



Indraprastha College for Women

University of Delhi

Course Name:	B. A. (Program)
Paper Title:	Data Privacy
Unique Paper Code:	2343010010
Semester:	V
Faculty(s):	Vimala Kumari
Year:	2026

Unit No.	Learning Objective	Lecture No.	Topics to be Covered
I	Introduction to Data Privacy and Privacy Regulations:	1	Introduction to Data Privacy (1.1 Ref 3)
		2	What is Data Privacy & why is it Important? (1.2 Ref 3)
		3	Protecting sensitive data (1.2.1 Ref 3)
		4	Data Governance: What is it?
		5	Identifying sensitive data & Identifying PII
		6	Key Privacy Terminology, US Privacy Laws and regulations
		7	Privacy regulations: European Union, Key Roles and Terms in GDPR (14.1 Ref 2)
		8	Structure of GDPR (14.2 Ref 2)
		9	GDPR Objectives (14.3 Ref 2)
		10	Scope of GDPR (14.3 Ref 2)
		11	GDPR Principles: Fairness (14.4 Ref 2)
		12	GDPR Principles: Lawful & Transparency (14.4 Ref 2)
		13	DPDP Act 2023: Introduction & chap I (Preliminary) (Ref5)
		14	DPDP Act 2023: Chap II (Obligations of Data Fiduciary) (Ref5)
		15	DPDP Act 2023 : Chap II (Obligations of Data Fiduciary) (Ref5)
		16	DPDP Act 2023 : Chap III (Rights & Duties of Data Principal) (Ref5)
		17	DPDP Act 2023: Chap IV (Special Provisions) (Ref5)
		18	DPDP Act 2023: Chap V (Data Protect Board of India) (Ref5)
		19	DPDP Act 2023: Chap VI (Powers, Functions & Procedure to be followed by Board) (Ref5)

		20	DPDP Act 2023: Chap VII (Appeal & alternate Dispute Resolution) (Ref5)
		21	DPDP Act 2023: Chap VIII (Penalties & Adjudication) (Ref5)
		22	DPDP Act 2023: Chap IX (Miscellaneous), The Schedule (Ref5)
III	Data Collection, Use and Reuse:	23	Describing the Harms from Loss of Privacy, Public Perceptions of the Privacy Related Harm (Ref 1)
		24	Insecure A& Imprecise Use of Data (Ref 1)
		26	Methods of Protecting Data (1.4 Ref 3)
		27	Importance of Balancing Data Privacy and Utility (1.5 Ref 3) Measuring Privacy & utility of Anonymized data (1.5.1 & 1.5.2 Ref 3)
		28	Introduction to Anonymization Design Principles (1.6 Ref 3)
		29	Nature of Data in Enterprise ((1.7 Ref 3) Multidimensional Data (1.7.1 Ref 3) Transaction Data (1.7.2 Ref 3)
		30	Longitudinal Data (1.7.3 Ref 3) Graph Data (1.7.4 Ref 3) Time Series Data (1.7.5 Ref 3)
IV	Ethical considerations in Data Privacy:	31	How Does Data Protection Protect against Insecure and Imprecise Use of Data, The GDPR (Ch3: III Ref 1)
		32	Transparency, Consent & Fair Processing, Privacy vs Consumer Protection (Ch3: III Ref 1)
		33	Measuring the Benefits & Risks of Data-Driven Automated Decision-Making (surveillance) (Ch3: I(Ch3: IV Ref 1)
		34	Model Surveillance System, Estimating the net benefit of a surveillance system (Ch3: IV Ref 1)
		35	Risks of surveillance system resulting in Net Harm (Ch3: IV Ref 1)
		36	Revision

Unit	TOPICS
I	Introduction to Data Privacy and Privacy Regulations: Notion of data privacy, Historical context of data privacy, Types of sensitive data, Privacy laws and regulations.
II	Data Privacy Attacks, Cryptography and Data Protection: Type of Attacks/ Data Breaches on Data Privacy, Impact of Data Breaches / Attacks, Introduction to cryptography, Symmetric and asymmetric encryption, Hashing and digital signatures.

III	Data Collection, Use and Reuse: Harms Associated with Data collections, use and reuse, Introduction to data anonymization, Data Anonymization Techniques for anonymizing data, Challenges in anonymizing data
IV	Ethical considerations in Data Privacy: Privacy and Surveillance, Ethics of Data Collection and Use, Bias and discrimination in data analysis
S. No.	Name of Authors/Books/Publishers
1.	1. Ronald Leenes, Rosamunde van Brakel, and Serge Gutwirth: Data Protection and Privacy: The Age of Intelligent Machines, Hart Publishing, 2017.
2.	Naavi: Personal Data Protection Act of India (PDPA 2020): Be Aware, Be Ready and Be Compliant, Notion Press, 2020.
3.	Ravinder Kumar Gaurav Goyal, The Right to Privacy in India: Concept and Evolution, Publisher: Lightning Source, 2016
	Additional References 1. https://onlinecourses.nptel.ac.in/noc22_cs37/preview 2. https://www.coursera.org/learn/northeastern-data-privacy/home/info

Paper Components			
Credits	Lecture (L)	Tutorial (T)	Practical (P)
6	4	0	2
Assessment Scheme			
S. No.	Component	Marking Scheme	Total Marks
1	Internal Assessment - Assignment/Quiz/Project/Presentation - Class Test - Attendance		30
		12	
		12	
		6	

2.	Practical		50
	• Continuous Assessment	20	
	• End Term Written/Practical Exam	20	
	• Viva	10	
3.	End Semester Examination		90