



Institute of Telecom Technology and Management

(UNIT OF MTNL, DELHI)

Shadipur Telephone Exchange Building, Pandav Nagar, NEW DELHI-110008



ABOUT ITTM

The Institute of Telecom Technology & Management, ITTM (formerly DTTC), Shadipur is a ***state of the art training centre of MTNL, Delhi*** engaged in imparting induction training and short duration trainings to its officers and employees in the field of ***Telecom, IT, Computer systems and Management***.

With impressive growth of telecom sector in India, the requirement of telecom trained personnel is increasing day by day. Realizing this ever-growing demand for telecom personnel, ITTM started training engineering students also as part of their summer training. ***Since 2011 ITTM has trained about 4200 students of various engineering colleges*** as on date.

OBJECTIVES OF ITTM

The main goal of ITTM is to provide ***infrastructure*** and ***facilities*** to the future technocrats of the country by imparting ***summer industrial training and short term technical courses to engineering students*** as a part of corporate responsibility so that their knowledge and skill levels may match the best in the industry.

It also imparts induction training and short duration trainings to its officers and employees in the field of Telecom, IT, Computer systems and Management to enhance their knowledge, skills and attitude to perform in a better and professional way.

ADVANTAGES OF TRAINING AT ITTM

EXCELLENT LOCATION



It is conveniently located near ***Shadipur Metro station*** at Shadipur Telephone Exchange building, Pandav Nagar with ample parking space. It is easily accessible by Metro (Dwarka – NOIDA/Anand Vihar line) & well connected by bus service.

There is ample parking space at ITTM.

STATE OF THE ART INFRASTRUCTURE

ITTM has the necessary infrastructure, technical and academic competence and excellence for providing training in specialized courses in the field of GSM, Broadband Technology, Switching, Transmission, External Plant, IT, Computer systems and Management.

The faculty at ITTM is one of the best and comprises of officers having vast in depth knowledge and practical experience in their respective fields.

It has Well lit, spacious, modern and Fully Air-conditioned classrooms, fully equipped with LCD Projectors and having modern Furniture. In addition, ITTM has two 500 KVA Gen Sets for Uninterrupted Power Supply.



ITTM has well equipped GSM, Transmission, IP Networking and broadband labs to give first hand experience to its trainees.

Students are imparted classroom lectures on the latest in Telecom Technologies and IT followed by intensive field training and exposure to the latest in Telecom Technology. Classroom topics include Introduction to Telephony, Switching Technology, MDF and Protective Devices, Overview of External plant, Transmission basics, Optical fibre systems (SDH & FTTH), Data Communication & IP networks, Broadband concepts, Technology & service aspects, GSM, CDMA & 3G Overview and also HRD topics such as Communication skills, Stress Management & Time Management

In addition to the above courses, ITTM also conducts advanced courses in Basic and Advanced IP Networking covering such topics as OSI, Addresses, Subnetting, Network Elements, Routing Protocols (RIP, OSPF, EIGRP), VLAN, NAT, PAT, ACL, WAN Protocols, IPv6 & WLAN.

ITTM offers courses on soft skills for Personality Development such as Time Management, communication skills, Stress Management & Attitude and Behavioural changes.

Names of a few Engineering Colleges / Institutes from where the students were enrolled at ITTM are:

- Aditya Inst.of Tech Vasant Kunj
- Advance Instt. of Tech & Mgmt, Palwal
- AL-FALAH School of Engg. & Tech,Fdb
- Ambedkar Inst.of Tech.Geeta Colony, Delhi
- Amity School of Engg & Tech, Palam Vihar,Bijwasan, New Delhi
- Amity University , Noida
- Ansal Institute of Technology, Gurgaon
- Aravali College of Engg. & Mgmt Faridabad
- Bhagwan Parshruram Inst.of Tech.Rohini,Delhi
- Bharat Inst.of Tech.Sonipat
- Bharti Vidyapeeth College of Engg. Paschim Vihar, ND
- Coventry University , UK.
- D.I.T.M. Gannaur, Sonipat, Haryana
- DTU Bawana Road Delhi.
- ECHELON Inst.of Tech.Faridabad
- Galgotias College of Engg. & Tech. Greater Noida, U.P.
- Geeta Engg College, Panipat
- Gurgaon College of Engg for Women Gurgaon
- Guru Tegh Bahadur Instt. Of Tech
- H.M.R Instt. of Tech. Hamidpur, N.D.
- IETE Delhi.
- IGIT , Kashmiri Gate , Delhi
- Indian Institute of Technology.
- Inst. Of Tech.& Management ITM Gurgaon

- ITM University, Gurgaon
- Jawahar Lal Nehru National College of Engg.Karnatka
- Jaypee University of IT, Solan,HP
- KIIT College of Engg.Gurgaon
- Lingaya's Instt. of Mgmt & Techgy.,Faridabad
- Lovely Professional University Punjab
- Maharaja Agrasen Institute of Tech, Delhi
- Manav Rachna College of Engg, Faridabad
- MNIT Jaipur.
- Netaji Subhash Institite of Tech,Dwarka New Delhi
- Northern India Engg. College (NIEC) Shastri Park,Delhi
- P.D.M College of Engg. Bahadurgarh
- Punjab College of Engg.& Tech. Mohali
- Raj Kumar Goel Institute of Technology for Women , Ghaziabad
- Sharda University Greater Noida
- SRM University, Modinagar, Ghaziabad.
- VIT Vellore.

Please note that this list is not exhaustive but lists only some of the Engineering colleges from where students were enrolled at ITTM for Industrial Training.

Industrial Training (Summer & Winter)

Students are imparted classroom lectures on the latest in Telecom Technologies and IT followed by intensive field training and exposure to the latest in Telecom Technology. Classroom topics include Introduction to Telephony, Switching Technology, MDF and Protective Devices, Overview of External plant, Transmission basics, Optical fibre systems (SDH & FTTH), Data Communication & IP networks, Broadband concepts, Technology & service aspects, GSM, CDMA & 3G Overview and also HRD topics such as Communication skills, Stress Management & Time Management

- In addition to the above courses, ITTM also conducts advanced courses in Basic and Advanced IP Networking covering such topics as OSI, Addresses, Subnetting, Network Elements, Routing Protocols (RIP, OSPF, EIGRP), VLAN, NAT, PAT, ACL, WAN Protocols, IPv6 & WLAN.
- ITTM offers courses on soft skills for Personality Development such as Time Management, communication skills, Stress Management & Attitude and Behavioural changes.

FIELD TRAINING AT MTNL

The field exposure at MTNL is unique since no other Company can match the Infrastructure of MTNL. Students are offered field training at any location / Exchange based on their preferences and the desired field. Students get the opportunity to visit & have hands on training on the latest in Telecom Technology & IT.



ITTM INFRASTRUCTURE

A brief description of its infrastructure is given as under:

Transmission Lab



- Spacious and Air-conditioned Lab for Splicing.
- Live STM-1 Nodes for hands on training on configuration of SDH Systems on LCT
- **FTTH OLT** Node for live demonstration
- Testing instruments like PDH & SDH Analyzer
- Splicing machines
- OTDR
- Power Meter & source
- Variable Attenuator

IP Networking Lab

- 7 CISCO Routers of different Series
- 24 Port Switch
- PCs with Latest Configuration
- MPLS, ISDN & Broadband Connectivity
- One Set of 10 KVA UPS

GSM Lab

- Micro BTS 2G
- 3 G BTS (Node B)
- Ready to Impart Training on Components of BTS, Accessing of BTS and
- Alarm Identification at BTS

Broadband Lab

- DSLAMs of Ericsson, Huawei & Alcatel & Tier-2 Switches & BRAS of different makes available.
- Lab is Equipped with PCs Connected through Switch
- All make of MTNL Modems Available for Configuration Practice
- Training on Broadband and IP TV Troubleshooting
- Special Training on Wireless Modems
- PEM & NMS for Network Monitoring



Switching Lab

- OCB-283 switch subscriber rack
- EWSD switch
- **External Plant Lab**
- **LINUX/UNIX Lab**
- **PC Lab**
- **Library**

Additional Infrastructure

- Working Exchange (OCB-283 switch)
- MDF
- Power Plant
- Transmission room
- Battery room
- Power backup for uninterrupted power supply through 500 KVA Gen sets