

## Regional Training Institute, Allahabad

Course No. 06/Lab-II/2019-20

Course on: "Principles of Networking, Internet and Network Security"

Level-II: For those who have basic knowledge of computers

Period & Duration: 02.09.2019 to 06.09.2019 (05 Working days)

Date	Session	Topics	Faculty S/Shri.
02.09.2019	I & II	Inauguration, Introduction and briefing	Ram Hit Principal Director/RTI
		Fundamentals of Networking, Difference between Single User and Multiuser systems, Requirement of Operating Systems, Different Network Models, Types of Networking, Networking Topologies, Transmission media and other Networking Components.	Nitin Singh Faculty/EDP
	III & IV	Configuring Networks, Different protocols used in Networking, Overview about IP Addresses, Creation of Workgroups, Granting Access, Sharing and various permissions.	Anjay Kumar Faculty / EDP
03.09.2019	I & II	Security Technologies: Firewall, Virtual Private Networks, Encryption Concepts, Intrusion Detection etc.	Chandan Kumar Guest Faculty NIMIT
	III & IV	Security concerns in networking: Virus threats, hacking etc., Information Security, Information Security Services, Information Security Process	Chandan Kumar Guest Faculty NIMIT
04.09.2019	I & II	Introduction to the Internet, Requirements for Internet Connections, Various types of Internet Access, Internet facilities: email, world wide web 'www', and Web Browsers connecting Internet.	Anjay Kumar Faculty / EDP
	III & IV	Introduction to Email, Creating Web based E-mail Accounts, Sending and receiving mails with some practice	Anjay Kumar Faculty / EDP
05.09.2019	I & II	Basic concepts of web designing and designing a website.	Anjay Kumar Faculty / EDP
	III & IV	Brief Overview about e-commerce, e- governance etc., hands on practice on Internet surfing	Anjay Kumar Faculty / EDP
06.09.2019	I	Assessment Test	Anjay Kumar Faculty / EDP
	II	IA&AD Security Policy	Bhagwati Saran Core Faculty/ EDP
	III	Code of Ethics in IA&AD	Bhagwati Saran Core Faculty/ EDP
	IV	Valediction	Ram Hit Principal Director/RTI

Note: - The assessment test will be a written objective examination comprises of questions discussed in the class.

### TIMING

**Lectures:**

Session I & II : 10:15 AM to 01:00 PM

Session III & IV : 02:15 PM to 05:00 PM

**Breaks:**

First Tea Break: 11:30 AM to 11:45 AM

Lunch Break: 01:00 PM to 02:15 PM

Second Tea Break: 03:30 PM to 03:45 PM

(PTO)

1. To evaluate the participants, one small evaluation test will be held on the dates and time mentioned in the program. Overall Assessment will be done on the basis of the Evaluation Tests as per grading code given below:

Assessment criteria

- Written Test : 50 marks
- Case Study & Practice session : 40 marks
- Punctuality, Discipline & Active Participation : 10 marks

Grading Code:

Persons scoring 90% and above would be awarded	<i>Grade 'A'</i>
Persons scoring 80% to 89% would be awarded	<i>Grade 'B'</i>
Persons scoring 70% to 79% would be awarded	<i>Grade 'C'</i>
Persons scoring 60 to 69% would be awarded	<i>Grade 'D'</i>
Persons scoring less than 60% would be awarded	<i>Grade 'E'</i>

2. RTI has its own library having books on various disciplines Participants can get books issued in their name but the books should be returned to library one day before the course ends. Participants staying in the hostel may also have the benefit of the indoor game facility and also recreational facility in the form of TV etc.

3. The trainees are also requested to bring to the notice their complaints/problems to the competent authority

Objective of the course: This course is intended to give awareness about the Networking concepts and its security along with operational knowledge of Internet, E-mail and a brief idea about web designing.