SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING-IOT Including CS&BCT

COURSE NAME : 19SB402 NETWORKING AND CYBERSECURITY

II YEAR / IV SEMESTER

Unit IV- SECURITY ELEMENTS

Topic :Security certification

- Security certification is a process by which an organization or system undergoes an assessment to determine its compliance with specific security standards, guidelines, or frameworks.

- Certification provides an independent validation of the security controls and measures implemented within the system.

- Here are some common security certifications related to different security elements:

1.Network Security

- ISO/IEC 27001: This certification focuses on the information security management system (ISMS) and covers various aspects of network security.
- Cisco Certified Network Associate (CCNA) Security: This certification validates the skills and knowledge required to secure Cisco networks and infrastructure.

2.Application Security:

1. Certified Secure Software Lifecycle Professional (CSSLP): This certification emphasizes secure software development practices and covers areas such as secure coding, testing, and deployment.

2. Open Web Application Security Project (OWASP) Certification: This certification demonstrates expertise in web application security and familiarity with the OWASP Top 10 vulnerabilities.

3. Data Security:
    1. Certified Information Systems Security Professional (CISSP): This certification covers various domains of information security, including data security, access control, and cryptography.

    2. Payment Card Industry Data Security Standard (PCI DSS) Compliance: This certification ensures that organizations handling credit card data adhere to the security requirements defined by the PCI Security Standards Council.

4. Physical Security:

1. Physical Security Professional (PSP): This certification validates expertise in physical security measures, including access control, surveillance systems, and perimeter security.

2. Certified Protection Professional (CPP): This certification covers a broader range of security management topics, including physical security, personnel security, and risk assessment.

5.Security Operations:

1. Certified Information Systems Security Professional (CISSP): This certification includes security operations as one of its domains and covers areas such as incident response, disaster recovery, and security operations center (SOC) management.

2. Certified Information Security Manager (CISM): This certification focuses on information security management, including security operations and incident response.

6. Compliance and Legal Requirements:

1. ISO/IEC 27001: This certification addresses various compliance requirements and provides a comprehensive framework for managing information security.

2. Certified in Risk and Information Systems Control (CRISC): This certification focuses on managing IT and security risks, including compliance requirements.

Any Query????

Thank you……