

# KAUSHAL किरण

DECEMBER 2024 | NEWSLETTER



## WELCOMING 2025!

Dear Readers,

As we reflect on 2024, we celebrate a transformative year for the skill development ecosystem. The Telecom Sector Skill Council (TSSC) empowered India's youth through impactful skilling and upskilling programs under the Skill India Flagship initiative, hands-on training in state-of-the-art labs, and partnerships with leading organizations. This year TSSC dived deeper in skilling in emerging technologies like Cyber Security, O-RAN, 5G, IoT, Cloud Computing, and Semiconductors.

Looking ahead, 2025 promises even greater opportunities. TSSC is set to expand its reach with innovative CSR projects, enhanced Centers of Excellence, bespoke training programs for corporates, and a strong partnerships to address industry demands and create a more skilled workforce.

Thank you for your invaluable support in this journey. Together, we can make 2025 even more remarkable.

Let us join hands to Connect the Unconnected.

**Wishing you a Happy New Year!**

From the Desk of CEO  
**Telecom Sector Skill Council**

# A YEAR IN REVIEW 2024

TELECOM SECTOR SKILL COUNCIL

## 70,000+ YOUTH TRAINED

TSSC trained 70k+ aspiring Indians in 60+ qualification packs, aligned with NSQF.

These trainings were done under the Skill India Mission, CSR projects, ESDM and industry led projects.

## 50,000+ JOBS OFFERED

TSSC placed more than a stark 50,000+ aspirational Indians this year, in more than 200 companies through Job Fairs and TSSC's job platform TelcoJobs.in. Together, we're shaping futures, creating opportunities, and seamlessly bridging the industry's talent gap.

## 10,000+ DIGITAL LEARNING

Through our eLearning platform "TelcoLearning.com" and Skill India Digital Hub, we enrolled 10,000+ learners.

With tech such as IoT, 5G, Drone Technology and more!

## PMKVY प्रधानमंत्री कौशल विकास योजना TELECOM

TSSC empowered 12,000+ candidates in 5G, Optical Fiber and other telecom skills under Special Project - PMKVY 4.0 with industry partnership.



## CORPORATE SOCIAL RESPONSIBILITY

Telecom Sector Skill Council executed 4 active projects under CSR skill development, namely with Ericsson, Vodafone Idea, Nokia and Rotary District 3011 across the nation.



TSSC's Project with the Ericsson India won Silver in the Social Initiative - National Category at The Changemaker Awards 2024 for our impact in establishing and training at the 'Center of Excellence' at DSEU, Delhi.



## SEMICONDUCTORS

TSSC has actively contributed to the 'India Semiconductor Mission' this year by developing Qualification Packs (QPs) tailored to essential skills in semiconductor fabrication and development.

We have successfully launched six QPs as an initial step, with plans to expand further.

- **Wafer Processes**
- **Substrate Design and Processes**
- **Quality and Reliability**

As the official **Skilling Partner at IMC 2024**, TSSC showcased groundbreaking initiatives, strategic collaborations, and a forward-looking roadmap for skilling and innovation in the telecom sector.



TSSC hosted a panel discussion on "**Skilling for a Connected Future – Connecting the Unconnected**". Esteemed leaders from the industry, government and academia explored the evolution of skill development, the critical roles played by various stakeholders, and emerging trends that will shape the future of the sector.



# INDUSTRY READY PROGRAMS

TSSC recognizes the critical need for “Industry-Ready” workforce upskilling in today’s evolving telecom landscape.

**In response, we have introduced three specialized micro-credential training programs tailored for companies in the Telecom Infrastructure sector, focusing on Safety—a vital aspect of operations.**

## **Industry Ready with Micro-Credentials.**

Aligned with the NSQF framework, micro-credentials provide a fast, flexible, and customized approach to workforce development. By adopting these programs, organizations can co-develop a customized credential and certify their workforce, meeting industry demands with agility.

**1M+**

TRAINED YOUTH

**1000+**

TRAINING CENTERS

**60+**

INDUSTRY READY SKILLING COURSES

## **Rope Operations, Tactics and Rescue (ROTAR)**

This course covers about gain access to difficult areas of height and confined space using ropes and associated equipment. This role involves performing a wide range of repair, maintenance, and inspection tasks across various industries, including telecom, offshore oil and gas, renewable energy, power and petrochemical, shipping, and harbors.

**60 Hours**

## **Height & Rescue Training (HART)**

This course is designed to provide training in Rope Tactics which includes rescue from heights in an industrial environment. It qualifies the learners to perform various tasks on ropes for at-height works and rescues in a safe manner. This course focuses on developing capability as a Team Rescuer. Formulated as per NFPA 1670 & NFPA 1006.

**15 Hours**

## **WeCare- Electrical Safety (Telecom Equipment)**

The individual in this job role is responsible for ensuring electrical safety across all telecommunications equipment installations and operations. This role involves developing, implementing, and overseeing electrical safety policies, standards, and procedures specific to tower-based telecommunications installations.

**7.5 Hours**

Telecom Sector Skill Council is addressing the need of businesses to upskill their workforce quickly and effectively.

## **Adopt TSSC’s Industry Ready Programs**

- **Build a bespoke Curriculum:** Build a Micro-Credential, aligned with the National Standard Qualification Framework (NSQF), a customized training program for your operations.
- **Program execution by TSSC :** TSSC implements the program through its extensive network of expert trainers and training centers, in a customized timeline.
- **Skill India Certifications and Credits:** Under the guidance of NCVET, Telecom SSC will certify the trainees, recognizing them as industry-ready professionals, and ready workforce.

**100+**

MASTER TRAINERS/  
INDUSTRY EXPERTS

**700+**

DISTRICTS COVERED

Explore Industry Programs today:  
[sumit.munjal@tsscindia.com](mailto:sumit.munjal@tsscindia.com)

**December 2024 :Department of Telecommunications & TSSC held Division Meetings for the states of Madhya Pradesh, Chhattisgarh, Maharashtra and Gujarat:**

'Division Meeting of the Department of Telecommunications ( DOT )' by MP LSA, Bhopal, a transformative session under the esteemed chairmanship of Shri Rohit Sharma ji (ADG Services, DoT) and Shri Pankaj Kumar ji (DDG, DoT), alongside key stakeholders of Madhya Pradesh & Chhattisgarh.



TSSC participated in pivotal discussion by Mumbai LSA Department of Telecommunications ( DOT ) under the leadership of Shri Rohit Sharma ji (ADG Services, DoT) and Shri Pankaj Kumar ji (DDG, DoT), alongside stakeholders from the Maharashtra and Gujarat government, industry and academia.

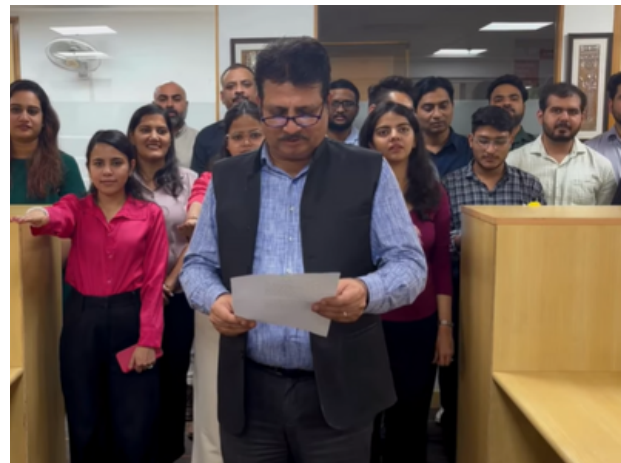
The discussions steered to an aim to unite all state industry, academia and governing bodies to empower youth with skills and make India a global leader in 6G technology.



**15-18th October, New Delhi:** Mr. Praveen Sirohi, Chief Executive Officer (Interim) at Telecom Sector Skill Council (TSSC) spoke at the Valedictory Session panel at ICCI 6th National Education Excellence Conclave on 5th December 2024 on the "Need and ways of Integrating Skilling and Technology in Education".



**November 2024:** On Rashtriya Ekta Diwas, Telecom Sector Skill Council (TSSC) commemorates this day with a pledge that signifies our commitment to a united and skilled India. Together, we honor Sardar Vallabhbhai Patel's vision of a #unitednation, committed to empowering our workforce and bridging the gap between skills and opportunities.



# PLACEMENTS IN 2024

**50,000+**  
PLACEMENTS

**120+**  
JOB FAIRS

**1.2L+**  
REGISTRATIONS  
TELCOJOBS.IN

**90,000+**  
JOB  
AGGREGATION

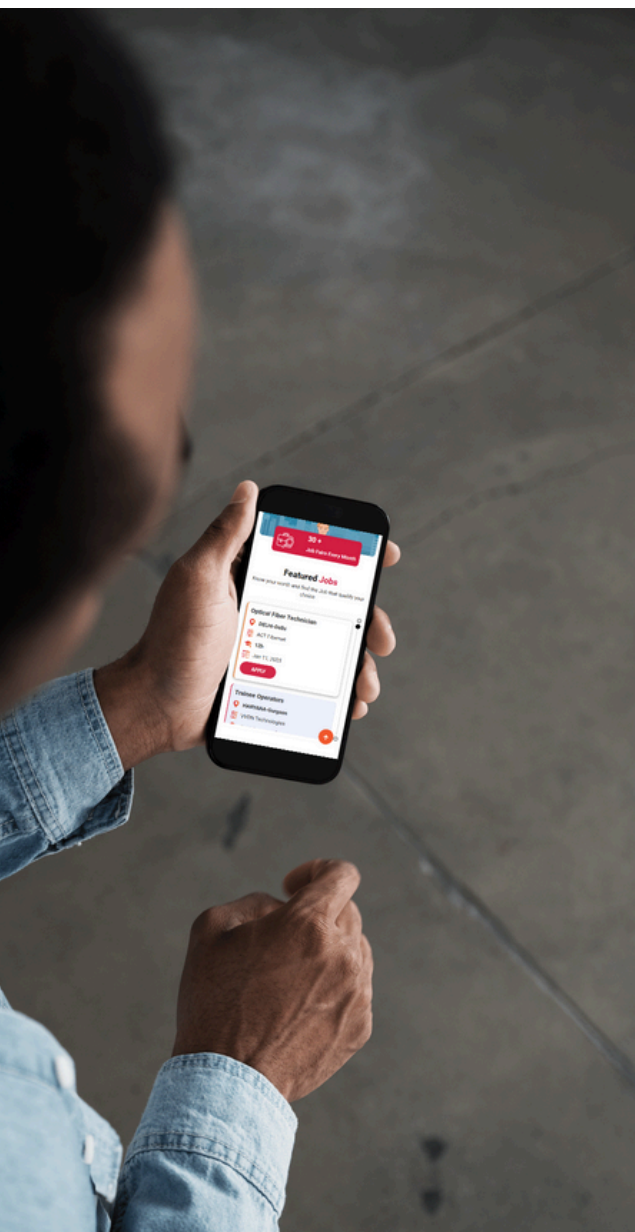


**Ahmedabad, Gujarat:** Telecom Sector Skill Council participated in the Job Fair at the District Employment Office, Shahibaug, Ahmedabad, on December 27, 2024. Out of 173 attendees, 54 skilled candidates secured roles in Customer Service, Tele-calling, Line Assembly Operations, and Business Development. We thank Qess Corp, Sodexo India Pvt. Ltd., and Manpower Group for their invaluable support in recruiting top talent!



**December 2024:** TSSC participated in the "Swami Vivekananda Aajeevika Mahotsav" Job Fair, by the Saksham Bharti Foundation on 22nd December 2024 in Bhaskaracharya College of Applied Sciences (BCAS), Delhi

We extend our gratitude to Excitel Broadband, Tyagi Infosys, Pace Setters, and Lion Engineering Consultants for their efforts in recruiting talent for broadband and data sales, as well as BPO roles.



# EXPERT SPEAKS: THE 5G RIPPLE EFFECT: INNOVATION, JOBS, AND REGIONAL DEVELOPMENT

5G is transforming industries like healthcare, agriculture, manufacturing, and education by enabling advanced applications powered by IoT, AI, cloud, edge computing, and AR/VR. From smart factories to telemedicine, 5G integration is driving innovation, creating jobs, and fueling industrial growth worldwide.

As these next-generation technologies reshape the landscape, they demand skilled professionals to develop, deploy, and maintain them. India, a leader in this transformation, demonstrates the wide-ranging socio-economic impact of 5G on industries, communities, and the workforce. 5G's ripple effect is particularly evident in workforce development and regional growth, laying a strong foundation for continued progress and 6G readiness.

## **The Synergy Between Workforce and Innovation**

Workforce development and innovation are deeply interconnected. The integration of 5G is accelerating innovation and creating unprecedented demand for skilled professionals. For instance, private 5G networks in healthcare can reduce downtime by 50% while generating roles in network design and management. By 2030, 5G-enabled technologies are projected to boost labor productivity by 20%, underscoring the critical link between skills and innovation.

## **ABOUT THE AUTHOR**

**Mamta Yadav** is the Director of Talent Acquisition at Amantya Technologies, bringing over 16 years of diversified experience in recruitment and talent management. Her expertise spans high-volume, niche, and leadership-level hiring across IT and non-IT sectors, with a specialized focus on the telecom, product, analytics, AI, and startup domains.

At Amantya Technologies, Mamta's in-depth knowledge of IT and telecom hiring strategies is instrumental in building strong talent pipelines and sourcing top-tier professionals. Her proven ability to align recruitment practices with organizational goals ensures the company attracts the best talent to drive innovation and success in the highly competitive telecom and technology sectors.

Her comprehensive skill set includes recruitment planning, technology hiring, executive search, stakeholder engagement, and end-to-end talent acquisition, making her a powerhouse in the industry.

### **Mamta Yadav**

Director of Talent Acquisition  
Amantya Technologies



India's telecom sector, contributing 6.5% of the nation's GDP, faces a pressing demand-supply gap of 2.41 million skilled professionals, which could grow significantly by 2030.

Reports estimate India will require 22 million skilled workers in 5G-centric fields like cloud computing, robotics, and IoT by 2025. Initiatives focused on rural 5G expansion are expected to create 50,000 additional jobs in the short term, emphasizing the technology's role in bridging socio-economic divides.

### **Bridging the Skills Gap**

To address this demand, India is investing in large-scale skill development programs:

- **5G Labs:** A landmark initiative establishing 13 labs across India, including eight in the underserved Northeast region, to train thousands of students and professionals in advanced technologies.
- **Government Programs:** Schemes like 'Skill India' and 'Pradhan Mantri Kaushal Vikas Yojana' equip the youth with telecom-specific skills.
- **Industry-Education Partnerships:** Collaborations between telecom firms and academic institutions are creating Centers of Excellence to prepare job-ready graduates

## **Paving the Way for 6G**

India's rapid 5G adoption is not just creating immediate opportunities, but also laying the groundwork for 6G. A skilled workforce is key to sustaining this momentum, enabling convergence across technologies while driving regional development, attracting investments, and enhancing self-reliance. With strategic upskilling and a commitment to inclusivity, the 5G ripple effect will continue to unlock economic opportunities and strengthen India's position as a global tech leader.

**AMANTYA**

