

Dicipline:	CSE	Semester: 6 <sup>th</sup>	Name of the Teaching Faculty: Prakash Ku. Dehung	
Subject:	CNS	No of Days/Week Class Allotted: 4	Semester From date: 13.2.23 To date: 23.5.23	No. of Weeks: 12
WEEK	Class Day	Theory Topics		
1	1st	The need for Security		
	2nd	Security approach		
	3rd	Principle of Security		
	4th	Types of attacks		
	5th			
2	1st	Introduction of Attacks		
	2nd	Introduction of Cryptography		
	3rd	Substitution techniques		
	4th	Plain Text		
	5th			
3	1st	Cipher Text		
	2nd	Transposition Techniques		
	3rd	Encryption		
	4th	Decryption		
	5th			

WEEK	Class Day	Theory Topics
4	1st	Symmetric
	2nd	Asymmetric key cryptography
	3rd	Introduction of symmetric and asymmetric
	4th	symmetric key algorithm types
	5th	
5	1st	Overview of symmetric key cryptography.
	2nd	Data encryption standards
	3rd	overview of Asymmetric key cryptography.
	4th	Data encryption standards
	5th	
6	1st	Overview of Asymmetric key cryptography
	2nd	Introduction of overview
	3rd	Types of Data encryption standards
	4th	Digital signature
	5th	

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WEEK	Class Day	Theory Topics		
7	1st	Introduction of private key management		
	2nd	PKIX model		
	3rd	Types of model		
	4th	public key cryptography standards.		
	5th			
8	1st	Introduction of PKIX model		
	2nd	meaning of public key cryptography standards.		
	3rd	Introduction of internet security protocols		
	4th	Basic concept		
	5th			
9	1st	Secure socket Layer		
	2nd	Basic concept of secure socket Layer		
	3rd	Transport layer security		
	4th	Secure Hypertext transfer protocol (SHTTP)		
	5th			

WEEK	Class Day	Theory Topics
10	1st	Secure electronic transfer (SET)
	2nd	Authentication Basics
	3rd	password
	4th	Authentication Tokens
	5th	
11	1st	Biometric authentication
	2nd	Introduction of Network Security and <del>PKT</del> VPN.
	3rd	Brief introduction w/o TCP/IP.
	4th	Firewall
	5th	
12	1st	IP Security
	2nd	Introduction of IP Security
	3rd	Virtual private Network (VPN)
	4th	
	5th	

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