Training in Advanced Telecom

Major Contents

1. Overview of Telecommunication networks
   a) Telecom Network Architecture
   b) Local and Trunk network
   c) Call Routing
   d) Telecom Industry in India - Institutional Mechanism & Role

2. Digital Switching Principles
   a) PCM principles & Multiplexing of Telecom signals
   b) Introduction to latest switches in telecom industry

3. Fibre Optic Communication Principles
   a) Characteristics of Optical Fibre
   b) OF transmission systems and their features

4. Mobile Communication Principles
   a) Cellular Principles
   b) Principles of GSM, Network Architecture, Logical Channels, Mobility management, Handover
   c) CDMA—Principles, Network Architecture, Call Processing, Handover, Power Control, EVDO

5. Broadband, DSL technologies
   a) Principles, Network Architecture
   b) Broadband Services

6. Intelligent Network
   a) Network Architecture
   b) IN Services

7. IPv4

Highlights

- The classroom theory sessions are supplemented through practical exposure/hands-on by the trainees on live full complement of latest equipments available in the training centre/field unit:
  - Latest switches – OCB, CDOT
  - Mobile equipments-2G GSM, CDMA
  - OFC Splicing
  - OF Systems- SDH, DWDM
  - Broadband