



Basics of Network Security Program Report (AY:2022-23)

Name of the program: “Basics of Network Security”

Day/Duration: 25.06.2023

Time: 11.00 Am to 4 Pm

No of participants: 50

Course Outcome:

Understanding Security Concepts:

- Students will be able to explain fundamental network security concepts, including threats, vulnerabilities, and the principles of securing network infrastructure.


Implementation of Security Measures:

- Learners will demonstrate the ability to implement basic network security measures and protocols, such as firewalls, encryption, and intrusion detection systems, to protect networked systems.

Topic Covered:

1. Introduction to Network Security
2. Types of Security Threats
3. Vulnerabilities and Risk Assessment
4. Network Security Principles
5. Firewalls and Filtering Techniques
6. Intrusion Detection and Prevention Systems (IDPS)
7. Encryption Techniques
8. Virtual Private Networks (VPNs)
9. Access Control Mechanisms
10. Security Policies and Best Practices
11. Incident Response and Management
12. Emerging Trends in Network Security




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CO PO MAPPING

COs	POs
CO1: Understanding Security Concepts	P1,P7,P8
CO2: Implementation of Security Measures	P1,P7,P8,P3

Assessment procedure: The assessment of this program was conducted using multiple choice questions.




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