गृह मंत्रालय
MINISTRY OF HOME AFFAIRS
सत्यमेव जयते

राष्ट्रीय न्यायालयिक विज्ञान विश्वविद्यालय
(राष्ट्रीय महत्त्व का संस्थान, गृह मंत्रालय, भारत सरकार)
National Forensic Sciences University
(An Institution of National Importance under Ministry of Home Affairs, Government of India)

NFSU
विद्या अमृतं अश्नुते

CTMSDFIS SII P2: Web Application Security

Teaching Scheme					Evaluation Scheme								
					Theory						Practical		
					Internal Exams				University Exams		University Exams (LPW)		
Th	Tu	Pr	C	TCH	TA-1/TA-2		MSE		Marks	Hrs	Marks	Hrs	Total
					Marks	Hrs	Marks	Hrs					
03	00	00	03	03	25	00:45	50	01:30	100	03:00	-	-	200

* Note: TA-2 will be in form of assignments or workshops.

Assignment Given Date – 17/10/2022

Assignment Submission Date – 07/11/2022

TA – 2 Assignment Question (25 Marks)

1. Write about HTTP vs HTTPS.
2. Explain about TCP Architecture and TCP Protocol.
3. Explain Encoding and types of Encoding.
4. Elaborate fingerprinting in web server.
5. Explain virtual Host and explain how to find the virtual host.
6. Explain google hacking and steps for google hacking.
7. What is subdomain enumeration?
8. Write up about enumerating resources.
9. Define following terminology.
   - CVE
   - CWE
   - CVSS
   - OWPAS
   - STRIDE
   - DREAD
10. Explain Vulnerability Assessment and Life cycle of VA.
11. Short note on Unknown Vulnerability with Examples.
12. What is false positive in Web application Security?

Gandhinagar Campus	**Delhi Campus**	**Goa Campus**	**Tripura Campus**
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13. Elaborate secure source code review process.
14. What is Vulnerability scanner?
15. What is web authentication Mechanism?
16. Explain Authentication and authorization bypass in detail.
17. What is burp sequencer?
18. How to analyzing website content.
19. Explain the term fuzzing with burp intruder.
20. Explain OWAPS top 10 attack with prevention mechanism.

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