

Class Day	Theory Topics
1st	The need for security
2nd	Security approach
3rd	Principles of security
4th	Types of attacks
5th	
1st	Introduction of attacks
2nd	Introduction of cryptography
3rd	Substitution techniques
4th	Plain text
5th	
1st	Cipher text
2nd	Transposition techniques
3rd	Encryption
4th	Decryption
5th	

Class Day	Theory Topics
1st	Secure Hypertext transfer protocol (SHTTP)
2nd	Secure electronic transaction (SET)
3rd	Authentication basics
4th	password
5th	
1st	Authentication Tokens
2nd	Biometric authentication
3rd	Introduction of Network Security and VPN
4th	Brief introduction of TCP/IP
5th	
1st	Firewall
2nd	IP security
3rd	Introduction of IP security
4th	Virtual private Network (VPN)
5th	

Class Day	Theory Topics
1st	Types of Model
2nd	Public key cryptography standards
3rd	Introduction of PKIX Model
4th	Meaning of public key cryptography standards.
5th	
1st	Introduction of internet security protocols
2nd	Basic concept
3rd	Secure Socket Layer
4th	Basic concept of Secure Socket Layer
5th	
1st	Transport Layer Security
2nd	Introduction of Transport Layer Security.
3rd	Time stamping protocol (SHTTP) Isp
4th	Meaning of SHTTP Isp
5th	

Class Day	Theory Topics
1st	Introduction of overview key cryptography.
2nd	Types of symmetric and Asymmetric key algorithm.
3rd	Introduction of overview
4th	Types of data encryption Standards.
5th	
1st	differences bet ⁿ symmetric & Asymmetric
2nd	Digital signature
3rd	Introduction of digital certificate
4th	Digital certificate
5th	
1st	Introduction of public key infrastructure.
2nd	private key management
3rd	Introduction of private key management.
4th	PKIX Model
5th	

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