

Telecom Sector Skill Council

EMPOWERING THE NATION'S DIGITAL FUTURE

TELECOM SECTOR SKILL COUNCIL

TSSCINDIA.COM | TELCOJOBS.IN | TELCOLEARNING.COM

About Us

Telecom Sector Skill Council (TSSC) was established as a Society on 8th January 2013 and transitioned into a Section 8 Company under the Companies Act, 2013, effective 21st August 2026. An autonomous body under the Ministry of Skill Development and Entrepreneurship (MSDE), TSSC is jointly established by COAI, ICEA, and NSDC to strengthen India's telecom and digital communications workforce.

16 Lakh+
Lives Impacted

50+
NSQF Aligned Courses

1000+
Training Centers

6000+
Certified Trainers

Pan India Presence
28 States **| 500+** Districts

Initial Directors TSSC Board | Section 8



Mr. Akhil Gupta
Chairman | Director



Mr. Pankaj Mohindroo
Director | Member



Mr. Manoj Kr Singh
Director



Lt Gen K H Gawas, PVSM, VSM (Retd)
CEO | Director

TSSC's Vision

To develop a world-class skilled workforce capable of meeting the current and emerging demands of the industry across the complete spectrum of the rapidly evolving telecom sector.



(In-Service of the Nation since 2013)

TELECOM SUB SECTORS

SERVICE SEGMENT

Mobile services such as prepaid and postpaid plans, data-only options, and voice or messaging services. Fixed-line services like traditional landlines and VoIP. Broadband options include DSL, fiber optics, cable, and satellite internet, meeting the demand for high-speed connectivity.

DEVICES & MANUFACTURING

Consumer devices include smartphones, tablets, and wearable tech like smartwatches. On the enterprise side, equipment such as routers, switches, antennas, and PBX systems are essential for managing internal communication networks.

PASSIVE INFRASTRUCTURE

This segment covers the physical backbone of telecom, including wireless infrastructure like cell towers, base stations, small cells, and DAS (Distributed Antenna Systems). Wired infrastructure involves fiber-optic cables and legacy copper networks. Data centers and edge computing hubs are critical in supporting communication and cloud services.

NETWORK SERVICES

The rollout of 5G networks is revolutionizing connectivity with enhanced mobile broadband, ultra-low-latency communication, and support for massive IoT networks. AI, automation, and machine learning are being integrated into network management and customer services.

SEMICONDUCTOR & NETWORK CHIPS

Semiconductors power smartphones, tablets, wearables, routers, and telecom infrastructure. These include application processors, modem chips for 4G/5G, and ASICs or FPGAs in base stations and 5G towers. They manage tasks like computing, connectivity, data transmission, and power efficiency.

DRONE TECHNOLOGY

Drone technology supports tower surveys, fiber deployment, and maintenance with reduced cost and risk. Drones enhance connectivity planning through aerial mapping and real-time data collection. They play a key role in expanding 5G and rural broadband by accelerating deployment efficiency.

CIRCULARITY

Focuses on creating a zero-waste, sustainable ecosystem through e-waste management, component reuse, equipment refurbishing, and battery recycling across telecom networks and consumer hardware.

NICHE TECHNOLOGIES

Encompasses specialized, next-generation skill domains like Data Centres, Cloud, Cybersecurity, AI, Quantum Computing, Satcom and Subsea Cabling.

QUALIFICATION PACKS

SERVICE

1. Call Center Executive (14)
2. Field Sales Executive (14)

HANDSET

3. Android Application Technician – Telecom Devices (17)
4. In-Store Promoter (14)
5. Distributor Sales Representative (14)
6. Telecom Customer Care Executive - Repair Center (15)
7. Line Assembler - Telecom Products (15)
8. Hand Soldering Technician - Telecom Boards (15)
9. Surface Mount Technology (SMT) - Telecom Technician (18)

SUSTAINABILITY – GREEN TELECOM

10. Telecom E-Waste Handler (14)

PASSIVE INFRASTRUCTURE

11. SATCOM Operation Technician (19)
12. Telecom Electrician (Basic) (13)
13. Telecom Electrician (Advanced) (15)
14. Broadband Technician (15)
15. Optical Fiber Splicer (13)
16. Optical Fiber Technician (16)
17. Infrastructure Technician-5G Networks (17)
18. Telecom Tower Site Maintenance Technician (17)
19. Wireless Technician (17)
20. Fiber Installation, Testing Technician (17)
21. Fiber to-the Home (FTTH/X) Installer (15)
22. Telecom Rigger - 5G and Legacy Networks (14)
23. Broadband Network Technician (20)
24. ICT Network Infrastructure (17)

MICRO CREDENTIALS

25. Height & Rescue Training (HART) (0.5)
26. Rope Operations, Tactics and Rescue (ROTAR) (2)
27. WeCare- Electrical Safety (Telecom Equipment) (0.25)

NETWORK MANAGED SERVICES

28. In-Building Wireless Solution (IBS) Technician (14)
29. Telecom Technician - IoT Devices/Systems (17)
30. Optical Network Terminal Technician (17)
31. Telecom Field Operations Coordinator (21)
32. Technician 5G - Active Network Installation (17)
33. Project Supervisor - 5G Networks (17)
34. Machine Learning (ML) Telecom Architect (18)
35. Technician - Last Mile Active Network (15)
36. Smart Devices Installation Operator (13)
37. AI & ML – Jr. Telecom Data Analyst (15)
38. IoT Installation Solution Architect (18)
39. Network Cloud– Jr. Architect (16)
40. IoT Technical Service Operator (13)
41. Wireless Network Technician (20)
42. IT Network System Administration (15)

ENTREPRENEURSHIP

43. Handheld Devices Technician (16)
44. Telecom Grameen Udhyami (20)

SEMICONDUCTORS

45. Reliability & Quality Control Manager (22)
46. Substrate Design and Process Manager (20)

DRONE TECHNOLOGY

47. Dron-o-Grapher (14)
48. Drone Data Processor (18)
49. Drone Monitoring and Maintenance Associate (13)
50. Drone - Based Telecom Operations Manage (18)
51. Telecom Infrastructure Inspection Engineer (Drone-based)(19)
52. Radio Frequency Engineer – Drone-Based Surveys (19)

*Under the **New Education Policy**, every **Qualification Pack carries credits** that can be added to the **Academic Bank of Credits**. The credits are shown in **(brackets)** next to each Qualification Pack.*

Our Spectrum of Activities

GOVERMENT SCHEMES

TSSC implements skill development initiatives under the **Ministry of Skill Development and Entrepreneurship (MSDE)**, the **Ministry of Electronics and Information Technology (MeitY)**, the line ministry, the **Department of Telecommunications (DoT)**, and various **State Skill Missions**, empowering youth with industry-relevant skills and bridging the demand–supply gap across India's rapidly evolving workforce.

CSR/COE

TSSC builds capacity through **Centres of Excellence** with advanced labs for training in emerging technologies. It also partners with leading organizations on CSR initiatives to promote skill development and livelihood enhancement.



CORPORATE BESPOKE PROGRAMS

TSSC delivers a comprehensive range of skilling solutions, including **Recognition of Prior Learning (RPL)** under government schemes, and customized corporate trainings like **HART, ROTAR, and WECare.** Our industry-certified trainers provide flexible learning formats and hands-on experience to help teams in the telecom and technology sectors stay competitive and future-ready



GLOBAL PARTNERSHIP

TSSC cultivates global partnerships, collaborating with bodies such as **MICT SETA South Africa** to enable knowledge exchange, advanced skilling, and cross-border opportunities that strengthen the international telecom ecosystem.

PLACEMENTS | APPRENTICESHIP

TSSC, under **PM NAPS**, drives telecom apprenticeships and placements through **TelcoJobs.in**, equipping youth with industry-relevant skills and practical training while bridging the demand–supply gap for employers and industries.

DIGITAL SKILLING | TELCOLEARNING.COM

TelcoLearning.com is an **eLearning** platform by TSSC with the vision to make skill development more innovative and accessible. Courses are focused on digital technology and **Industry 4.0 skills** essential in today's rapidly evolving digital landscape.

Principal Partners

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