Cryptography & Security

Cryptography is a key technology for achieving information security in communications, computer systems, electronic commerce, and in the emerging information society. Our country\'s vulnerability to cyber-crime is escalating as our economy and critical infrastructure become increasinglyreliant on interdependent computer networks and the internet.

Hence we feel that there is an urgent need for creating awareness among researchers, scientists, faculty and students about Information Security and Cryptography.

Topics to be Covered in Workshop

1. Introduction
2. Cryptography and Cryptanalysis
3. Communication and Network Security
4. Watermarking and Data Hiding
5. Key Management and Cryptographic Protocols
6. Block/Stream Cipher
7. Understanding Cipher used in World War I & II
8. Cloud Computing Security
9. Intrusion Avoidance and Detection
10. Computer Forensics
11. Digital Rights Management
12. Security of e-Commerce and e-Government
13. Database and Distributed System Security
14. Security in Pervasive/Ubiquitous Computing
15. Software Security and Malicious Codes
16. Access Control
17. Authentication and Authorization
18. Security Evaluations and Measurements
19. Trusted Computing

20. Hands On

Duration: The duration of this workshop will be two consecutive days, with eight hour session each day in a total of sixteen hours properly divided into theory and hands on sessions.

Fees: Rs. 1200/- per head inclusive of all taxes.