



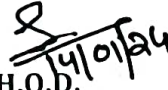
# SWAMI VIVEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY

## LESSION PLAN (SUMMER 2024)

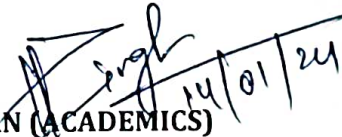
<b>Discipline- Computer Science &amp; Engineering</b>	<b>Semester-6th</b>	<b>Faculty Name- Mitali Madhusmita Pradhan</b>
<b>Subject- Cryptography &amp; Network Security</b>	<b>No of days/ per week class allotted- 4</b>	<b>Semester from date- 16.01.2024 to 26.04.2024 No of weeks-17</b>
<b>Week</b>	<b>Class day</b>	<b>Theory Topics</b>
<b>JAN 3RD</b>	16.01.2024	The need for security&Security approach
	18.01.2024	Principles of security
	19.01.2024	Types of security
<b>JAN 4TH</b>	22.01.2024	Doubt clearing
	23.01.2024	Cryptography Concepts
	25.01.2024	Plain text & Cipher Text
<b>JAN 5TH</b>	27.01.2014	Substitution techniques
	29.01.2024	Doubt clearing
	28.02.2023	Transposition techniques
	29.03.2022	Encryption & Decryption
<b>FEB 1ST</b>	30.03.2022	Symmetric & Asymmetric key cryptography
	30.01.2024	Substitution techniques
	01.02.2024	Class test
<b>FEB 2ND</b>	02.02.2024	Symmetric & Asymmetric key algorithms
	03.02.2024	Symmetric & Asymmetric key algorithms
	05.02.2024	Symmetric key algorithm types
<b>FEB 3RD</b>	06.02.2024	Overview of Symmetric key cryptography
	08.02.2024	Data encryption standards
	09.02.2024	Over view of Asymmetric key cryptography
<b>FEB 4TH</b>	12.02.2024	The RSA algorithm
	13.02.2024	Symmetric key cryptography
	15.02.2024	Asymmetric key cryptography
	16.02.2024	Digital signature
<b>FEB 5TH</b>	19.02.2024	Doubt clearing
	20.02.2024	Digital certificate & Public key infrastructure
	22.02.2024	Digital certificates
<b>MAR 1ST</b>	23.02.2024	Private key management
	26.02.2024	Private key management
	27.02.2024	PKIX Model
	28.02.2024	Public key cryptography standards
<b>MAR 2ND</b>	29.03.2024	Public key cryptography standards
	29.03.2023	Doubt clearing
	01.03.2024	Basic concept & Internet security protocols
<b>MAR 3RD</b>	02.03.2024	Basic concept & Internet security protocols
	04.03.2024	Secure socket layer
	05.03.2024	Secure socket layer
	06.03.2024	Transport layer security
<b>MAR 4TH</b>	07.03.2024	Transport layer security
	11.03.2024	Secure Hyper text transfer protocol(SHHTTP)
	12.03.2024	Secure Hyper text transfer protocol(SHHTTP)
	14.03.2024	Time stamping protocol (TSP)
<b>MAR 5TH</b>	15.03.2024	Time stamping protocol (TSP)
	18.03.2024	Secure electronic transaction (SET)
	19.03.2024	Secure electronic transaction (SET)
	21.03.2024	Doubt clearing
<b>MAR 6TH</b>	22.03.2024	User authentication

MAR 5TH	26.03.2024	Authentication basics
	28.03.2024	Password
	29.03.2024	Authentication Tokens
	30.03.2024	Authentication Tokens
APR 1ST	01.04.2024	Certificate based authentication
	02.04.2024	Certificate based authentication
	04.04.2024	Biometric authentication
	05.04.2024	Doubt clearing
APR 2ND	08.04.2024	Class test
	09.04.2024	Network Security & VPN
	11.04.2023	Brief introduction of TCP/IP
	12.04.2024	Firewall
APR 3RD	15.04.2024	IP Security
	16.04.2024	Virtual Private Network (VPN)
	18.04.2024	Virtual Private Network (VPN)
	19.04.2024	Doubt clearing
APR 4TH	22.04.2024	Assignment
	25.04.2024	Assignment
	26.04.2024	Assignment

Total no. of Classes: 60  
 No. of Theory Classes: 45  
 No. of Tutorial Classes: 5  
 No. of Digital Classes: 5  
 No. of PPT Classes: 5

  
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Computer Science & Engineering  
 S.V.S.E.T., Madanpur

  
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