	n Security and udit	<u>L</u> 3	T 0	P 2	Netw	orking
implementing		To discovery kn	nowledge i	n collecting data	I processing information about organization. Tactivities.	
S. NO			Cours	se Outcomes (C	(0)	
CO1	Understand risk assessment in information handling and processing.					
CO2	Implement security in auditing.					
CO3	Acquire knowledge in data collection about organizations.					
CO4	Perform various analyses on information risk assessment. Comprehend IT auditing and its activities.					
S. NO	Contents					Contact
UNIT 1	Conventional Encryption Principles & Algorithms (DES, AFS, RC4, Blowfish), Block Cipher Modes of Operation, Location of Encryption Devices. Key Distribution. Public key cryptography principles, public key cryptography algorithms (RSA, Diffie-Hellman, ECC), public Key Distribution.			8		
UNIT 2	Kerberos, X.50 Good Privacy (Authentication	· ·	hentication y: Overvie ulating Sec	n Service, Email w, IP Security A curity Payload, G		9
UNIT 3	Secure Electron		(SET). Fire	ewalls: Firewall	Layer Security (TLS), Design principles,	9

	TOTAL	42
UNIT 5	Approaches to Audits, Technology Based Audits Vulnerability Scanning And Penetration Testing, Resistance to Security Audits, Phase in security audit, Security audit Engagement Costs and other aspects, Budgeting for security audits, Selecting external Security Consultants. Key Success factors for security audits.	
UNIT 4	Introduction, Basic Terms Related to Audits, Security audits, The Need for Security Audits in Organization, Organizational Roles and Responsibilities for Security Audit, Auditors Responsibility in Security Audits, Types Of Security Audits.	8