PLACEMENT BROCHURE

Bharti School of Telecom Technology & Management

IIT DELHI
From the Head's Desk

The M. Tech. program in Telecom Technology and Management is a unique program run by the Dept. of Electrical Engineering, Dept. of Computer Science and the Dept. of Management Studies. The curriculum is specially designed to make the students well prepared for industry while ensuring a strong background in telecom. Besides telecom technology, rigorous training is provided to the student to make them capable to adapt to the prevalent industry demands. The state-of-the-art labs and the research environment provided by the school makes this a very popular course among the students of IIT Delhi.

Our Vision

To contribute to India and the World by developing Telecom Leaders of tomorrow through excellence in Education and Research.

Our Mission

To develop human potential to its full extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.
The new revised school curriculum provides the students opportunities to specialize in various topics through choice of streamed electives. Students benefit from courses in cognate departments (computer science, electrical engineering and management).

### Department of Electrical Engineering
- Signal Theory
- Digital Communications
- Embedded Systems
- Telecom Technologies
- Analog Integrated Circuits
- Synthesis of Digital Systems
- Computer Networks
- Digital Signal Processing
- Mathematical Foundations of Computer Technology
- Computer Vision
- Mobile Computing

### Department of Computer Science
- Operating Systems
- Data structures & Algorithm
- Computer Architecture
- Machine Learning
- Big Data Analytics
- Cloud Computing
- Internet Technology
- Advanced Machine Learning
- Database Implementation
- Graph Theory
- Network and Systems Security

### Department of Management Studies
- Telecom Systems Management
- Telecom System Analysis and Design
- International Telecom Management
- Marketing Management

### Major Laboratories
- Telecom Software Lab
- Telecom Network Lab
- Digital System Lab
- Wireless Research Lab
- Computers Network Lab
- Internet Of Things (IoT) Lab
- Pervasive Telecom Lab
TELECOM SOFTWARE LABORATORY

This Lab is to facilitate students in electronic system development using various programming languages and software development tools such as C, C++, JAVA, Python, Shell Scripting, Network programming, Tcl/Tk, LaTeX, CVS etc.

Facilities:

- **OS**: Linux - Ubuntu 14.04, Solaris, Windows 7
- **Simulation**: Ptolemy, NS, Opnet*, RSoft, Optiwave*, Commsim
- **VHDL**: VHDLStudio (GreenMountain)
- **Embedded Systems**: Rabbit, Bochs/IA-32 Emulator, Intel IXP4xx
- **IDE**: Anjuta, Eclipse, SN, Forte/Netbeans
- **UML/SDL**: Poseidon, Telelogic*, Rational
- **Requirement Management**: Telelogic/DOORS
This Lab is to facilitate students in development, simulating and testing tools such as LabView, RTOS, NI-CRIO, Commsim, Wireshark, ISDN Simulator, NS2 etc.

**Available Kits:** Virtex-II Pro, Spartan, Raspberry Pi, Arduino etc

**Facilities:**

- 100 Mips Microcontroller Development Kit
- ISDN Simulator
- GPS Modules
- Flash Based FPGA Kit
- Intel processor Rabbit Kits - RCM 3000
- Tool kit with Dynamic C-premier
- Altera Kits
- Xilinx University Program - V-II P Kits
- Entrasy network switch SC105
**Wireless Research Laboratory**

This Lab is to expose students to the practical experiments in Wireless Communication and application development based on it.

**Available Kits:** Software Defined Radio(s) (SDRs), OpenBTS (2G Base Stations) and all kinds of antennas

---

**Internet of Things (IoT) Lab**

With increase in machine to machine communication, IoT along with virtualization technology, aims to establish -

- A heterogeneous network where any device can plug in and starts using the services hosted by cloud service provider.

- Main research area is implementing a generic protocol where any remote device like smart car, smart phone, industrial instruments like sensors, etc. can connect to cloud server and can be managed centrally. Besides this a smart building concept will be developed utilizing location sensors and smart devices.
Students at Bharti School have a rigorous curriculum that enables them to pursue projects in variety of domains. The ongoing projects of batch 2016-18 are:

**Embedded Systems**
- Development of healthcare systems and healthcare analytics
- Impulsive noise characterization in high speed DSL
- Design of ultra-smart Embedded Router
- E-monitoring of health of Data Centre

**Networking/Software**
- Network virtualization in cloud (BAADAL)
- Security and Authorisation frameworks in cloud (BAADAL)
- Cross-site scripting and SQL Injection attacks
- Bio-inspired algorithms for network congestion control
- Cognitive Radio Networks
- OpenBTS Kit (2G) applications

**Communication & Signals**
- Path Selection Scheme in Powerline Communication
- Object Classification pipeline
- Intelligent object abandonment detection system, video assessment
- Co-phasing in underlay Cognitive Radio

**Analytics**
- Big data analytics using Apache hadoop
- Predictive analytics using R language
- Alzheimer's Analysis using Machine Learning
Placement Statistics

2015-17 Batch Statistics:
1. Saurabh Kapoor
2. Kuber Yadav
3. Diksha Bansal
4. Farhan Khan
5. Amit Shah
6. Anubhav Somvanshi
7. Aman Bhatt
8. Om Jadhav
9. Swati Khatkar
10. Rohit Tapikar

Intel
Cypress Semiconductor
Qualcomm
Uhuru Corp.
Tejas Networks
C-DAC
C-DAC
C-DAC
CRL
HSBC Analytics

2016-2018 Batch Statistics:
1. KARAN SAXENA Texas Instruments
2. HARSHAL KUMAR YAGNIK Qualcomm
3. MOUNIKA KUSUNURI Qualcomm
4. AKARSH AGRAWAL Intel
5. NITIN GARG Intel
6. TANYA BANSAL Intel
7. JYOTIRMAY MAITY Intel
8. DHEERAJ KUMAR Accenture
9. MADHAV BHATT Marvell Semiconductors
10. ABHISHEK MISHRA Intel
11. ANANT KHANDELWAL Telstra Corporation

- **Highest Salary Accepted**: 19.5 Lacs
- **Average Salary Offered**: 15.65 Lacs
- **Lowest Salary Offered**: 8 Lacs

All Salary figures mentioned are in INR (Lacs per annum)
Past Recruiters

- Cisco
- Oracle
- Qualcomm
- Citicorp
- Intel
- Ericsson
- Airtel
- NVIDIA
- Bloomreach
- Samsung
- Sandisk
- Texas Instruments
- Broadcom
- HP
- C-DOT
- One97
- IBM
- Accolite
- Reppify
- SCA Technologies
- HT Media
- Cognizant
- Reliance
- Verizon
- ONICRA
- Infosys
- Tata Consultancy Services
Contact Information

Training & Placement Cell

Prof. I. N. KAR  
Professor-in-charge  
Training and Placement Cell  
hodtnp@admin.iitd.ernet.in  
Phone: 011-26591731/32

Ms. Anishya Madan  
Industrial Liaison Officer  
Training and Placement Cell  
placement@admin.iitd.ac.in

TnP Website: http://tnp.iitd.ac.in

Bharti School of Telecom Technology & Management

Dr. Brejesh Lall  
HEAD  
brejesh@ee.iitd.ac.in  
Phone: 011-26591068

Dr. Harshan Jagadeesh  
TNP COORDINATOR  
jharshan@ee.iitd.ac.in  
Phone: 011-26597362

Bharti Office

Ms. Vinita Yadav  
Room No.: 102, II-A Bharti Building, IIT Delhi  
bhartischooloffice@gmail.com  
Phone: 011-26596200

Induru Sunil Reddy  
STUDENT COORDINATOR  
sunil1468@gmail.com  
+91-9599127889

Bharti Website: http://bhartischool.iitd.ac.in