

**PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**PANIPAT**  
**DEPARTMENT OF CYBER SECURITY**  
**LESSON PLAN**

Subject: Cyber Attacks- OWASP Framework  
Semester: 7th

Subject Code PC-CS-CYS-401A

<b>Lecture No</b>	<b>Topic</b>	<b>Mode of Delivery</b>
L1	Getting Started with OWASP	Class Room
L2	Application Security Risks	Smart Class Room
L3	OWASP Top 10 Application Security Risk	Class Room
L4	Introduction to Web Application Security	Class Room
L5	OWASP A02:2021 Cryptographic failures	Smart Class Room
L6	OWASP A04:2021— Insecure Design	Class Room
L7	User Authentication (OWASP A07:2021—Identification	Smart Class Room
L8	OWASP A03:2021— Injection	Class Room
L9	Function and Data Access Control (OWASP A01:2021	Class Room
L10	SQL Injection (OWASP A03:2021—Injection)	Class Room
L11	Cross-Site Scripting (XSS)	Class Room
L12	OWASP A08:2021—Software and Data Integrity Failures	Class Room
L13	Handling Data from an Untrusted Source	Class Room
L14	OWASP A09:2021—Security Logging and Monitoring Failures	Smart Class Room
L15	A10:2021—Server-Side Request Forgery	Class Room
L16	Processing of Composite Data	Smart Class Room
L17	OWASP A08:2021—Software and Data Integrity Failures	Class Room
L18	Quality of service: techniques to improve QoS	Smart Class Room
L19	Configuration Errors	Class Room
L20	OWASP A05:2021—Security Misconfiguration	Class Room
L21	A06:2021— Vulnerable and Outdated Components	Class Room
L22	Miscellaneous topics: Cross Site Request Forgery (CSRF)	Class Room
L23	JWT security	Class Room
L24	Session hijacking	Class Room
L25	Local File Inclusion (LFI), Remote File Inclusion (RFI).	Class Room

