

Course Overview

Codec Certified Telecom Essential Training Course provides an overview of the past and modern telecom industry, concepts, technologies and trends.

Candidates gain a clear understanding of telecom, basic telephony, premises technologies, access and transport technologies, public and private voice, data convergence, IP networking, IPv6, Voice over IP (VoIP), Softswitch, IMS, Video, IPTV, MPLS, VPNs, optical networking, VPLS, fixed and mobile wireless, GSM family..

The technology, marketplace, and regulatory structure of telecommunications are in a continuous state of transition. This training will ensure that you fully understand the service options available to your organization, and how voice technologies integrate into your existing data networks.

Course Objective

After completing this course, student will be able to:

- Telecom Business Processes Global Outsourcing
- Core Business Strategy and Key Alliances
- Sustainable Competitive Advantages
- Emerging Telecom Markets and Technologies for Multimedia, Data and Voice
- Understand the communications industry structure, how it is changing, and how it affects competition
- Comprehend the basics of voice and data communications technologies
- Understand the differences between analog and digital transmission
- Understand voice networks & voice traffic engineering
- Understand the basics of local and wide area networks (LANs, WANs)
- Understand technologies such Ethernet, MPLS and IP Understand xDSL, cable modems, and wireless technologies
- Understand what is happening in voice/data/multimedia convergence
- Understand voice over IP (VoIP)
- Explore optical networking technologies & wireless technologies

Pre-Requisites

Although this course requires no previous knowledge / understanding of related technologies & standards. Candidates have a basic engineering background and understanding of telecom concepts would be beneficial

Who should attend?

This course is beneficial for everyone needing a comprehensive introduction to modern telecommunications, data network technologies and basic overview of telecom business trends and analysis

This course is recommended for both Bachelors or Masters Students as well as New Entrants to the telecom industry and Technical Staff seeking an understanding of basic telecom concepts which want to gain some experience in data networking and are in the process of converging your telephony and data network infrastructures,

The Specified Program Enables Participants to Seek Jobs In

- Network Engineers and Administrator
- Network Analyst / Managers / Architects
- Systems Integrators
- Voice Technologies Administrator / Engineer / Manager
- Network Planning & Optimization Lead / Specialist

Course Duration: 5 Days (Forty Hours Workshop)

Course Content

- Technology Trends
- Communication in the Modern Age
- The Evolution Trends in Transport and Transmission Networks
- Telecom Trends and Forecasts
- Introduction To Telecom
- Carrier Access Network Architectures
- Basic Voice Telephony
- Telecom Network Components, Terms And Concepts
- The Public Switched Telephone Network
- Access And Transport Networks
- Private Voice And Converged Networks
- Introduction To Data Networking
- Overview Of Wireless Technologies