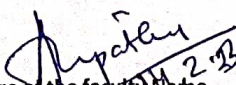


Academic Lesson Plan of Summer 2023

Department : Information Technology	Semester : 6th	Name of the teaching faculty: Archana Tripathy
Subject: Cryptography & Network Security	No.of days/per week class allotted . 5p/week.	Semester from : 14th Feb 2023 to 23rd May 2023
		No. of weeks:15 weeks
		Topics to be covered:
Feb 3rd week	1 st	The need for security
	2 nd	Security approach
	3 rd	Principles of security
Feb 4th week	1 st	Types of attacks
	2 nd	Revision
	3 rd	Cryptography concepts ,Plain text & Cipher Text
	4 th	Substitution techniques
Feb 5th week	1 st	Transposition techniques
	2 nd	Encryption & Decryption
March 1st week	1 st	Symmetric & Asymmetric key cryptography
	2 nd	Revision
March 2nd week	1 st	Symmetric key algorithm types
	2 nd	Overview of Symmetric key cryptography
March 3rd week	1 st	Data encryption standards
	2 nd	Continue
	3 rd	The RSA algorithm
	4 th	Symmetric & Asymmetric key cryptography
March 4th week	1 st	Continue
	2 nd	Digital signature
	3 rd	continue
	4 th	Revision
March 5th week	1 st	Digital certificates
	2 nd	Continue
	3 rd	PKIX Model,Private key management
April 2nd week	1 st	Public key cryptography standards
	2 nd	Revision
April 3rd week	1 st	Basic concept,Secure socket layer
	2 nd	Transport layer security, Secure Hyper text transfer protocol(SHHTTP)
April 4th week	1 st	Time stamping protocol (TSP),Secure electronic transaction (SET)
	2 nd	Continue
	3 rd	Authentication basics
	4 th	Password ,Authentication Tokens
May 1st week	1 st	Continue
	2 nd	Certificate based authentication
	3 rd	Continue
May 2nd week	1 st	Biometric authentication
	2 nd	Revision
	3 rd	Brief introduction of TCP/IP
	4 th	Firewall
May 3rd week	1 st	continue,IP Security
	2 nd	IP Security
	3 rd	Virtual Private Network (VPN)
May 4th week	1 st	Revision & Semester Question Answer Discussion
	2 nd	Revision & Semester Question Answer Discussion


 Signature of the faculty Name