



TECNIA INSTITUTE OF ADVANCED STUDIES

Approved by AICTE, Ministry of HRD, Govt. of India Affiliated To Guru Gobind Singh Indraprastha University, Recognized by UGC under Sec 2(f)

INSTITUTIONAL AREA, MADHUBAN CHOWK, ROHINI, DELHI- 110085

E-Mail: director.tecniaindia@ gmail.com, directortias@tecnia.in, www.tecnia.in

Fax No: 27555120, Tel: 27555121-24



ISO 9001:2008

Event	: Workshop
Topic	: CCNA Workshop
Resource Person	: Mr.Abhishek Pandey, Corporate Trainer(CETPAINFOTECH),Noida
Schedule	: 1:30 AM to 4:30 PM
Date	: 09th April, 2015
Day	: Thursday
Venue	: MCA Lab (PG Block, First Floor)
Faculty Incharge	: Dr. Jitender Rai (Associate Professor), MCA Department
No of Students	: MCA-IV Semesters

Objectives:

1. To identify the components of a computer network and describe their basic characteristics.
2. To understand the basic concepts of networking and deploying simple LANs.
3. To understand the essential characteristics of tool used for Interconnecting Cisco Networking Devices.
4. To describe the features and functions and implementation of the Cisco IOS Software.



Mr.Abhishek Pandey Corporate Trainer,(CETPA InfoTech)Noida
Addressing the Audience

Students & Faculty Members Attending the Workshop

Report:

Tecnia Institute of Advanced Studies organized a workshop on 9th April 2015 at MCA LAB (PG Block, First Floor), by Corporate Trainer Mr. Mr.Abhishek Pandey (CETPA InfoTech),Noida for MCA 4th Sem. The workshop was divided into following modules:

Module 1: Introduction of Cisco Certifications (30 Mins)

Module 2: Fundamentals of Networking (30 Mins)

- ❖ TOPOLOGY.
- ❖ NETWORK MEDIA.
- ❖ NETWORK MODELS.
- ❖ NETWORK HARDWARE.
- ❖ ROUTERS.
- ❖ HUB AND SWITCHES.

Module 3: IP ADDRESS AND OSI MODEL (30 Mins)



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- ❖ INTRODUCTION OF IP ADDRESS.
- ❖ SUBNETING.
- ❖ SUPERNETING.
- ❖ VLSM.
- ❖ CIDR.
- ❖ IP ADDRESS CONFIGURATION.
- ❖ OSI MODEL.

Module 4: CONFIGURING CISCO ROUTERS (30 Mins)

- ❖ CONFIGURING CISCO ROUTERS.
- ❖ IP ROUTING CONCEPTS.
- ❖ STATIC ROUTING.

Module 5: QUERY SESSION & COMPETITION BASED ON WORKSHOP (30 Mins)

- ❖ STUDENTS DOUBT CLEARANCE SESSION.
- ❖ CAREERS IN NETWORK SECURITY.
- ❖ INDUSTRIAL EXPOSURE OF NETWORKING INDUSTRY.
- ❖ AWARDS & CERTIFICATES OF HONOUR TO WINNERS.
- ❖ CERTIFICATES OF APPRECIATION TO SELECTED PARTICIPANTS.
- ❖ CERTIFICATES OF PARTICIPATION TO ALL PARTICIPANTS.

Mr. Abhishek Pandey successfully elaborated each of the five modules with practical orientations. He also made students acquainted with the prospects of application development using networking in the IT sector. At the end, he resolved the students' queries to their satisfaction level.

LEARNING OUTCOME:

Students have the following learning:

1. Troubleshoot hardware and network problems in a Cisco environment.
2. Installing and configuring software and upgrades of Cisco equipment.
3. Interact and communicate effectively with users to identify network problems and needs for upgrades.
4. Function effectively as a member of a team.
5. Use appropriate resources to search network management issues and tools and to support their own lifelong technical learning.