



Workshop on “Window For Telecom World” (1 Day)

1 Introduction to Telecom..... 1 ½ hours

- Telecoms Evolution
- The PSTN and ISDN: access and core networks
- History of Cellular Systems and evolution of various generations of Mobile Communications
- Traffic classes & Services categories
- VAS services & application
- Current cellular market scenario and future growth opportunities
- Telecom Regulatory environment in India
- Spectrum allocation

2. Basics of air interface of 2G,3G and 4G LTE technology.....2 hours

- Transmission method –FDD & TDD
- Frequency range for 2G,3G & 4G network
- Multiple Access methods
 - FDMA
 - TDMA
 - CDMA
 - OFDMA
- Modulation technique used in Mobile network
 - GMSK
 - 8PSK
 - QPSK
 - 16/32/64 OAM
- Comparison of 2G 3G and LTE technologies & data rate evolutions.





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3. Mobile Network architecture evolution & call flow procedures

...1 ½ hours

- Traditional architecture
- GPRS Network architecture
- Intelligent Network
- Network architecture evolution to 3G/ & 4G generation LTE network.
- Voice & GPRS Call flow and charging concepts.
- Transport Network evolution from E1 to ALL IP.

4. Brief of Network planning & monitoring and important RF tools

...1 hours

- Planning tool
- Optimization tool
- Drive test tool
- OSS applications



Quality



Cost Effective



Wireless Engineering



Service