

Certified Network Professional Program (CNPP)

The Informatics Certified Network Professional Program is designed to provide the participants an in-depth knowledge of computer networks. It aims to expose participants to theoretical and practical knowledge in network installation, configuration, and management of network hardware.

Pre-requisite: Basic computer concepts

Target Audience:

This course is specifically designed to those who are interested in taking an intensive and comprehensive course in Networking. The course covers both theoretical and practical exercises in Networking.

They work as:

- Technical Support
- Network Administrators

In:

- IT Consulting Companies
- The IT Department of a company
- The Academe

Modules:

1. Introduction to Computer Networks
2. Network Installation and Configuration
3. Mastering Microsoft Windows Server

General Outline:

- **Introduction to Computer Networks**
 - Explain important networking concepts
 - Describe network protocols and architecture
 - Identify different network hardware devices
 - Do comparative analysis on the feature of different network operating systems (NOS)
 - Do networking with TCP/IP and the internet
 - Do practical troubleshooting, maintenance, and upgrading of a network
 - Explain the concepts of network integrity and security

No. of Hours: 40 Hours

- **Network Installation and Configuration**
 - Explain the concepts of the OSI model and network standards
 - Explain the concepts of TCP/IP addressing
 - Identify different network topologies and design
 - Do transmission media installation
 - Perform network management and maintenance
 - Explain WAN concepts
 - Explain router basics, startup, and configuration concepts

No. of Hours: 40 Hours

➤ **Mastering Microsoft Windows Server**

- Explain the concepts of networking with MS Windows Server
- Plan network protocols and compatibility
- Install and configure servers for storage, backup, and performance options
- Manage accounts and client connectivity
- Explain remote access and virtual private networks
- Evaluate Internet and Network interoperability
- Do server and network monitoring and tuning

No. of Hours: 40 Hours