



Information Technology

Vision: To Visualize the creation of skilled, proficient IT professionals to meet current challenges.

Mission:

- To encourage young minds for training & entrepreneurship.
- To convey standard education with rapidly changing environment with ethical values.
- To provide an environment where students can continuously learn, apply & communicate knowledge.

Name Of Program :- Diploma in Information Technology

Date :-

Course Title :- Information Security (314319)

Sem-IV (2025-26)

Course Outcome :- INS

Chapter Name :-Introduction to Information Security .

Assignment No:-1

Q.1 Explain the basic principles of information security.

Q.2 What is social engineering.

Q.3 Explain threats and attacks.

Q.4 Explain spoofing.

Q.5 Write short note on concept of roaming.

Q.6 What is mobility vulnerability,risk and asset.

Last Date of Submission :-

Course Co-ordinator :- Ms.Shubhangi Vanve (SYIF)



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Course Outcome :- INS

Chapter Name :- User Authentication and Access Control.

Assignment No:-2

Q.1 Explain the concept of biometrics.

Q.2 Explain token based authentication.

Q.3 Explain the role based access control.

Q.4 Describe the attribute based access control.

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Sem IV:- (202526)

Course Outcome :- INS

Chapter Name :- Fundamentals of Cryptography .

Assignment No:-3

Q.1 Explain symmetric and asymmetric cryptography.

Q.2 Explain steganography.

Q.3 Explain the rail fence technique.

Q.4 Explain Caesar cipher technique.

Q.5 Describe encryption and decryption.

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Sem:-IV (2025-26)

Course Outcome :- INS

Chapter Name :- Encryption Algorithms.

Assignment No:-4

Q.1 Explain the data encryption standard algorithm.

Q.2 Explain the RSA algorithm.

Q.3 Explain the digital signature.

Q.4 Explain threats to mobile phone and it's security measures.

Q.5 Explain man in middle attack.

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Sem:-IV

Date:- (2025--26)

Course Outcome :- INS

Chapter Name :- Internet security and cyber law.

Assignment No:-5

Q.1 Explain the concept of firewall.

Q.2 Explain email security.

Q.3 What is cyber crime.

Q.4 What is cyber laws.

Q.5 Explain cyber stalking or harassment.

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