

**Universal Mobile Technology Services, India
UMTS Consulting Services Private Limited
Fountainhead Training Academy**



Corporate Office

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Fountainhead Training Academy
Building Confidence ... Building Careers

Graduate Finishing School, Skill Development & Career Growth Centre. Gurgaon

UMTS India
Universal Mobile Technology Services

**Universal Mobile Technology Services India
UMTS Consulting Services Private Limited
Fountainhead Training Academy**



**Job Oriented, Vocational Technical Training & Project Work based on
Telecom Industry Needs & Requirements for Final Year Engineering Students**



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Profile of MD & CEO, UMTS India

Parmindra Kwatra

Managing Director & CEO, Universal Mobile Technology Services (UMTS) India.

Experience

MOTOROLA	-	Country Head & Director
SIEMENS	-	Vice President & Head of Mobile Networks
AT&T	-	Director Wireless & Transmission Systems
SPRINT RPG	-	Vice President – Data , Internet, Email Networks
TATAs	-	Power Systems, Switchgear & Transformers,
ABB	-	Power Systems, HV / EHV Switchyards

Education

FIETE	-	Fellow of Ins. of Electronics & Telecom Engineers.
Advanced Mgmt Degree	-	Duke University , USA & Siemens, Germany.
Post Graduation in Mgmt	-	Inst. of Management Studies, Delhi
B. Engg. Electrical	-	NIT (REC) , Bhopal
School/ Pre-university	-	Banaras Hindu University (BHU)
Leadership Development Program -	-	AT&T School of Business, USA
Strategic Management Program -	-	IMD Switzerland and Siemens AG , Germany.
Member	-	TEMA, ISHRAE



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Training for Students: Telecom Industry

- Telecom / Cellular Engineering is one of the fastest growing Industries.
- Currently Rs 4 lakh+ Crore per year Industry in India.
- India has highest growth rate of Mobile Subscribers.
- Indian Mobile base subscriber has now reached 800 million and expected to cross 1 Billion mark by 2013.
- Introductions of new technologies like 3G, 4G, LTE has created a need for many more qualified and trained engineers.
- Nokia-Siemens, Ericsson, Motorola, Huawei, Airtel, Aircel, TATA, Vodafone, Reliance have a strong presence in India.
- Well paid and one of the highest paid sector in India and globally.
- Opportunity to work on latest technology like 2G, 3G, LTE etc.



Training for Engineering (ECE, EE, CS, IT) & Management (MBA) Students

- 4 – 6 months Industrial & Telecom / Mobile Networks Training.
- 6 – 8 weeks Summer Training & Internship Program for MBA (Summer Training & Project Work) & Engineering Students (Summer Training 2nd / 3rd Year).
- Final Year (7th & 8th Semester) Training Program for MD University & PT University affiliated Engineering College Students.



Indian Telecom Industry – Revenue - FY 2011-12

Top 10 Players – Telecom Operators India (FY 2011-12)

Rank	Players	Revenue (in Crore)
1	Airtel	71,451
2	Vodafone	34,099
3	BSNL	28,447
4	Rcom	20,382
5	Idea	19,489
6	Tata Comm	14,341
7	TTSL	10,512
8	Aircel	6,651
9	MTNL	3,595
10	TTML	2,488
	Total	Rs. 2,11,455 Crore

Telecom Equipment Industry - India(FY 2011-12)

Nokia, Siemens, Motorola, Cisco
Ericsson, Alcatel etc.

Revenue	Rs. 1,13,188 Crore
Grand Total	Rs. 3,24,643 Crore



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Proposal for

**Job Oriented, Telecom Industry need based
vocational Technical Training & Project Work for
Final Year Engineering Students
as per MDU guidelines 2012-13**



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Telecom Training & Project Work

***Designed and Conducted by UMTS India
in consultation / association with industry
Experts of Top Telecom Companies.***

***Telecommunication Technologies & Networks,
GSM, WCDMA, 2G, 3G, LTE, GSM - R & Wireless Broadband.
Mobile Cellular Network Design, Radio Frequency
Planning & Optimization for networks using established
Methods, Processes, Tools & Software.***



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Telecom Project Details

- ***Mobile & Fixed Networks Infrastructure, Telecom Services, Switching, Transmission and Radio Access Networks.***
- ***Scope of training involve Radio Network Planning – New site selection, Perform site surveys, drive test & validation, Frequency (perform parameters / recordings, Coverage calculations , studies, and simulation plots using modern& sophisticated tools) and Radio Network optimization (BSC/ RNC cluster Optimization , Ensures Radio Network Key Performance Indicators) and Transmission Planning.***
- ***Micro Wave Radio & Transmission Systems , Passive Infrastructure, Power Systems, Solar based Tower etc.***
- ***Project Management, Network Roll Out, Site Surveys, equipment Installation & Commissioning, Supervision, Managed Services.***



Proposed Program Schedule

Will be divided into 4 Module, having 1 month for each module.

Daily 4-6 hrs of coaching and monitoring.

Modules will be as follows:

- Basic understanding for Mobile communication.
- Network Planning and Network Challenges.
- Standalone City Planning and Validation.
- Project Management, Transmission planning, Network KPI.



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Basic understanding for Mobile Communication

Mobile Technology

– an overview.

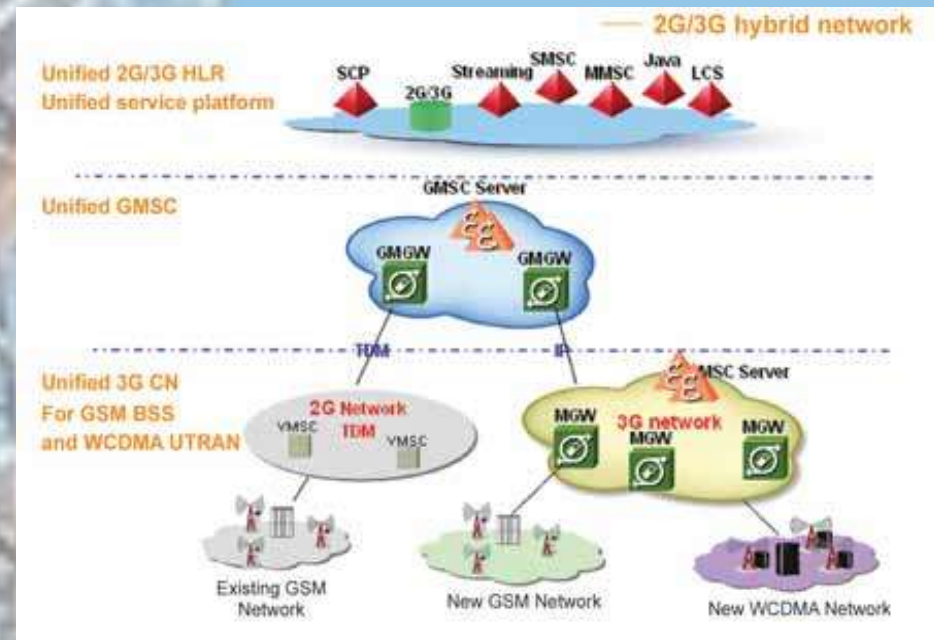
Understanding of 2G Mobile
Systems.

Understanding of 3G Mobile
Systems and 2G/3G Hybrid.

Network Architecture for 2G/3G
networks.

Spectrum allocation and spectrum reframing in
India and across globe.

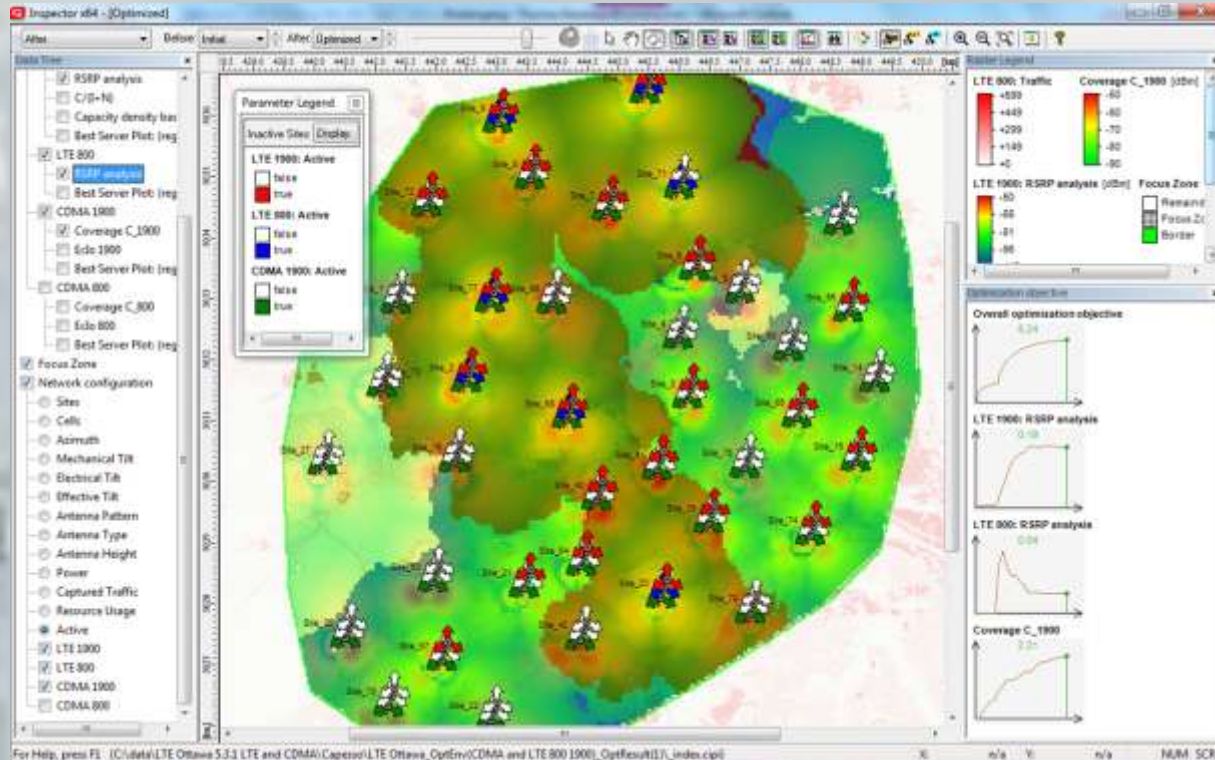
Introduction on LTE.



Network Planning and Network Challenges

Coverage and Cell Structure Planning.

Capacity and Frequency Planning.



Network Growth and Network Optimization.

GSM network planning using repeaters.

Network Challenges and ways to handle.



Standalone City Planning and Validation

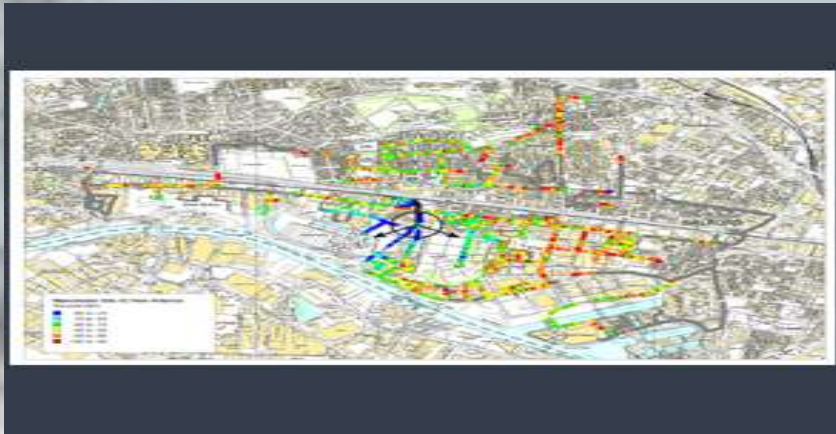
Groups of 5-6 will plan a city, based on planning parameters.

Field work will include terrain study and planning of nominal's (probable site locations)

Will be able to simulate results of coverage and interference on planning tools.

Will allocated capacity based on required parameters.

Network Validation through drive Test.



Transmission Planning, Network KPI, Project Management & Services

Basic Project Managements, Understanding of Time Cost and Quality.

Transmission planning and LOS (Line of Sight) Key Performance Indicators' and there significance.

Radio Network Parameters – Power Control, Handover etc.

Passive Infrastructure, Solar Powered Towers, Supervision of Installation & Commissioning of Telecom Infrastructure.



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Key Highlights & Real Value add to Students

All Engineering Students (Electronics, Communication, Computer & IT) after going through the above program of UMTS India are fully trained & capable to join fast growing Telecom Industry in India.

Benefit to Students:

Hands on vocational training on most sought after Technical Skill in Telecom Network, Radio Planning, Project & Services areas to make them suitable for high potential telecom job market in India and abroad .

Initial salary depending on company, responsibility and location etc shall be between 1.8 lakhs to 4 lakhs per annum.

Benefit to College

Confident & successful trained students, Higher placement, Increase in reputation & credibility of college with prospective students, telecom/technology industry & companies, higher admissions next year. Overall increase in rating.



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Job Prospects & Compensation:

Students trained through this special, most sought after specialized skill, compatible & based on global technologies & brands program will be ready to take up technical/ planning jobs in Telecom market with operators, vendors, integrators & project/services companies.

Almost all good students with good academic & relevant technical background after completion of this program are expected to get jobs within 3-6 months of completion of their Degree within Telecom companies mentioned below.

Target Companies...

Placement with Vendors:

NSN, Ericsson, Motorola, Huawei, ZTE, Comverse, BT, Cisco, IBM, Commscope, Andrews, Teletch, VAS vendors.

Placement with Operators:

Vodafone, Airtel, Idea, BSNL, MTNL, Aircel, Reliance Telecom, Tata Tele, Videocon, HFCL, Shyam Telecom, Sistema, Telenor etc.

Placement with project/Services/Integrators:

Wipro, Aircom, Leadcom, Quippo, American Towers, Indus Towers, RIL, RCOM, Tower Vision, GTL, Luminous, Nutech, Keenan, Telcordia, Nokia, Sony , Tech Mahindra, Subex, and more companies in Telecom field.



UMTS India – Industry Association, Experts & Advisors

Senior Managers including Directors & Vice Presidents from various companies listed below are part of this program as Industry Experts

SIEMENS



Microsoft



Nokia

Nokia Siemens

ZTE

Siemens

Raritan

Videocon

Andrews

Microsoft

Comverse

OMC

Ericsson

Sevcon

Navteq

Vodafone

JBM

MTS

Genpact

JP Cements.

AT&T USA.

Samsung

Gilat Satellite

Motorola

Unitech

COAI

Tekelec

Sevcon LTI

Ciena

Accenture

Prasha

Airtel

Nortel

Telcordia

Aircel

L&T

GTL

Cisco,

Alcatel

Telmar

VIOM

Networks

Blue Harp

**Tayana
Software**

Tata

Linquest

Prasha Technologies Ltd.

NaviSite

COMMScope



SEVCON
Partner with Performance



TAVANT
TECHNOLOGIES



and many more.....

Universal Mobile Technology Services India (UMTS India):

A Technology and Telecom Company, incorporated under companies act 1956 based & HO at Gurgaon, provides services & consultancy to various companies in Technology, Infrastructure, Telecom, Power, Information Technology, VAS, Mobile Telephony & other high growth sunrise industries

Fountainhead Training Academy:

A Unit of UMTS India, is a graduate finishing school providing managerial, technical & skill development, training & career growth programs with focus on Industry Knowledge, Corporate Awareness, Essentials of Business & Industry.

The focus is on high growth and sunrise industries like Telecom, IT, Power & Renewable Power, Auto, Construction & Real Estate, Infrastructure, FMCG & Retail, Consulting & Services.

All programs are designed and conducted by Senior Managers including Vice Presidents & Directors of top global & Indian Companies.



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Thank You!



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