practicals		**-**

Unit	Topic	No. of Hours
Module 1	**Data Governance and Its Ingredients** What is Data Governance? What Data Governance Involves, Why Data Governance Is Becoming More Important, Examples of Data Governance in Action, The Business Value of Data Governance, Why Data Governance Is Easier in the Public Cloud Ingredients of Data Governance: Tools, People and Processes The Enterprise Dictionary, The People: Roles, Responsibilities, and Hats, The Process: Diverse Companies, Diverse Needs and Approaches to Data Governance, People and Process Together: Considerations, Issues, and Some Successful Strategies	10
Module 2	**Data Life Cycle and Quality** Data Governance over a Data Life Cycle What Is a Data Life Cycle?, Phases of a Data Life Cycle, Data Life Cycle Management, Applying Governance over the Data Life Cycle, Operationalizing Data Governance Improving Data Quality? What Is Data Quality?, Why Is Data Quality Important?, Why Is Data Quality a Part of a Data Governance Program?, Techniques for Data Quality	10
Module 3	**Data Protection, Best Practices, and Case Study** Data Protection Planning Protection, Physical Security, Identity and Access Management, Data Protection Best Practices Building a Culture of Data Privacy and Security Data Culture: What It Is and Why It's Important, Starting at the Top—Benefits of Data Governance to the Business, Intention, Training, and Communications, Beyond Data Literacy, Maintaining Agility, Interplay with Legal and Security, Incident Handling, Importance of Transparency **Case Study** Google's Internal Data Governance	10

Reference Books:

[1] Evren Eryurek, Uri Gilad, Valliappa Lakshmanan, Anita Kibunguchy-Grant, Jessi Ashdown, ""Data Governance: The Definitive Guide", O'Reilly, 2021
https://www.oreilly.com/library/view/data-governance-the/9781492063483/