

**PNS School Of Engg. & Tech. Marshaghai, Kendrapara**  
**LESSON PLAN**  
**Session (2024 -2025)**

<b>Discipline:</b> Computer Science & Engineering	<b>Semester</b>  4 <sup>th</sup>	<b>Name of the faculty :</b> Sushree Sangita Tripathy
<b>Subject:</b> Network Security Lab	<b>No. of Days/Week:</b> 02	<b>Start Date:</b> 04/02/2025 <b>End Date:</b> 17/05/2024
<b>Week</b>	<b>Class Day</b>	<b>Practical Topics</b>
1st	1st	Installation and comparison of various anti virus Software .
	2nd	Continue
2nd	1st	Installation and study of various parameters of Firewall
	2nd	Continue
3rd	1st	How Does Firewall Software Work?
	2nd	Importance of software firewalls in modern-day computing
4th	1st	Writing program in C to encrypt / decrypt using XOR Key
	2nd	Continue
5th	1st	Encryption & Decryption Method
	2nd	Key initialization
6th	1st	Study of VPN
	2nd	Continue
7th	1st	VPN Extension download
	2nd	Why choose Proton VPN?
8th	1st	Turbo VPN
	2st	VPN Tested
9th	1st	Study of various hacking Tools.
	2nd	Continue

10th	1st	What is Ethical Hacking?
	2nd	Practical applications of Digital Signature
11th	1st	Continue
	2nd	Review of Experiment 1 and 2
12th	1st	Review of Experiment 3 and 4
	2nd	Review of Experiment 5 and 6
		<i>Biswarajin Swain</i>
<b>SIGNATURE OF LECTURER</b>		<b>SIGNATURE OF H.O.D</b>