

## CRYPTOGRAPHY & NETWORK SECURITY

**Paper Code: ETIT-455**

**Paper: Cryptography & Network Security**

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### **List of Experiments:**

1. Design a program for encryption and decryption using mono-alphabetic substitution or poly-alphabetic substitution
2. Write a program to implement DES and AES algorithm for Encryption and Decryption.
3. Study of Account and password management. PAM, password cracking.
4. To configure common services like IIS, Apache, Open SSH, WU-FTP.
5. Study of Security analysis tools: Nessus, Microsoft baseline security analyzer.
6. Study of Security configuration tools: Bastille, Microsoft IIS lockdown tool.
7. To identify organization's Firewall IP address.
8. To determine organization's Firewall Access Control.

**NOTE: At least 8 Experiments out of the list must be done in the semester.**