

PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

PANIPAT

DEPARTMENT OF B.TECH CSE(CYBER SECURITY)

LESSON PLAN

Subject: CS		Subject Code: PE-CS-CYS-425A			
Semester: 7th					
S No.	Lecture No.	Topics To Be Covered	Mode of Teaching	Planned Date	Covered Date
1	L 1	AWS Key Management Best Practices	Smart board	17.10.2023	18.10.2023
2	L 2	AWS Key Management Best Practices	Smart board	17.10.2023	18.10.2023
3	L 3	A Deep Dive into AWS Encryption Services	white board , ppt	18.10.2023	19.10.2023
4	L 4	Security at Scale	white board , ppt	19.10.2023	20.10.2023
5	L 5	Logging in AWS, AWS	Smart board	19.10.2023	20.10.2023
6	L 6	Logging in AWS, AWS	Discussion	20.10.2023	25.10.2023
7	L 7	WAF, AWS Security Incident Response	white board , ppt	25.10.2023	26.10.2023
8	L 8	Common attacks on cloud infrastructure	Smart board	26.10.2023	27.10.2023
9	L 9	Unauthorized Access,XSS	white board , ppt	27.10.2023	30.10.2023
10	L 10	SQL Injecton	white board , ppt	30.10.2023	31.10.2023
11	L 11	Misconfigurati on, DOS-DDOS	white board , ppt	31.10.2023	02.11.2023
12	L 12	Misconfigurati on, DOS-DDOS	Discussion	31.10.2023	02.11.2023
13	L 13	Data Loss/Leakage	white board , ppt	02.11.2023	03.11.2023
14	L 14	Data Privacy/ Confidentiality	white board , ppt	03.11.2023	06.11.2023

15	L 15	Incident Response	Smart Class Room	06.11.2023	16.11.2023
16	L 16	Counter measure to protect cloud infrastructure	white board , ppt	16.11.2023	17.11.2023
17	L 17	Data Protection for Cloud Infrastructure and Services	white board , ppt	17.11.2023	20.11.2023
18	L 18	Data Protection for Cloud Infrastructure and Services	white board , ppt	20.11.2023	21.11.2023
19	L 19	Understand the cloud based information life cycle	Smart board	21.11.2023	23.11.2023
20	L 20	Data protection for Confidentiality and Integrity	white board , ppt	23.11.2023	24.11.2023
21	L 21	Data protection laws of India	white board , ppt	23.11.2023	24.11.2023
22	L 22	Common attack vectors and threats	white board , ppt	24.11.2023	27.11.2023
23	L 23	Data Protection Strategies.	white board , ppt	27.11.2023	28.11.2023
24	L 24	Monitoring	white board , ppt	28.11.2023	29.11.2023
25	L 25	Auditing and Management	white board , ppt	29.11.2023	30.11.2023
26	L 26	Proactive activity monitoring	white board , ppt	29.11.2023	30.11.2023
27	L 27	Incident Response	white board , ppt	30.11.2023	01.12.2023
28	L 28	Monitoring for unauthorized access	white board , ppt	01.12.2023	06.12.2023
29	L 29	Malicious traffic	white board , ppt	01.12.2023	06.12.2023
30	L 30	Malicious traffic	white board , ppt	06.12.2023	07.12.2023

31	L31	Abuse of system privileges	white board , ppt	07.12.2023	09.12.2023
32	L 32	Intrusion detection	white board , ppt	07.12.2023	09.12.2023
33	L 33	Intrusion detection	white board , ppt	09.12.2023	10.12.2023
34	L 34	Events and alerts	white board , ppt	09.12.2023	10.12.2023
35	L 35	Events and alerts	white board , ppt	09.12.2023	10.12.2023

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LESSON PLAN

Subject: EH		Subject Code OE-CS-CYS 403			
Semester: 7th					
S No.	Lecture No.	Topics To Be Covered	Mode of Teaching	Planned Date	Covered Date
1	L 1	Ethical Hacking; Introduction	White Board+ PPT	25.08.2023	28.08.2023
2	L 2	Networking and Basics	White Board+ PPT	28.08.2023	04.09.2023
3	L 3	Foot Printing, Google Hacking, Scanning	White Board+ PPT	04.09.2023	06.09.2023
4	L 4	Windows Hacking, Linux Hacking	Smart Board	06.09.2023	11.09.2023
5	L 5	Understanding of Trojan and Backdoors, Introduction of Virus and Worms	Smart Board	06.09.2023	11.09.2023
6	L 6	Doubt Session	Group Discussion	11.09.2023	13.09.2023
7	L 7	Security Operations Center(SOC)	White Board+ PPT	11.09.2023	13.09.2023
8	L 8	SOC Framework, SOC Tools	White Board+ PPT	13.09.2023	14.09.2023
9	L 9	SOC Tools	Smart Board	14.09.2023	20.09.2023
10	L10	QRadar, Incident Detection and Investigation with QRadar	White Board+ PPT	20.09.2023	21.09.2023
11	L11	Doubt Session	Smart Board	21.09.2023	27.09.2023
12	L 12	Incident Responder Process	White Board+ PPT	21.09.2023	27.09.2023
13	L 13	Wifi Hacking, Firewall and honeypots	White Board+ PPT	27.09.2023	09.10.2023

14	L 14	Snort Introduction, Implementation	White Board+ PPT	09.10.2023	11.10.2023
15	L 15	Penetration testing, Hacking Web server	Smart Board	11.10.2023	16.10.2023
16	L 16	SQL Injection, Exploit writing in Python	Smart Board	16.10.2023	18.10.2023
17	L 17	Format string	White Board+ PPT	18.10.2023	19.10.2023
18	L 18	Reverse Engineering, Email Hacking	White Board+ PPT	18.10.2023	19.10.2023
19	L 19	Doubts session	White Board+ PPT	19.10.2023	23.10.2023
20	L 20	Mobile Phone Hacking	Smart Board	23.10.2023	25.10.2023
21	L 21	Incident Handling and Response , Bluetooth Hacking	Smart Board	25.10.2023	26.10.2023
22	L 22	Basic ethical hacking tools and usage of tools in professional environment	Group Discussion	26.10.2023	30.10.2023
23	L23	Basic ethical hacking tools and usage of tools in professional environment	Group Discussion	26.10.2023	30.10.2023
24	L 24	Revision Test	White Board+ PPT	30.10.2023	02.11.2023
25	L 25	Legal professional and ethical issues likely to face the domain of ethical hacking	White Board+ PPT	02.11.2023	16.11.2023

26	L 26	Legal professional and ethical issues likely to face the domain of ethical hacking	White Board+ PPT	16.11.2023	20.11.2023
27	L 27	Assignment Discussed	White Board+ PPT	16.11.2023	20.11.2023
28	L 28	ethical issues in hacking	White Board+ PPT	20.11.2023	23.11.2023
29	L 29	Basic ethical hacking tools	White Board+ PPT	23.11.2023	27.11.2023
30	L 30	Basic ethical hacking tools	White Board+ PPT	27.11.2023	29.11.2023
31	L 31	Ethical responsibilities	White Board+ PPT	29.11.2023	30.11.2023
32	L 32	Ethical responsibilities	White Board+ PPT	30.11.2023	01.12.2023
33	L 33	Professional integrity and making appropriate use of tools and techniques associated with ethical hacking	White Board+ PPT	30.11.2023	01.12.2023
34	L 34	Professional integrity and making appropriate use of tools and techniques associated with ethical hacking	White Board+ PPT	01.12.2023	02.12.2023
35	L 35	Professional integrity and making appropriate use of tools and techniques associated with ethical hacking	White Board+ PPT	02.12.2023	06.12.2023

36	L 36	Professional integrity and making appropriate use of tools and techniques associated with ethical hacking	White Board+ PPT	02.12.2023	06.12.2023
37	L 37	Doubt Session	Group Discussion	06.12.2023	07.12.2023
38	L 38	Doubt Session	Group Discussion	07.12.2023	12.12.2023

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LESSON PLAN

Subject: ICL		Subject Code : PE-CS—CYS-415A			
Semester: 7th					
S No.	Lecture No.	Topics To Be Covered	Mode of Teaching	Planned Date	Covered Date
1	L 1	Cyber Crimes Categories and kinds	WhiteBoard, PPT	05.09.2023	06.09.2023
2	L 2	Cyber Crimes Categories and kinds	WhiteBoard, PPT	05.09.2023	06.09.2023
3	L 3	evolution of the IT	WhiteBoard, PPT	06.09.2023	12.09.2023
4	L 4	Act, IT Act, 2000	Smart Board	06.09.2023	12.09.2023
5	L 5	various authorities under IT Act and their powers	Smart Board	12.09.2023	13.09.2023
6	L 6	Penalties & Offences, amendments	Smart Board	13.09.2023	19.09.2023
7	L 7	Jurisdiction and Ecommerce	Smart Board	19.09.2023	20.09.2023
8	L 8	Ecommerce	Smart Board	19.09.2023	20.09.2023
9	L 9	Case Lawson Cyber Space	Smart Board	20.09.2023	26.09.2023
10	L 10	Jurisdiction	Group discussion	26.09.2023	27.09.2023
11	L 11	Jurisdiction and Jurisdiction issues under IT Act	Group discussion	26.09.2023	27.09.2023
12	L 12	E-commerce and Laws in India,	Smart Board	27.09.2023	30.09.2023
13	L 13	Digital/Electronic	Smart Board	30.09.2023	10.10.2023
14	L 14	Signature in Indian Laws.	WhiteBoard, PPT	30.09.2023	10.10.2023
15	L 15	Intellectual rights	WhiteBoard, PPT	10.10.2023	11.10.2023
16	L 16	: Intellectual Property Rights	Smart Board	11.10.2023	17.10.2023

17	L 17	Domain Names and Trademark Disputes	Smart Board	17.10.2023	18.10.2023
18	L 18	Copy right in Computer Program	Smart Board	18.10.2023	20.10.2023
19	L 19	Copy right in Computer Program	Smart Board	18.10.2023	20.10.2023
20	L 20	Concept of Patent Right	Group discussion	20.10.2023	25.10.2023
21	L 21	Sensitive Personal Data or Information in	Group discussion	25.10.2023	27.10.2023
22	L 22	Cyber Law, Cyber Law and	Smart Board	27.10.2023	31.10.2023
23	L 23	Cyber Ethics	Smart Board	31.10.2023	17.11.2023
24	L 24	Cyber Ethics and Code	Group discussion	17.11.2023	21.11.2023
25	L 25	NetNeutrality	Group discussion	17.11.2023	21.11.2023
26	L 26	Freespeech and Censorship in Cyberspace	WhiteBoard, PPT	21.11.2023	24.11.2023
27	L 27	Freespeech and Censorship in Cyberspace	Smart Board	21.11.2023	24.11.2023
28	L 28	Intellectual Property in Cyberspace	Smart Board	24.11.2023	24.11.2023
29	L 29	Class Test	WhiteBoard, PPT	24.11.2023	28.11.2023
30	L 30	copyrights	Smart Board	24.11.2023	28.11.2023
31	L31	Domain Names	Smart Board	28.11.2023	30.11.2023
32	L 32	International IPerspective.	Smart Board	30.11.2023	04.12.2023
33	L 33	copyrights .Domain Names	Smart Board	04.12.2023	05.12.2023
34	L 34	Class Test	WhiteBoard, PPT	05.12.2023	11.12.2023
35	L 35	Privacy Rights and Surveillance.	Smart Board	11.12.2023	13.12.2023

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LESSON PLAN

Subject: OWASP Framework		Subject Code PC-CS-CYS-401A			
Semester:7th					
S No.	Lecture No.	Topics To Be Covered	Mode of Teaching	Planned Date	Covered Date
1	L1	Getting Started with OWASP	Smart Board	22.08.2023	28.08.2023
2	L2	Application Security Risks	Smart Board	28.08.2023	04.09.2023
3	L3	OWASP Top 10 Application Security Risk	Smart Board	04.09.2023	11.09.2023
4	L4	Introduction to Web Application Security	Smart Board	11.09.2023	12.09.2023
5	L5	OWASP A02:2021 Cryptographic failures	PPT	12.09.2023	13.09.2023
6	L6	OWASP A04:2021—Insecure Design	PPT	13.09.2023	14.09.2023
7	L7	User Authentication (OWASP A07:2021—Identification and Authentication Failures	PPT	14.09.2023	18.09.2023
8	L8	OWASP A03:2021—Injection	PPT	14.09.2023	18.09.2023
9	L9	Function and Data Access Control (OWASP A01:2021—Broken Access Control	PPT	18.09.2023	19.09.2023

10	L10	IDOR (Broken Access Control)	PPT	19.09.2023	25.09.2023
11	L11	SQL Injection (OWASP A03:2021—Injection)	PPT	25.09.2023	27.09.2023
12	L12	Types of SQL Injection	PPT	27.09.2023	09.10.2023
13	L13	Cross-Site Scripting (XSS)	PPT	27.09.2023	09.10.2023
14	L14	Types of Cross-Site Scripting (XSS)	PPT	09.10.2023	11.10.2023
15	L15	Revision & Doubt Session	Smart Board	11.10.2023	16.10.2023
16	L16	Class Test-I	Smart Board	16.10.2023	17.10.2023
17	L17	Discussion on solution of Class Test-I	Smart Board	17.10.2023	23.10.2023
18	L18	OWASP A08:2021—Software and Data Integrity Failures	PPT	17.10.2023	23.10.2023
19	L19	Handling Data from an Untrusted Source	PPT	23.10.2023	26.10.2023
20	L20	OWASP A09:2021—Security Logging and Monitoring Failures	PPT	26.10.2023	31.10.2023
21	L21	A10:2021—Server-Side Request Forgery	PPT	31.10.2023	21.11.2023
22	L22	Common SSRF Attacks	PPT	31.10.2023	21.11.2023
23	L23	Revision & Doubt Session	Smart Board	21.11.2023	23.11.2023
24	L24	Class Test-II	Smart Board	23.11.2023	27.11.2023
25	L25	Discussion on solution of Class Test-II	Smart Board	27.11.2023	28.11.2023

26	L26	Processing of Composite Data	PPT	27.11.2023	28.11.2023
27	L27	OWASP A08:2021—Software and Data Integrity Failures	PPT	28.11.2023	29.11.2023
28	L28	Quality of service: techniques to improve QoS	PPT	29.11.2023	30.11.2023
29	L29	Configuration Errors	PPT	30.11.2023	01.12.2023
30	L30	OWASP A05:2021—Security Misconfiguration	PPT	30.11.2023	01.12.2023
31	L31	A06:2021—Vulnerable and Outdated Components	PPT	01.12.2023	06.12.2023
32	L32	Miscellaneous topics: Cross Site Request Forgery (CSRF)	PPT	06.12.2023	08.12.2023
33	L33	JWT security	PPT	08.12.2023	11.12.2023
34	L34	Session hijacking	PPT	11.12.2023	12.12.2023
35	L35	Local File Inclusion (LFI)	PPT	12.12.2023	13.12.2023
36	L36	Remote File Inclusion (RFI).	PPT	12.12.2023	13.12.2023

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LESSON PLAN

Subject: UHV	Subject Code: HSS-403 A				
Semester: 7th					
S No.	Lecture No.	Topics To Be Covered	Mode of Teaching	Planned Date	Covered Date
1	L 1	Self-Exploration–what is it?	White Board	28.08.2023	31.08.2023
2	L 2	Self-Exploration–what is it?	White Board	28.08.2023	31.08.2023
3	L 3	Right understanding, Relationship and Physical Facility	Smart Board	31.08.2023	04.09.2023
4	L 4	Understanding Happiness and Prosperity correctly	White Board	04.09.2023	06.09.2023
5	L 5	Method to fulfil the above human aspirations	Smart Board	04.09.2023	06.09.2023
6	L 6	Continuous Happiness and Prosperity	White Board	06.09.2023	11.09.2023
7	L 7	Understanding human being as coexistence of the sentient 'I' and the material 'Body'	Group Discussion	06.09.2023	11.09.2023
8	L 8	Understanding the needs of Self('I') and 'Body'-happiness and physical facility	Group Discussion	11.09.2023	13.09.2023

9	L 9	Understanding the characteristics and activities of 'I' and harmony in 'I'	White Board	13.09.2023	14.09.2023
10	L10	Understanding the characteristics and activities of 'I' and harmony in 'I'	White Board	14.09.2023	18.09.2023
11	L11	Understanding the harmony of I with the body	Group Discussion	18.09.2023	20.09.2023
12	L 12	Programs to ensure Sanyam and Health	White Board	20.09.2023	21.09.2023
13	L 13	Programs to ensure Sanyam and Health	White Board	20.09.2023	21.09.2023
14	L 14	Revision	Group Discussion	21.09.2023	25.09.2023
15	L 15	Understanding values in human-human relationship	PPT	25.09.2023	04.10.2023
16	L 16	Meaning of Justice (nine universal values in relationships)	Group Discussion	04.10.2023	05.10.2023
17	L 17	program for its fulfillment to ensure mutual happiness	Group Discussion	04.10.2023	05.10.2023
18	L 18	Trust and Respect as the foundation values of relationship	Group Discussion	05.10.2023	09.10.2023
19	L 19	Understanding the meaning of Trust	PPT	09.10.2023	11.10.2023
20	L 20	Understanding the meaning of Respect	Group Discussion	09.10.2023	11.10.2023

21	L 21	Difference between respect and differentiation; the other salient values in relationship	Group Discussion	11.10.2023	12.10.2023
22	L 22	Visualizing a universal harmonious order in society- Undivided Society,	White Board	12.10.2023	16.10.2023
23	L23	Universal Order-from family to world family.	Group Discussion	16.10.2023	18.10.2023
24	L 24	Universal Order-from family to world family.	PPT	16.10.2023	18.10.2023
25	L 25	Test	Group Discussion	18.10.2023	18.10.2023
26	L 26	Inter connectedness and mutual fulfillment among the four orders of nature	White Board	18.10.2023	19.10.2023
27	L 27	Inter connectedness and mutual fulfillment among the four orders of nature	White Board	19.10.2023	23.10.2023
28	L 28	Revision	White Board	19.10.2023	23.10.2023
29	L 29	recyclability and self-regulation in nature	White Board	23.10.2023	25.10.2023
30	L 30	Understanding Existenceas Co- existence of mutually interacting unit	Group Discussion	23.10.2023	25.10.2023

31	L 31	Understanding Existence as Co- existence of mutually interacting unit	White Board	25.10.2023	26.10.2023
32	L 32	Revision	White Board	26.10.2023	30.10.2023
33	L 33	Holistic perception of harmony at all levels of existence	Group Discussion	30.10.2023	02.11.2023
34	L 34	Holistic perception of harmony at all levels of existence	White Board	02.11.2023	03.11.2023
35	L 35	Holistic perception of harmony at all levels of existence	White Board	03.11.2023	16.11.2023
36	L 36	Implication of the above Holistic	White Board	16.11.2023	20.11.2023
37	L 37	Natural acceptance of human values	Group Discussion	20.11.2023	22.11.2023
38	L 38	Natural acceptance of human values	White Board	22.11.2023	23.11.2023
39	L 39	Definitiveness of Ethical Human Conduct	Group Discussion	23.11.2023	27.11.2023
40	L 40	Basis for Humanistic Education	White Board	27.11.2023	11.12.2023