

Curriculum Details - CS (DATA SECURITY)

Semesters	Slots	Courses	Tutorial Hours	Lecture Hours	Practical Hours	Total Hours	Credits	
S1	A	NUMBER THEORY AND CODING THEORY	0	4	0	4	4.00	
	B	CRYPTOGRAPHY AND NETWORK SECURITY	0	4	0	4	4.00	
	C	ADVANCED COMPUTER NETWORKS	0	4	0	4	4.00	
	D	DESIGN AND ANALYSIS OF ALGORITHMS	0	3	0	3	3.00	
	E		OPERATING SYSTEM SECURITY	0	3	0	3	3.00
			IT SECURITY METRICS	0	3	0	3	3.00
			AD HOC AND SENSOR NETWORKS	0	3	0	3	3.00
		DISTRIBUTED AND CLOUD COMPUTING	0	3	0	3	3.00	
	F	RESEARCH METHODOLOGY	2	0	0	2	2.00	
	S	SEMINAR	0	0	2	2	2.00	
U	ADVANCED NETWORKING LAB	0	0	2	2	1.00		
S2	A	MATHEMATICAL FOUNDATIONS OF SECURITY	0	4	0	4	4.00	
	B	APPLIED CRYPTOGRAPHY	0	3	0	3	3.00	
	C	INFORMATION SECURITY	0	3	0	3	3.00	
	D		MOBILE AND WIRELESS SECURITY	0	3	0	3	3.00
			DATABASE SECURITY	0	3	0	3	3.00
	SECURE SOFTWARE	0	3	0	3	3.00		

		ENGINEERING					
		DIGITAL IMAGE PROCESSING	0	3	0	3	3.00
		DISTRIBUTED SYSTEMS & SECURITY	0	3	0	3	3.00
	E	DATA MINING	0	3	0	3	3.00
		STEGANOGRAPHY AND DIGITAL WATERMARKING	0	3	0	3	3.00
		DATA COMPRESSION	0	3	0	3	3.00
	F	MINI PROJECT	0	0	4	4	2.00
	U	INFORMATION SECURITY LAB	0	0	2	2	1.00
S3		ETHICAL HACKING	0	3	0	3	3.00
	A	CYBER FORENSICS	0	3	0	3	3.00
		WEB SECURITY	0	3	0	3	3.00
		INTERNET INFORMATION & APPLICATION SECURITY	0	3	0	3	3.00
		BIOMETRIC SECURITY	0	3	0	3	3.00
	B	CYBER LAWS, ETHICS AND SECURITY POLICIES	0	3	0	3	3.00
		STORAGE MANAGEMENT AND SECURITY	0	3	0	3	3.00
		MULTIMEDIA SECURITY	0	3	0	3	3.00
	F1	PROJECT PHASE I	0	0	12	12	6.00
	S	SEMINAR	0	0	2	2	2.00
S4	F2	Project(Phase II)	0	0	21	21	12.00