ZENUS INFOTECH INDIA PVT. LTD.

CURRICULUM OF WIRELESS & TELECOM

Course Duration: 6/8 Weeks*

Introduction

Historical background

Scope of telecommunication

Importance of Telecom

RF Signal Propagation

Antenna Concepts

Telecom infra

GSM (2G) technology

GSM Band

GSM Architecture

BSS configuration

NSS identity

GSM channel

Call routing (mobile to mobile)

Location updates

Handover (Hand off)

Frequency planning

GPRS (2.5G) technology

Introduction of GPRS

GPRS fundamental

Telecom Switching

GPRS Architecture

Comparisons b/w GSM & GPRS

UMTS (3G) technology

Introduction of 3G

Features of 3G

3G N/W architecture

Spreading, Channelization

Radio resource management

LTE (4G) technology)

The need for LTE Dynamics

LTE Overview

Comparison b/w 2G, 3G & 4G

LTE Network Architecture

Advantages of LTE

Equipment's & software

GPS (global positioning system)

Google Map

Magnetic Compass

Path loss finder

Team viewer

MAPINFO

TEMS

Practical's

Site visit to see Antenna Type

Practical of RF/EMF/ LOS Survey

Path loss find via software

Check MW antenna orientation

Network planning via Map Info

Networks Testing via TEMS

Live projects (reliance 4G)

Latest wireless technologies

Internet protocol (IPV6)

Cloud computing/WI-FI

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