Training Course:
Data Network Administration

27 - 31 January 2025
Trabzon (Turkey)

Training Course:
Data Network Administration

Training Course code: IT234599 From: 27 - 31 January 2025 Venue: Trabzon (Turkey) - Training Course Fees: 6000 Euro

Introduction

To provide facilities for conducting research to its visitors and associate members and provide a forum, both national and international for scientific contacts between researchers from all over the country and abroad.

 To achieve speedy attainment of national capability in newly emerging fields of physics and technology through conducting research and development.

The Centre would seek to accomplish its mission by; In-house research and Outreach program. The IT group was started in 2003 with six IT professionals.

 Apart from other responsibilities of the group which include providing IT services to NCP users and visitors, software development, Grid node deployment, and management, this group has been involved in conducting IT training and has completed a number of training programs in collaboration with various agencies including the Pakistan Computer Bureau PCB.

Now the IT department has a number of skilled and qualified instructors having very strong technical command over a wide range of subjects. One of these areas is Networks and Communication.

Course Outlines of Data Network Administration

 Day 1: Networking Basics and Concepts

o Introduction to Networks

o OSI Reference Model

o TCP/IP Layer Model

o IP Addressing

 Day 2: Switching & Routing

o Spanning Tree Protocol

o Rapid Spanning Tree Protocol

o Virtual LANs VLANS

o Inter VLAN Routing

o Ether Channel

o Redundancy using HSRP, VRRP, and GLBP

o Introduction to WLANS

o Introduction to Routers

o Static vs. Dynamic Routing

o Link State vs. Distance vector Routing

o RIP

o EIGRP

o OSPF

o Access Control Lists

Day 3: Network Services

O DNS Server

o DHCP Server

o FTP Server

o Proxy Server

 Day 4: Introduction to WAN Technologies

O Network Address Translation

o ISDN

o Frame Relay and ATM

o PPP

 Day 5: Network Management & Monitoring

O Introduction to Network Monitoring

o Monitoring Tools and Techniques

o SNMP

o Syslog

Registration form on the Training Course: Data Network Administration

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