



SWAMI VIVEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY

LESSON PLAN (SUMMER 2023)

Discipline- Computer Science & Engineering	Semester-6th	Faculty Name- Krupamayee Mahapatra
Subject- Cryptography & Network Security	No of days/ per week class allotted-4	Semester from date- 14/02/2023 to 23/05/2023 No of weeks-17
Week	Class day	Theory Topics
FEB 3RD	14.02.2023	The need for security&Security approach
	15.02.2023	Principles of security
	16.02.2023	Types of security
FEB 4TH	20.02.2023	Doubt clearing
	21.02.2023	Cryptography Concepts
	22.02.2023	Plain text & Cipher Text
	23.02.2023	Substitution techniques
FEB 5TH	27.02.2023	Doubt clearing
MAR 1ST	01.03.2023	Class test
	02.03.2023	Symmetric & Asymmetric key algorithms
MAR 2ND	06.03.2022	Symmetric key algorithm types
	07.03.2023	Overview of Symmetric key cryptography
	08.03.2023	Data encryption standards
	09.03.2023	Over view of Asymmetric key cryptography
MAR 3RD	13.03.2023	The RSA algorithm
	14.03.2023	Symmetric key cryptography
	15.03.2023	Asymmetric key cryptography
	16.03.2023	Digital signature
MAR 4TH	20.03.2023	Doubt clearing
	21.03.2023	Digital certificate & Public key infrastructure
	22.03.2023	Digital certificates
	23.03.2023	Private key management
MAR 5TH	27.03.2023	PKIX Model
	28.03.2023	Public key cryptography standards
APRIL 1ST	03.04.2023	Basic concept & Internet security protocols
	04.04.2023	Secure socket layer
	05.04.2023	Secure socket layer
	06.04.2023	Transport layer security
APRIL 2ND	10.04.2023	Transport layer security
	11.04.2023	Secure Hyper text transfer protocol(SHHTTP)
	12.04.2023	Time stamping protocol (TSP)
	14.04.2023	Time stamping protocol (TSP)
APRIL 3RD	17.04.2023	Secure electronic transaction (SET)
	18.04.2023	Secure electronic transaction (SET)
	19.04.2023	Doubt clearing
	20.04.2023	User authentication
APRIL 4TH	24.04.2023	Authentication basics
	25.04.2023	Password
	26.04.2023	Authentication Tokens
	27.04.2023	Authentication Tokens

MAY 1ST	01.05.2023	
	02.05.2023	Certificate based authentication
	03.05.2023	Certificate based authentication
MAY 2ND	04.05.2023	Blometric authentication
	08.05.2023	Doubt clearing
	09.05.2023	Class test
	10.05.2023	Network Security & VPN
	11.05.2023	Brief Introduction of TCP/IP
MAY 3RD	15.05.2023	Firewall
	16.05.2023	IP Security
	17.05.2023	Virtual Private Network (VPN)
	18.05.2023	Virtual Private Network (VPN)
MAY 4TH	19.05.2023	Doubt clearing
	22.05.2023	Assignment
	23.05.2023	Assignment
	23.05.2023	Assignment

Total no. of Classes: 60
 No. of Theory Classes: 43
 No. of Tutorial Classes: 5
 No. of Digital Classes: 5
 No. of PPT Classes: 7



HOD

H.O.D

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