



AN ISO 9001 : 2008 Certified Company

Apeksha Telecom Services Pvt. Ltd.



CORPORATE TRAINING

**A-43, 1st Floor, Sec-2, Noida(UP)
(Beside Noida Sec-15 Metro Station)
Contact : 9886577992, 9535333550**

ABOUT US

Apeksha Telecom is one of the best and trusted Telecom vendor partner for numerous Telecom operators in India and globally.

Started as a proprietorship business in 2005, as a Telecom Training institute, we provided various Telecommunication certification courses. In 2008, we incorporated as a Private Limited organization. Currently, we are dealing with four different verticals like:



We offer Telecom Training for freshers and corporate professionals. The motive for the Training is the technical skill development of the trainees. We have telecommunication certification courses for 5G-NR, IoT, NFV, SDN, 4G-LTE, 3G-WCDMA & 2G-GSM.

All the Telecom training courses delivered at APEKSHA Telecom are according to current industry requirements. The training is handled by our dedicated team of Telecom experts, holding a minimum experience of 8 to 15 years in the Telecom domain.

Simultaneously, we have been creating value for our clients by on-time delivery of Telecom Projects and excellent Manpower Outsourcing Services all over India.

“We do not just offer training,
we offer Transformation...”



CORPORATE TRAINING

Corporate Training & Development Program at Apeksha Telecom, aims at Technical skill upgradation for experienced Telecom Professionals.

We provide Corporate Training to various Telecom Operator/Vendor & Sub-Vendor Companies. We deal with both, wireless technology corporate training as well as product-specific corporate training. The duration and the fee for all the trainings are customizable as per the client's requirements.

Wireless Technology Corporate Training

5G TRAINING

4G-LTE TRAINING

3G-UMTS TRAINING

2G-GSM TRAINING

Product Specific Corporate Training

SAMSUNG

ZTE

ERICSSON

HUAWEI

NOKIA

“Job training empowers people to realize their dreams & improve their lives”

3G

4G

5G

2G

WIRELESS TECHNOLOGY TRAINING

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5G TRAINING

5G Technology Overview
SDN Training
NFV Training
IoT Training

4G-LTE TRAINING

LTE Technology Overview
Mastering LTE Air Interface
LTE RAN Signaling and Operations for UMTS Operators
LTE Radio Network Planning and Design
LTE RF & RAN Optimization and Troubleshooting
LTE-EPC Networks and Signaling
LTE & GSM/UMTS Interworking
Voice & IMS in LTE-EPC Networks
VoLTE Training

3G-UMTS TRAINING

WCDMA Training
UMTS Radio Network
Protocols and Signaling
HSPA Protocols & Signaling

2G-GSM TRAINING

GSM Basic Principles

“Education is not the learning of facts but the training of the mind to think”

5G

5G TRAININGS

5G, the fifth generation of the wireless networks is the upcoming telecommunication technology which accounts for the next phase of wireless and mobile technology evolution.

Course Outline

The course outline for the 5G Technology trainings delivered at Apeksha Telecom is specified below:

5G Technology Overview

1. 5G Services and Performance Requirements
2. 5G Network Architecture
3. 5G Air Interface
4. 5G Deployments

Duration: 40 hours
Fee: 30k

SDN Training

1. SDN Overview
2. Routing & Forwarding
3. SDN Architecture
4. SDN in Action
5. Using SDN

Duration: 8 hours
Fee: 15k

NFV Training

1. NFV Overview
2. Domain 2.0 Platform
3. NFV in Action

Duration: 8 hours
Fee: 15k

IoT Training

1. Enterprise Trends
2. IoT Technologies
3. IoT Applications
4. The Road Ahead

Duration: 8 hours
Fee: 15k

“Leadership & Learning are indispensable to each other”



4G TRAININGS

LTE stands for Long Term Evolution and is all about the drastic improvement in the 3G wireless networks. The main goal of LTE is to provide speedy wireless mobile services which will eventually replace the existing 2G and 3G networks and services.

Course Outline

The course outline for the 4G Technology trainings delivered at Apeksha Telecom is specified below:

LTE Technology Overview

1. Introduction to LTE
2. LTE Architecture and Protocols
3. LTE Air Interface
4. Initial Attach
5. QoS Support in LTE
6. Idle Mode Mobility & Handovers
7. Services in LTE
8. Interworking
9. Deployment

Duration: 32 hours
Fee: 10k

Mastering LTE Air Interface

1. Introduction to LTE
2. LTE Air Interface Essentials
3. System Acquisition
4. System Access
5. Data Session Setup
6. Downlink Operations
7. Uplink Operations
8. Mobility and Power Control

Duration: 32 hours
Fee: 10k

LTE RAN Signaling & Operations for UMTS Operators

1. LTE Network architecture
2. LTE Air Interface
3. System Acquisition
4. Connecting to LTE-RAN
5. Attach to the Network
6. QoS in LTE
7. Traffic & Bandwidth Management
8. Mobility & Idle mode
9. Handover & Interoperability

Duration: 40 hours
Fee: 20k

“Strive for continuous improvement instead of perfection”

LTE

4G

LTE Radio Network Planning & Design

1. Overview of LTE Radio Network Design
2. LTE Air Interface
3. Market & Engineering Requirements
4. LTE Link Budget
5. RF Design & Site selection
6. Antenna in LTE networks
7. LTE Capacity Planning
8. RF Configuration and Operational Parameters

Duration: 40 hours
Fee: 30k

LTE RF & RAN Optimization and Troubleshooting

1. LTE RAN KPIs
2. Coverage Analysis
3. Accessibility KPI Analysis
4. Intra-frequency HO Analysis
5. Inter-RAT Handover
6. CSFB Analysis
7. Connection Drop Analysis
8. DL & UL Data Traffic Performance
9. Idle Mode Performance

Duration: 80 hours
Fee: 60k

LTE-EPC Networks and Signaling

1. LTE-EPC Network Architecture
2. LTE-EPC Protocols
3. LTE-EPC Signaling Basics
4. Security in LTE-EPC
5. LTE-EPC Network Access
6. QoS & PCC Framework
7. Session Establishment
8. Intra-LTE Mobility
9. IMS & Support for Voice
10. Deployment Considerations

Duration: 40 hours
Fee: 30k

LTE & GSM/UMTS Interworking

1. Interworking
2. Interworking Network Architecture
3. Initial Session Setup
4. Connected mode Interworking
5. Idle mode Interworking
6. Circuit Switched Interworking

Duration: 40 hours
Fee: 30k

Voice & IMS in LTE-EPC Networks

1. LTE Network Architecture
2. IMS Architecture
3. Protocols for VoIP & IMS
4. IMS Registration
5. QoS Support in LTE-EPC
6. VoLTE Call Setup
7. Emergency Call Support
8. Voice Call Continuity
9. SMS over IP using IMS

Duration: 40 hours
Fee: 30k

VoLTE Training

1. VoLTE KPIs and Tools
2. VoLTE Accessibility
3. VoLTE Retainability
4. VoLTE Mobility
5. VoLTE Capacity
6. Coverage Overview

Duration: 40 hours
Fee: 40k

“ You must either modify your dreams or magnify your skills”

3G

3G TRAININGS

UMTS (Universal Mobile Telecommunications System) is an umbrella term for the third generation radio technologies developed within 3GPP. UMTS facilitates packet-based transmission of text, digitized voice, video, and multimedia, at data rates up to and possibly higher than 2 Mbps.

Course Outline

The course outline for the 3G Technology trainings delivered at Apeksha Telecom is specified below:

WCDMA Training

1. WCDMA Overview
2. WCDMA Technology Basics
3. Interface Protocol & Channel structure of WCDMA RAN
4. Channel Structure
5. Interface & Protocol
6. HSDPA Fundamental Policies & Key Technologies
7. HSDPA Networking Policy & Network Planning

Duration: 32 hours
Fee: 15k

UMTS Radio Network Protocols and Signaling

1. Introduction to UMTS
2. UMTS Architecture
3. WCDMA in UMTS
4. WCDMA Channels overview
5. Network Perspective
6. RRC Setup
7. Voice Call Setup
8. WCDMA Power Control
9. Mobility: Intra-Frequency Inter-frequency & Inter-RAT
10. Data Session Setup
11. RF Design, Analysis & Optimization
12. HSPA Essentials

Duration: 40 hours
Fee: 20k

HSPA Protocols and Signaling

1. HSPA Overview
2. HSDPA Basics
3. HSDPA Channels
4. HSDPA Traffic Operations
5. HSDPA Data Call Signaling
6. HSUPA Basics
7. HSUPA Channels
8. HSUPA Traffic Operations
9. HSUPA Data Call Signaling
10. Multi-services Scenario
11. HSPA Interworking

Duration: 40 hours
Fee: 30k

“There is no elevator to success, one needs to climb the stairs”



2G TRAININGS

The success of GSM technologies in turn, has given rise to optimistic scenarios for the evolution of 3G and 4G technologies such as UMTS and LTE. So, with this training, one can learn how the journey to wireless communication began.

Course Outline

The course outline for the 2G Technology trainings delivered at Apeksha Telecom is specified below:

GSM Basic Principles
<p>GSM Overview GSM Network Structure Interfaces & Protocols GSM Radio Channels Signaling Process Voice Processing and key Radio Technology GPRS and EDGE Technologies.</p>
<p>Duration: 32 hours Fee: 15k</p>

“Learning experiences should always be like never-ending journeys...”



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Thank You!

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**“Intellectual growth should commence at birth
and cease only at death”**