



Institute of Telecom Technology and Management

(A Unit of MTNL, Delhi)

Shadipur Telephone Exchange Building, Pandav Nagar, New Delhi-110008

Summer Industrial Training 2019-20 for Engineering Students

ITTM, Delhi conducts Industrial Training Program of Four weeks/ Six weeks/ Eight weeks and Six months duration for B.E./B.Tech/ Diploma students in ECE and CS & IT Streams during Summer and winter every year.

Registration for the same is open from 04 April 2019 at ITTM, Delhi.

Details of Summer Industrial Training 2019-20 at ITTM

- Name of the Course** : *Summer Industrial Training for Engineering Students*
(ECE and CS & IT Streams)
- Duration** : Four Weeks/Six Weeks/ Eight weeks/ Six months
- Who can apply** : Students of B.E./B.Tech engineering/Diploma in the disciplines of:-
 - Electronics & Communication Engineering
 - Electrical & Electronics Engineering
 - Electronics & Instrumental Engineering
 - Computer Science Engineering
 - Information Technology Engineering
- Selection Criteria**: Candidates will be selected on first come first serve basis by ITTM (Seats are limited).
- Course Fee**:

		Electronic and Communication Industrial Training Course	For IT and CSE Industrial Training Course
S. No.	Duration of Course	Fee Charges (excluding GST)*	Fee Charges (excluding GST)*
1	4 Weeks	7,000/-	Not available at present
2	6 Weeks	8,000/-	10,000/-
3	8 Weeks	9,000/-	12,000/-
4	6 Months	12,000/-	15,000/-
5	6 Weeks (Diploma Stream) (Classes for this batch will be on Alternate Days)	4,000/-	5,000/-

* GST as per rule will be charged in addition to above charges. At present GST applicable is @ 18%

Note: 1. For students registering upto 30th April for Summer training and 30th Nov for winter Training , a flat 10% discount shall be given.

2. Special concession for Meritorious Students will be given (For First 15% , For Second 10% and for Third 05%) . For this concession the student has to provide a certificate issued by the institute regarding Rank during last semester attended.

3. There are concessional fee charges for wards of MTNL/BSNL/DOT working employees. Please contact ITTM for the same.

4. Rebate in training charges are offered in case students are deputed in groups by the Institute. Rebate @ 10 % if minimum 10 candidates are registered in group by the Institute and @ 20 % if minimum 25 candidates are registered in group by the Institute.

7. **How to apply:** The registration form ([click for Registration Form](#)) duly filled (in triplicate) **along with following documents** is to be submitted in person at Institute of Telecom Technology and Management, Sanchar Haat, Ground Floor, Shadipur Telephone Exchange Building, Pandav Nagar, Delhi-110008.

(i) Three passport size photos (one should be pasted on Registration form)

(ii) Training letter issued by college/Institute or photocopy of Identity Card issued by college/Institute.

(iii) Demand Draft of requisite training fee to be drawn in favour of "**MTNL, Delhi**" payable at Delhi.

Fee can be deposited by Cash also.

NOTE: Completed registration forms (in triplicate), along with required documents as mentioned above and Demand Draft of requisite fees can also be sent by Registered Post/Speed Post addressed to " General Manager (Training), ITTM, Shadipur Telephone Exchange, Pandav Nagar, Delhi-110008".

8. **Registration Forms:** Registration forms can be downloaded from the following link or can be collected in person from Sanchar Haat, Shadipur Telephone Exchange, Pandav Nagar, Delhi-110008 from 10:00 hrs to 16:00 hrs on all working days. For any information please contact on phone number 011-25700122 / 011-25700123/011-25708092 or email id smtrg3@bol.net.in.

[Click to download application form](#)

9. **Number of seats:** 24 seats available per batch in IT and CSE Stream and 50 per batch for ECE stream.

10. **Contact Persons:** For detailed information, Students can contact on phone numbers 011-25700122 from 10:00 hrs to 17:30 hrs on working days or can contact the following officers:

(a) Sh. Ajay Kumar, SDE(Trg)
Contact No. 9868138787

(b) Ms Rajni Rohilla, SDE(Trg)
Contact No. 9013137779

11. **Important Dates:** Registrations commence from: 04-April-2019

For batch details click <http://itmtm.mtnldelhi.in/Batch2019.pdf>

* **Date and Timing (Forenoon or Afternoon Shift) of commencement of training of any batch may be changed by ITTM before starting the batch.**

12. **ITTM will award certificates to trainees on successful completion of the course.**

Industrial Training Course in IT and CSE

Training in "IT and CSE Industrial Training" Course contains following topics

1. Course in Networking covering the following topics:
 - Networking Basics and Cabling
 - OSI and TCP/IP Model.
 - Router Hardware & CISCO IOS
 - IP Addressing, Sub netting and Super netting.
 - Routing basics and routing protocols.
 - ACL, NAT/PAT, DHCP
 - Switching and VLAN
2. Practical Configuration on physical routers.
3. Broadband N/W architecture
4. Wireless LAN
5. Familiarization with IP Version 6.
6. UNIX & ORACLE familiarization.
7. Cryptography and Network Security.
8. Visit to operational MPLS NGCN network, IT Nodes, Data Centre and telecom installations.
9. To improve the soft skills of students some personality development topics will be covered like Time Management, Development of Communication Skills, Facing the interview etc.
10. Extensive coverage of above topics in class room at ITTM will be followed by field visit/training.

Industrial Training Course in ECE

Training in "Electronic and Communication Industrial Training Course" contains following topics:

1. Basic Telephony Technology.

- Power Plant in Telephone Exchange.
- MDF and Various types of Copper U/G cables.

2. Switching Technology.

- PSTN Switching concepts & Various Switching Technologies in MTNL
- Call processing & various types of Signalling including CCS7
- Basic concepts of Traffic Engineering
- Familiarization with modern digital switches.

3. Transmission Technology

- Various Transmission media
- Optical Fibre cables as Transmission media
- Various Transmission Systems & Networks
- PDH, SDH & WDM Concepts
- OFC Splicing
- FTTH Architecture & Installation

4. IP Networking Basics , IPV4 , IPV6 , MPLS

5. Broadband Technology

- BB Concepts and Network Architecture
- Various Modem configuration (including wi-fi modems)
- Network Monitoring using NMS/PEM
- Trouble shooting & speed issues in BB.

6. Wireless Technology

- GSM Concepts and System Architecture.
- Evolution of Wireless Technologies
- GSM Spectrum & Network Architecture
- BTS and Node B Overview
- GSM Logical Channels and Call Processing.
- GSM and 3G security
- CDMA Overview
- 3G Concepts and Working
- Advancements in Wireless Technology

Extensive coverage of above topics in class room at ITTM will be followed by field visit/training.