



VALUE ADDED COURSE ON “NETWORK AND SECURITY ADMINISTRATION “

Syllabus

- I. Introduction- Need for Security, Security Attacks, Model
- II. Symmetric Ciphers-Substitution & Transposition Techniques, Block Cipher, Stream Ciphers
- III. Public Key Cryptography- Need and Principles of Public Key Cryptosystems, RSA Algorithm
- IV. Authentication- Authentication Requirements, Message Authentication Codes, Hashes, User Authentication: Password, Certificate based & Biometric Authentication
- V. Network Security-Firewalls, IP Security, VPN, Intrusion Detection, Web Security, SSL, TLS

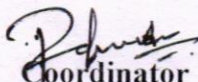
Assessment:

Students should obtain:

Min 80% of attendance

Min 80% Participation in practice session

Quiz


Coordinator


HOD

HOD
Dept of E&C
SIET, Tumkur-6


PRINCIPAL
SIET, TUMKUR.