


<p style="text-align: center;">The LNMIIT, Jaipur Department of Electronics and Communication Engineering IT Act and Data Protection (ECE-)</p>	 <p style="text-align: center;">LNMIIT The LNM Institute of Information Technology</p>
--	--

Subject Code: ECE-	Course Title: IT Act and Data Protection for Engineers	Total Contact Hours: 40	L: 3	T: 0	P: 0	C:
Pre-requisite: None		Year: 4th	Semester:			
Type of Course:						

** L → Lectures, T → Tutorials, P → Practical C → Credit

Learning Objective:

India is growing digitally and so are the rules, regulations and acts associated with technologies coming into formation both at national and international levels. Every day we use the internet and various social media platforms/websites/Apps to communicate with each other for transferring personal/non-personal data. The government is also using various platforms for e-governance and corporations are encouraging e-commerce activities which encourage the use of digital signatures, certificates, contracts and agreements. The law imposes the rightful use and secure handling and presenting of data. This course will help students to make aware of such rights, rules, liabilities and processes associated with data handling. The course will help students to understand the technical as well as legal perspectives associated with data transmission, storage and handling which will help them in their professional and personal capacities.

Course outcomes (COs):

On completion of this course, the students will have the ability to:		Bloom's Level
CO-1	Recognize basic key terminology associated with data protection and privacy	1
CO-2	Clarify the point of view related to act, rules and regulations associated with data and privacy	2
CO-3	Demonstrate the act of law using case studies	3
CO-4	Discuss the personal, non-personal and healthcare data protection as per law	2
CO-5	Recognize the usefulness and make aware of students	1

Course Topics	Lecture Hours	
UNIT – I (Introduction)	5	5 CO-1
1.1 Defining data, meta-data, big data, non-personal data, digital person and others	1	
1.2 Objective, Key concepts, and Principles	2	
1.3 Principles Defining Privacy, legislative privacy and Data Protection Law in India	2	
UNIT – II (Information Technology ACT 2000)	9	9
1.1 Preliminary definitions and offences.	2	

1.2 Digital Signature &Certificates, Electronics Governance and Security procedure	3	CO-2
1.3 Controller, Duties of Subscribers, Cyber regulations appellate	3	
1.4 Amendments in IPC and The Indian Evidence Act, 1872	1	
UNIT – III (Personal Data Protection)	10	10 CO-3
1.1 Data protection obligations and Grounds for processing Personal data	2	
1.2 Grounds for Processing Sensitive Personal Data	2	
1.3 Data Associated with children, Transparency and Accountability Measures	2	
1.4 Data Transfer outside India, Data Protection Authority of India	2	
1.5 Offences, Exemptions, Penalties, and Remedies	2	
UNIT-IV (General Data Protection Regulation)	9	9 CO-4
1.1 General provisions and Principles	3	
1.2 Rights of data subjects, Right of access, Right to be forgotten and Right to be informed)	3	
1.3 Remedies, liability, penalties, and Final Provisions	3	
UNIT-V (Healthcare Data Protection)	7	7 CO-5
1.1 Preliminary and definitions	1	
1.2 NeHA, SeHA and Health Information Exchanges	1	
1.3 Data ownership, security and standardization	1	
1.4 Purposes of collection, storage, transmission and use of the digital health data	1	
1.5 Offences and Penalties	1	
1.6 Central and State Adjudicating Authorities	1	
1.7 Miscellaneous Provisions	1	

References:

1. IT ACT 2000, published by GoI New Delhi, the 9th June, 2000/Jyaistha 19, 1922 (Saka). Available online at The Gazette of India:
<https://eprocure.gov.in/cppp/rulesandprocs/kbadqkdlcswfjdelrquehwuxcfmijmuixngudufgbuubgu bfugbububjxcgfvsbdi hbgfGhdfgFHtyyhRtMjk4NzY=>
2. The Digital Personal Data Protection Bill, 2022, Ministry of Electronics & Information Technology (MeitY) available at: <https://www.meitY.gov.in/content/digital-personal-data-protection-bill-2022>
3. Data protection law in India by Pavan Duggal, Universal law publishing co. (ULPC), 1 Jan 2016
4. GDPR available at : <https://gdpr-info.eu/>

The LNMIIT, Jaipur
Department of Electronics and Communication
Engineering
IT Act and Data Protection (ECE-)



Text Book:

Reference books:

1. Private and Controversial: When Public Health and Privacy Meet in India by Smriti Parsheera, HarperCollins India, 10 Jan 2023.
2. Privacy 3.0: Unlocking our data-driven future by Rahul Mattan, HarperCollins India, June 2018
3. Data: New Trajectories in Law by Robert Herian, Routledge, March 2021

Additional Resources:

Evaluation Method	
Item	Weightage (%)
Quizzes	10
Short project	20
Midterm	30
Final Examination	40

* *Please note, as per the existing institute's attendance policy the student should have a minimum of 75% attendance. Students who fail to attend a minimum of 75% lectures will have the following penalties:

One grade reduction for students having 60-74% attendance.

Two grades reduction for students having less than 60% attendance.

CO and PO Correlation Matrix for B.Tech

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	1						2	1		3	3	1	
CO2	3	3	2						2	1		3	3	1	
CO3	3	3	1						2	1		3	3	1	
CO4	3	2	1						2	1		3	3	1	
CO5	3	3	1						2	1		3	3	1	

Last Updated On: 24th OCT 2024

Designed By: Abhishek Sharma

Approved By: