



UTL TECHNOLOGIES LTD.

BRIDGING ACADEMICS TO INDUSTRY



Bridging Academics to Industry

www.utltraining.com

Who we are

UTL Technologies Ltd., a UTL Group company, one of India's highly appreciated and widely recognized prominent high-end training organization in providing Industry relevant training solutions to Students, Working Professionals and Corporate houses.

UTL Technologies is known as a trailblazer in emerging technologies training, its comprehensive and innovative training methodology on a vibrant spectrum of latest technologies makes it a leader. UTL offers courses in niche areas like Embedded Systems Design, VLSI Design, Mobile Communication, Networking, Software and Open Source Technologies.

Since its inception, UTL has trained more than 40,000 candidates, and conducted 100+ corporate training programs in Semiconductor, Software, Open Source and Communication Technologies.

UTL signed an MOU with Visveswaraya Technological University (VTU) in the year 2003 to conduct M.Tech Programs in VLSI Design & Embedded Systems and Digital Electronics in both Full time and Part time modes for Graduate Students and Working Professionals. UTL is also recognized by VTU as a Research Center for pursuing Ph.D.

UTL is empaneled with Ministry of External Affairs, Govt. Of India to deliver various technological training programs for participants coming from 158 Countries in Asia, East Europe (including former USSR), Central Asia, Africa, Latin America, the Caribbean as well as Pacific and Small Island countries.

UTL also conducts corporate training programs for many prestigious ICT companies in wide range of technologies to enable them to meet their training needs. We also provide ready to deploy manpower solutions for our clients in technologies that we work for.

UTL is associated with Electronic Sector Skill Council and Telecom Sector Skill Council to impart Skill development trainings to the unemployed youth under various Govt Schemes.

Training Solutions

Individual Learning Solutions

We Offer Career Courses for Freshers, Working Professionals and Students at our Centers located in Bangalore.

Campus Learning Solutions

In association with leading Engineering Colleges we offer Career Courses, Workshops, Faculty Development Programs and Academic Project Guidance



University Programs

VTU in association with UTL Technologies has setup an extension center for executing M.Tech Program in VLSI Design and Embedded Systems



Enterprise Learning Solutions

We offer Customised Courses in wide range of technologies to meet the training needs of corporates

ITEC / SCAAP Programme

UTL is empaneled with Ministry of External Affairs, Govt. Of India to deliver various technological training programs in emerging technologies

Our Associates & Partners

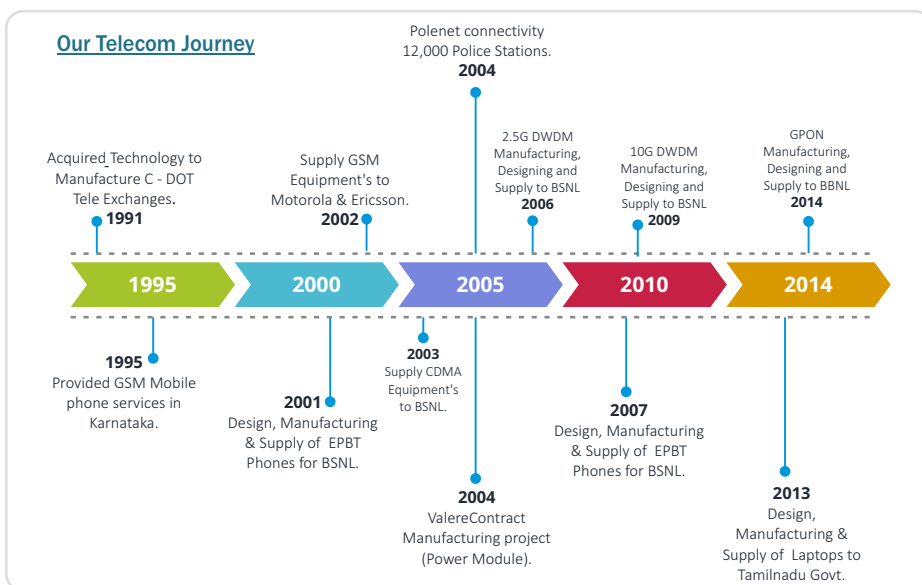


“Our mission is to be a premier Institute with continuous improvement and achieve excellent customer satisfaction in providing high end skill training and development on emerging technologies by bridging the gap between Academics and Industry in the fields of Information and Communication Technologies ”



United Telecoms is a reputed global business house with interests in diversified sectors like Telecom, E-governance, Steel, Power, IT, Real Estate, Manufacturing and Education. Today our foot print extends over 60+ nations across the globe and employing more than 2000 people

UTL has been a pioneer in the Telecommunication revolution in India. Being experts in Telecom, Networking, IT, Software Development, Turn key projects and Project Management, we have an edge. UTL has a broad product range comprising of Switching, Transmission, Access, Wireless and Terminal equipment.



Our Group Domains

| | | | | | |
|--------------------------|----------------------------------|------------------------|-------------------------|-----------------------------|-------------------------------|
| Telecom / Networking | Telecom Domain Offerings | Access Products | Transmission Equipments | Switching Equipments | Customer Premises Equipment's |
| | Products | DWDM | MD ROADM | CWDM | |
| | Services | Contract Manufacturing | Design Services | Product Engineering | |
| | Field Engineering | GSM | CDMA | | |
| | Solutions | Long Haul | Metro Solutions | Mobile Back Haul | Broad Band Solutions |
| Information Technologies | TrigynTechnologies | Managed Services | IT Staffing | Outsourcing Services | Content Management |
| E-Governance | Infrastructure | Applications | Capacity Building | Transaction based Services | |
| Mobile Devices | Karbons | Feature Phones | Smart Phones | Tablets | |
| | Gionee & HTC (Distribution) | Feature Phones | Smart Phones | | |
| Power | Renewable Energy Projects | Thermal Projects | EPC Services | Supply of Solar Products | |
| Education | Course Delivery & Certifications | Corporate Training | MEA Training Program | University Training Program | Placement Services |

Realizing the Citizen's Role...
...paving the Way for a Better Society



Association with Leading Universities and Academic Institutions

UTL is associated with leading Universities and Academic Institutions to bridge the skill gap by conducting various programs like: Skill Development Programs, Value Added Courses / Workshops / Boot camps, Students Exchange Programs, Faculty Development Programs, Faculty Exchange, Content Development Support and Seminars / Tech Talks. More than 10000 students and 500+ Faculty members benefit from the programs offered by UTL Technologies every year.



Training Programs Offered

| | |
|---|---|
| Student Exchange Programs | Students from our partner Universities / Institutions can opt to study at UTL as a part of their Industrial Training Program / Study Abroad Program. These exchange programs enrich students' knowledge of global best practices in IT, Embedded Systems Design, VLSI Design, Telecom and Networking Students will study at UTL Campus in Bangalore, India; During the exchange programs students are also taken to Industry Visits and Study Tours, they get to visit UTL R&D, Design and Manufacturing Facilities |
| Workshops and Bootcamps | UTL offers 100+ workshops / boot camps across technology verticals. These are quick technology update programs, offered to students and faculties to upgrade their knowledge and skills. Duration of these programs range from 20 - 40 Hrs. |
| Career Courses | Career Courses give complete insight into Technology area they choose to upgrade on, thus making them Industry ready while they at campus. Students also need to work on a project in the respective technology areas and domains for successfully completing the course. Duration of Career Courses range from 180 - 220 Hrs 6 weeks, and conducted during the semester breaks |
| Faculty Exchange & Faculty Development Programs | UTL Technologies actively supports a program of faculty exchanges between domestic and foreign universities. The benefits to the University from this program are manifold and include (1) Wider experience for our faculty members teaching in new and different environments;(2) Broader exposure for our students from visiting faculty members; (3) Expanding reputation of the University / Institution in the quality of its students and faculty; |
| Seminar and Tech Talk | Seminars / Tech Talks will provide the students with much needed information on the current technology trends. These are delivered by our Subject Matter Experts / Industry Experts on wide range topics |
| Internships | UTL Technologies provides internships to the students of partner universities / Institutions in VLSI Design and Embedded Systems Design verticals. UTL has a selection process for interns, only the qualified students are given the opportunity. |

Achieving Goals, Empowering Minds



M.Tech in VLSI Design & Embedded Systems

UTL Technologies has signed an MOU with Visvesvaraya Technological University (VTU) in the year 2003 to establish an extension center at its corporate office in Bangalore for executing M.Tech Programs in VLSI Design & Embedded Systems, Digital Electronics in Full time and Part time mode for Graduates and Working Professionals. VTU has recognized this extension center as a Research Center.

Since its inception in 2003, UTL Technologies has successfully completed 5 Full time and Part time batches. The recent achievements include, one of our students received an Award from His Excellency Dr. A.P.J Abdul Kalam for coming first in PG Project Contest organized by Indian Semiconductor Association, our students stood first and third in the University, which stands testimony to the commitment of our faculties

Achievements

- ❖ Patents : **02**
- ❖ Book Chapters : **02**
- ❖ International Journals Papers : **54**
- ❖ International Conferences Papers : **80**
- ❖ National conference Papers : **40**
- ❖ National conference Papers : **03**
- ◆ Two of our projects are finalists in **Cadence Design contest 2015** among final 4.
- ◆ Project titled "Doof-GooP" is selected for funding in **IBETO 2015** conducted by Govt engineering college, Kochin with association with Govt. of Kerala.
- ◆ Project titled "Medi - rings for senior citizens" is received grant from **IEEE AIEYHUM (Humanitarian contest) 2014** - Asia pacific R10 region.
- ◆ Project titled "Home energy manager" is selected under top 30 projects in **"Next Big Idea Challenge 2013"** organized by Indian Institute of Management(IIM)-Bangalore.
- ◆ Eight of our projects got selected for **INUP (Indian Nano Electronics User Programme)** conducted by **IISC - Bangalore**, For using the fabrication facilities and training from IISC to implement our projects.



Program Highlights

- ❖ Faculty with extensive industrial and teaching experience
- ❖ Exposure to Industry practices through planned visits
- ❖ Opportunity to work on live projects through our Industrial consultancy and our UTL Group research division
- ❖ Research environment which will encourage students to apply themselves and reap the benefits in form of international publications. Infrastructure to support the research environment, cadence research suite which will not only help students to design the circuits but has features such as Corner analysis, Monte Carlo analysis, verification which will help them convert their design to an IP
- ❖ Full fledged library with not only books prescribed by VTU but a whole lot which will help the students & faculties in research
- ❖ An active IEEE student chapter which conducts talks by prominent industrial experts on regular basis to update students on current industrial happenings
- ❖ Our part time batch consists of students who work in leading semiconductor companies such as Cypress, Intel, LSI etc, this gives an opportunity for the full time students to network and know about opportunities in those companies.
- ❖ Have an active placement cell, which works with the goal to provide Internships and Placements with leading semiconductor companies for every student.

Industry Linkage

UTL works closely with many semiconductor companies for Industry consultation, R & D Projects student's placements and internships. Currently we are consulting two industry projects in the area of Analog design and Cryptography.

Our present students are doing their Projects internships with Inspired, Robert Bosch, Tata Power, ISRO, CDAC, and BEL

Our Students are Placed with



One of our students received an award from His Excellency Dr. A.P.J Abdul Kalam for coming first in PG Project Contest organized by Indian Semiconductor Association

For the Academic Year 2010, our students stood First and Third in the University ranks



ITEC / SCAAP Programme

UTL in association with Ministry of External Affairs, Govt. of India to offer most advanced courses in Networking and Telecom technologies under ITEC and its corollary SCAAP (Special Commonwealth African Assistance Programme). Participants from 159 countries in Asia, East Europe (Including former USSR), Central Asia, Africa, Latin America, the Caribbean as well as Pacific and Small Island countries can take advantage of these courses.

ITEC / SCAAP Courses Offered by UTL

UTL offers most advanced courses on Network Security, Optical Communication, 3G Mobile Communication, Cisco, Linux and Microsoft Technologies, these courses are most sought after in the ITEC / SCAAP programme, participants from 120+ countries have attended our courses and furthered their careers is the testimony to the fact.

With the support from UTL Group companies and other partners, our participants will get much needed industry exposure through planned visits to Mobile Communication Labs, Optical fiber Labs, Network Operating Centers, during these visits participants are trained by the experts on the network setup and configurations. Participants are also taken to the study tour to understand the history and heritage of India

The following are the Proposed list of courses.

| SI No | Name of the Course |
|-------|--|
| 1 | Certificate Course in Networking (A+, N+, MCSC 2012 & CCNA) |
| 2 | Diploma in Advanced Mobile Communications |
| 3 | Certificate Course in Wireless Network Administration |
| 4 | Certificate Course in Network Security |
| 5 | Certificate Course in Linux Administration |
| 6 | Certificate Course in FTTH and GPON Technologies |
| 7 | Certificate Course in Cisco Network Enterprise |
| 8 | Certificate Course in Cloud Infrastructure Management |

Participants from 120+ Countries have attended the courses at UTL



World is a global village...its true at UTL!



Individual Learning Solutions

University education lays a lot of stress on fundamentals and concepts creating the right platform for broad understanding of the technology. The education system is constrained in terms of providing much required application knowledge and hands on exposure on the latest technologies which are the requirements of the industry.

UTL Technologies understands this need through its industry background, recruitment & training experience. In fact this is the prime reason for the UTL group to establish a Center of Excellence in emerging Technologies.

We offer Adv. Diploma, Diploma and Certificate courses in Embedded Systems, VLSI, Telecom & Networking technologies for B.E / B.Tech graduates in ECE, Telecom, CSE, IT, Instrumentation, EEE streams, Networking Courses can be attended by Diploma engineers and non-technical graduates as well. Duration of these courses range from 150 - 400 hours on a full time / part time engagement modes, and all these participants are admitted through a Industry endorsed screening process to evaluate their eligibility to attend the course.

Working professionals can attend our technology workshops / modular courses conducted over weeks by our Subject Matter Experts.

Program Highlights

- ❖ Industry ratified curriculum to ensure that courses offered meets the Industry requirements
- ❖ Students are admitted to our courses through a Industry endorsed screening process
- ❖ Courses Delivered by our expert faculty
- ❖ Well defined Course Monitoring System, ensuring the consistency in student's performance
- ❖ Value Added Sessions, Guest Lectures & Placement preparation activities are a part of our delivery model
- ❖ Industry visits to UTL R & D centers, NOCs. Telecom students are given practical training at RTTC, BSNL Mysore on realtime Mobile Network & Testing equipments
- ❖ Periodic Tests / exams to empathize their preparedness
- ❖ Placement Qualifying Test to comprehend the students strengths and weakness areas in the industry perspective
- ❖ Feedback taken on Training & Lab Facilities to authenticate the quality is maintained throughout the complete training cycle

Courses Offered

| SI No | Technology | Certificate Courses | Duration & Eligibility | Workshops / Modular Courses |
|-------|------------------|---|--|---|
| 1 | Embedded Systems | Embedded Software Engineer (ESE) | 16 Weeks, BE/B.Tech/M.Tech (ECE/CSC/EEE /EIE/TCE) with min 60% Aggregate | ARM / Linux Internals and Device Drivers / Android / APP Development |
| 2 | VLSI | VLSI Verification (VER) | 12 Weeks, BE/B.Tech/M.Tech (ECE) with min 70% Aggregate | Verilog / FPGAs / System Verilog / CADENCE Tools / Perl / Layout Design / AMS |
| 3 | Telecom | Telecom Infrastructure Management (TIM) | 10 Weeks, Diploma/BE/B.Tech/M.Tech (ECE/TCE) with min 55% Aggregate | Migration to 3G / Telecom Protocols / LTE / OSS & BSS / VAS |
| 4 | Networking | IT Infrastructure Management (IIM) | 14 Weeks, Graduates/Diploma/Engineers /M.Tech Holders in any Stream with min 55% Aggregate | MCSE / CCNA / CCNP / RHCE |

Leading the way...
...Building successful careers



Corporate Training

Today's highly competitive marketplace has put great emphasis on important elements like the effective use of resources, increased productivity, faster product development and time to market and beat the competition to succeed. This has increased the need for complex systems and shorter product life cycle

At UTL, we perfectly understand our client's need for right training partner to get their work force trained on these complexities to meet the project goals of the organization. Our Cost effective training solutions will enable our clients to organise training at the budgets earmarked.

Technology Areas

We offer tailor made training programs on wide range of ICT technologies, viz..VLSI Design, EDA Tools, Embedded Systems Design, Telecom, Mobile Communication, Networking, Network Security, Optical Communication, Software Development, Open source Technologies, Mobile Application Development, Dataware housing, Software testing, etc.,

UTL Edge

- ❖ Courses delivered by Subject Mater Experts
- ❖ 40+ In-house trainer pool and also associated with leading corporate trainers in the respective domains
- ❖ Offer tailor made training programs in wide spectrum of technologies and domains to cater the varied needs of our clients
- ❖ Well defined delivery system to ensure better learning experience
- ❖ State of the art infrastructure, labs equipped with most advanced Hardware, EDA Tools and software. A dedicated Cisco Lab for CCNA, CCNP and Network Security programs
- ❖ Multi location support
- ❖ Cost effective training solutions to meet our clients training budgets

Our Delivery Model

We do a thorough research on the client requirement before we deploy a trainer / consultant on a specific need. This process helps us to understand the depth and expertise expected out of trainers. We also take a post session feedback from all the participants / learning and development manager which will help us to understand the quality of our training and continuously work on keeping our customers are satisfied.

We have serviced some of the leading ICT companies on various technologies and domains. Most encouraging fact is that many of these clients have turned back to UTL for repeated services due to our sustained quality and timely delivery.

Some of our valued clients are



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Training Solutions to meet project goals



Trained Manpower

In today's knowledge economy, human capital plays a vital role in the organizational development. We @ UTL have a track record of working with clients on human capital issues, whether it is to develop a company-specific strategy or an industry-wide strategy

We always work towards simplifying the recruitment process of our clients by providing them the trained manpower and relatively saving time and money of our clients. Our methodical training procedures and systems has always reassured the companies that our students are trained to meet their requirements.

Our Proven methodologies that acts as catalyst to our business

- ❖ Students are well screened before they register for the training program
- ❖ Well defined Course Monitoring System ensuring the consistency in performance
- ❖ A dedicated R & D team working on upgradation of the curriculum making sure that students are upto Industry standards
- ❖ Guest Lectures and Soft Skills training from the industry professionals to ensure the gap between academics & Industry is bridged
- ❖ Meticulously designed Placement Qualifying Test (PQT), helping us to assess the student's preparedness on industry challenges through online assessment engine
- ❖ A content rich library, knowledge endorsement to the students with access to all major publications / authors & online learning
- ❖ More emphasis given to the projects – re-assuring that the students apply their theory into practical application
- ❖ Well qualified and experienced faculties to mentor the student's dreams and ambitions.

Our trained students are gainfully employed with various top notch ICT companies across the globe. The continued patronage and encouragement extended by these companies have been the source of motivation for us to excel in the course delivery and placement activity.

List of few companies where our students are gainfully employed with:



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Educating the workforce of the future



For Individuals

- ❖ Industry relevant courses ensuring students attending any of our courses are Industry ready
- ❖ Well defined Course Monitoring System, reassuring the consistency in performance
- ❖ Opportunity to work on live projects through our Industrial consultants and UTL Group research division. Project guidance from experts in the field
- ❖ Guest Lectures and Soft Skills training from the industry professionals
- ❖ Placement assistance

For College / Universities

- ❖ Train their students on Industry required skills on their core technology areas thus making them Industry ready
- ❖ Advice and support from UTL in setting up the Labs, and also in research projects
- ❖ Faculty Development Programs to enhance the teaching and technical skills of their faculty
- ❖ Industry visits to UTL's R & D, Manufacturing facilities and Network Centers
- ❖ Placements assistance to students undergoing career courses with UTL

For Corporates

- ❖ Tailor made training programs in wide spectrum of technologies and domains to cater to the varied needs of our clients, courses delivered by Subject Matter Experts
- ❖ 40+ In-house trainer pool and also associated with leading corporate trainers in the respective domains
- ❖ State of the art training facilities with labs equipped with advanced tools, hardware and software for organizing Induction or specialised training at our premises
- ❖ Provide ready to deploy manpower for their needs



Infrastructure

- ❖ State of the art training facilities spanning 25000 sft area
- ❖ Our Labs equipped with most advanced hardware, tools and software, Viz.. Research Suite from CADENCE which support complete flow of VLSI Design Flow. Development Boards based ARM, PowerPC, PIC, 8051 micro controllers. Test and Measurement Instruments. Development Tools and Debuggers, RTOS. CISCO Lab with advanced equipments supporting CCNA and CCNP programs.
- ❖ Good infrastructure and ambiance for effective and comfortable learning experience
- ❖ A content rich Library, Knowledge endorsement to the students with access to all major publications / magazines & online learning materials

Need of the Hour...
...Bridging the gaps, meeting Industry Needs



UTL Association with Sector Skill Councils

UTL Technologies Ltd is associated with Telecom Sector Skill Councils and Electronic Sector Skill Councils to offer various Skill Development training programs. Some of the courses offered through these association are under Star Scheme. Where in participants get 100% scholarship from Government of India.

ESSC

Electronics Sector Skills Councils of India (ESSCI) is a Not for Profit Organization, registered under the Indian Companies Act, 1956.



The Council has been promoted by six Associations i.e. CEAMA, ELCINA, IESA (formerly ISA), IPCA, MAIT & ELCOMA, with financial support by National Skill Development Corporation (NSDC).

ESSCI's focus is on establishing an effective and efficient ecosystem for developing and imparting of outcome oriented skills for the Electronics Systems, Design and Manufacturing Industry (ESDM).

TSSC

The Telecom Sector Skill Councils (TSSC) is a Non-Profit Organization, registered under the Societies Registration Act, 1860.

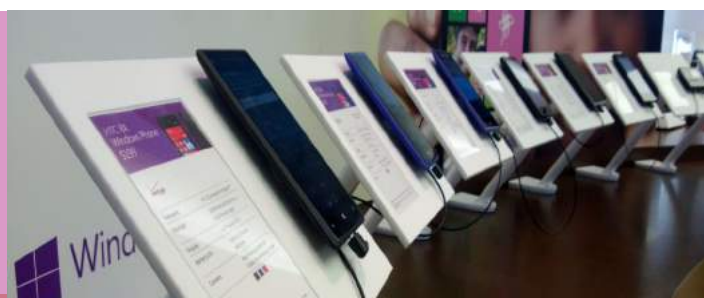


We are an industry led apex body, jointly set up by The Cellular Operators Association of India (COAI), Indian Cellular Association (ICA) & Telecom Centres of Excellence (TCOE) to ensure adequate availability of skilled manpower to boost growth and productivity in the Telecom Sector. Set up under the aegis of the National Skill Development Corporation, SSC has members from the various Telecom industries, Academia, Industry associations (such as COAI, ICA, AUSPI & TAIPA) and representation from the Government (DeitY) as well

UTL Placements and Job Fairs



**UTL Technologies in association with
Electronics Sector Skill Council
and
Telecom Sector Skill Council
offers courses in Manufacturing, Design & Service.**



Our Customer Speaks

“ UTL is one of the best Institute for getting trained and we can learn theory and practical. UTL is maintaining the standards and quality for training ”

N. Ramesh
Embedded Student - TSSDM

“ UTL is providing very good training, best place to learn. Good environment, well equipped classrooms. We improved our technical knowledge under the training of UTL ”

A. Nagesh
Embedded Student - TSSDM

“ UTL is a good Training Institute. UTL gave good practical knowledge to me. I learnt subject, programming and practical. It is a right place to learn practical knowledge with theory ”

G. Sukanya
Embedded Student - TSSDM

“ PMKVY Program conducted by UTL was very good and it was very useful. We could able to use our time to learn something new. Even We had practical session which was full of knowledge, I am happy that I was a part of PMKVY Program ”

Thaseen Banu
PMKVY Program Student

“ The PMKVY training was good, it was very useful, we completed a course of FTNS. They taught about operating system installation, hardware etc. We also had a placement under PMKVY Program ”

Sumalatha
PMKVY Program Student

“ The way of teaching was really good. Activities like quiz programmes, group discussions and seminars were very useful to learn the subject thoroughly and memorize the topics easily “

APARNA RAJ
ASAP Program Student

“ Thank you to MEA for supporting and giving a very good chance to me to be at UTL. This training is very use full for me. I will be able to teach my students about what i have studied here ”

Chakree Teeparavit
Thailand

“ Thank you very much to UTL and MEA, it has been a good experience and learning with this program and i am interested in coming back to upgrade my Knowledge. Thank You UTL and India ”

Wilhelmbolin
Namibia

“After the course from UTL in 2011, I got a job with Karnataka State Wide Area Network (KS WAN) as a Network Engineer. In June 2012 I got the job in Alcatel-Lucent as Network Engineer. After one year at Ericsson I am totally satisfied with my career and looking forward to a bright future ahead. The UTL course paved the way for the career growth in my company through the right practical exposure and the industry-specific case studies.”

Darshan V Joshi
Hubli

“UTL course helped me get a solid path into the industry. My first job was with Infosys as Data Processing Executive and I'm very happy with it. The industry-specific case studies covered and rigorous practical exposure through hands-on labs helped me in my job immensely.”

Chandra Shekar N
Bangalore



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