

TELECOM SECTOR SKILL COUNCIL

Skilling of Personnel to Work for ISPs

About us

Telecom Sector Skill Council (Telecom SSC) is industry-led apex body, jointly set up by the **Cellular Operators Association of India (COAI)**, **Indian Cellular and Electronics Association (ICEA)** and **National Skill Development Corporation (NSDC)**, to ensure adequate availability of skilled manpower to boost growth and productivity in the Telecom sector.

TSSC has emerged as the bridge between Ministries, Indian telecom industry and youth of our nation for skill development. We are committed to develop world class skilled manpower for the telecom Industry to ensure adequate manpower availability for the ecosystem by deploying best in class skill training programs to boost growth and productivity in the telecom sector.

FOCUS AREAS

Government
Schemes

CSR
Projects

Paid
Courses

International
Projects

CENTERS OF EXCELLENCE



TELCOJOBS



TSSC LEARNING



TSSC Governing & Advisory Board



AKHIL GUPTA
BHARTI ENTERPRISES



P BALAJI
VODAFONE IDEA



PANKAJ MOHINDROO
ICEA



LT GEN DR SP KOCHHAR
DG COAI, EX CEO - TSSC



RAJESH SHARMA
ICEA



ANJALI HANS
VI



TR DUA
DIPA



KAPIL AHUJA
RELIANCE JIO



SHRESHTA GUPTA
NSDC



ARVIND BALI
TSSC



ANKIT AGARWAL
STL



JOSH FOUGLER
FOXCONN



HARI OM RAI
LAVA MOBILES



SANDEEP GIROTRA
ATC



LOHIT BHATIA
QUESS CORP



RIHAN KHAN SURI
DSEU



RAJESH AGARWAL
MICROMAX



ABHINAV PURI
FICA



PAMELA KUMAR
TSDSI



BHUVNESH
KUMAR, IAS
MEITY



HARSH KHUARANA
HUAWEI

Government Schemes and Projects



सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT
& ENTREPRENEURSHIP



सत्यमेव जयते

Ministry of Electronics and
Information Technology
Government of India



सत्यमेव जयते

ग्रामीण विकास मंत्रालय
भारत सरकार
**MINISTRY OF RURAL
DEVELOPMENT**
GOVERNMENT OF INDIA



सत्यमेव जयते

Ministry of Housing and Urban Affairs
Government of India



सत्यमेव जयते

Department of Telecommunications
Ministry of Communications
Government of India



सत्यमेव जयते

रेल मंत्रालय
**MINISTRY OF
RAILWAYS**

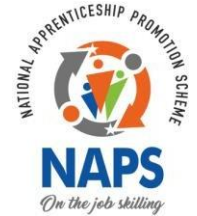


सत्यमेव जयते

शिक्षा मंत्रालय
**MINISTRY OF
EDUCATION**



Directorate General of Training



Centers of Excellence: 7 Skill Labs

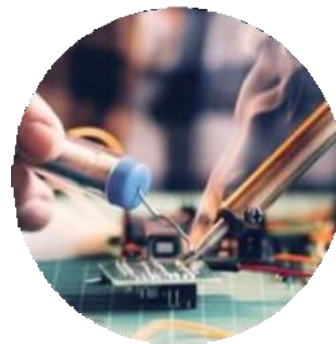
TSSC has ready to deploy 7 skill labs for new technologies to provide exceptional skill development for our youth.



5G Technology



Internet of Things



Handheld Device Repair



Advance Security Surveillance /
Cyber Security



Optical Fibre



Line Assembler

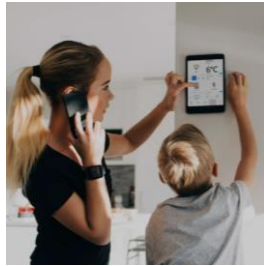


Drone Technology

Our Training Focus



5G



IoT



ANML



Cloud



Drones



Retail

Popular Job roles with TSSC

1	Handset Repair Engineer	6	Last Mile Active Network Installer
2	5G Project Engineer	7	AI – Data Analyst
3	Call Centre Executives	8	Tower Technician
4	IoT Technical Service Executive	9	Cloud Computing – Test Analyst
5	Retail Sales Associate	10	Drone Monitoring and Maintenance Associate

Top Telecom Players

Service Segment



TOP PLAYERS

Handset & Manufacturing Segment



Passive Infrastructure Segment



Network Managed Segment



ASSOCIATIONS



Internet Service Provider (ISP)

An internet service provider (ISP) is a business entity that grants individuals and organizations the ability to connect to the internet. ISPs offer various methods of access, such as dial-up, DSL, cable, wireless, and fiber-optic connections. Several types of companies act as ISPs, including Cable providers, Mobile carriers & Telephone companies

Broadband Connectivity

ISPs provide broadband connections, which offer high-speed internet access.

Types of Internet Connections

DSL (Digital Subscriber Line), cable, fiber-optic, and satellite

Service Packages

ISPs typically offer different service packages to cater to diverse user needs.

Internet Security

ISPs often provide security measures to protect users from online threats.

Customer Support

ISPs offer customer support services to address issues, troubleshoot problems, and assist with connectivity or technical difficulties.

Upskilling in the Fiberization Wave in India

As India leads the 5G and 6G technology Revolution, Government of India has promoted Fiberisation in India with projects such as “National Broadband Mission”, “BharatNet” and PM Wani.

Trained workforce are crucial to support these projects.

Bharatnet: The world's largest rural broadband project, is to provide broadband connectivity to all the 2.5 lakh Gram Panchayats across India and 50 Lakh Kms of Fiber by 2025.

191,069

Gram Panchayats
connected

632,000 Kms

Optical Fiber Laid

148,184

Wi-Fi Hotspots

450,185

Fiber to the Home subs

104,671

Wi-Fi Hotspots for last
mile

The PM-WANI framework envisages provision of Broadband through Public Wi-Fi Hotspot providers.

National Broadband Mission

50 Lakh
KMs

By 2024-25

35.5 Lakh
KMs

As of September
2022

35%

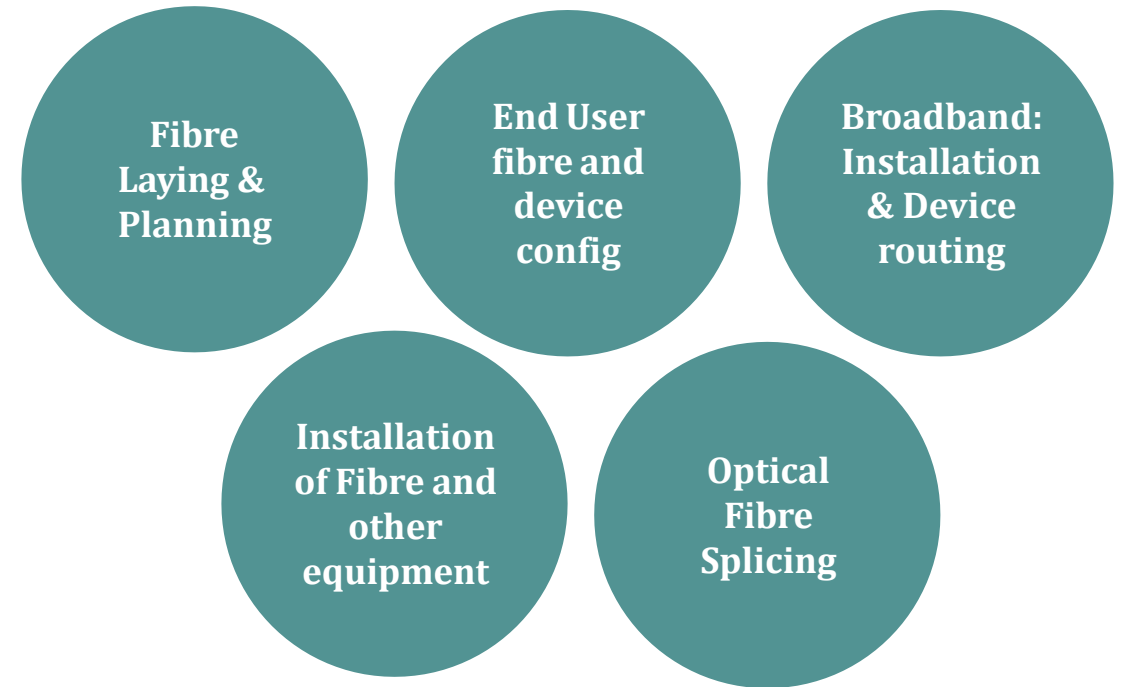
Towers in
India are
fiberized.



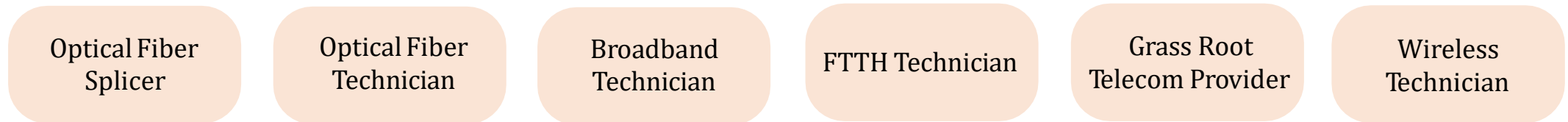
Upskilling in the Fiberization Wave in India

Due to the **high attrition rate** and **migration** within industries for technicians, it is essential to have a continuous supply of skilled workers, considering the significant scope of projects by the government.

Telecom SSC aims at upskilling the youth of India under *Place & Train* skill development projects to bridge the skill gap and meet industry demand.



Telecom Sector Skill Council has job roles catering to the backhaul fiberisation wave in India.



Telecom SSC proposes STT for 8,000 candidates to support Fiberization in India

TSSC's ISP related job roles



Broadband Technician



Optical Fibre Splicer



Optical Fibre Technician



Wireless Technician



Fiber to-the Home (FTTH/X) Installer

Broadband Technician

Broadband Technician is responsible for installation, configuration and testing of CPE (modem, routers and switches) for broadband access. He also establishes connectivity between CPE and end-user device (CPU, Laptop, tablets, Smart/IP TV etc.) at customer premises and carries out basic trouble-shooting for identifying, localizing & rectifying cable, connectivity and equipment fault in coordination with NOC.

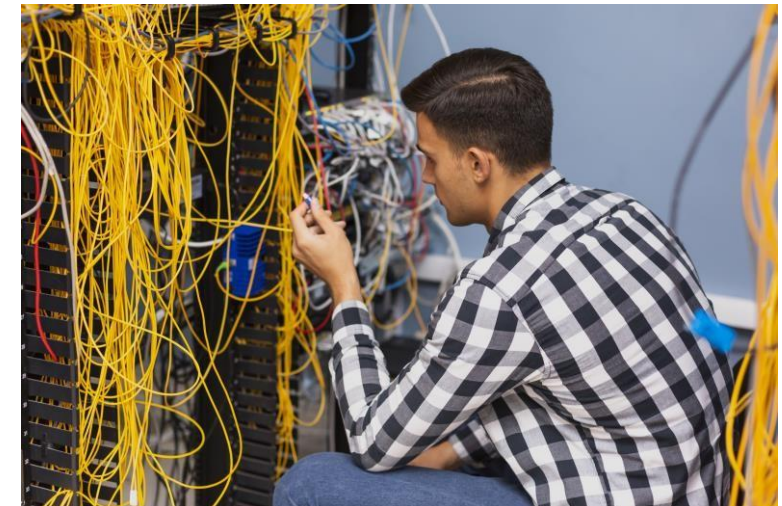
Key activities:

1. Cable/system wiring and equipment installation at customer premises
2. Configuration of equipment and establishing Broadband connectivity
3. Trouble-shoot to localize and rectify faults
4. UPS installation & Domestic Power Supply checks

Educational Qualification:

Class 12th OR 10th+ITI OR Diploma
(Science/Electronics/Telecom/IT and other relevant fields)

SCAN FOR MORE DETAILS



Optical Fibre Splicer

Optical fibre splicer is responsible for ensuring efficient splicing of the optical fibre cables and supports in optical fibre installation and in carrying out fibre testing using Optical Time Domain Reflectometer (OTDR) and power meter.

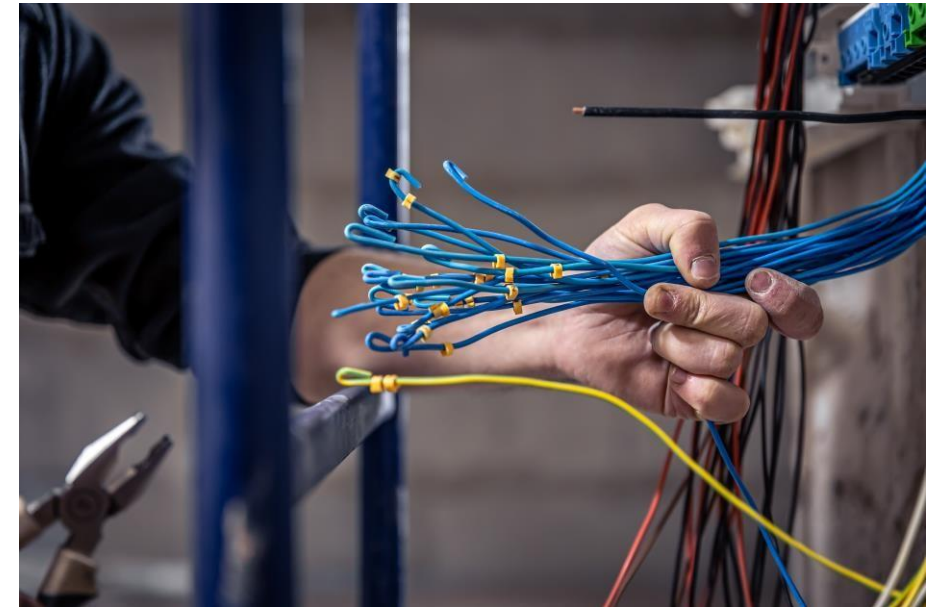
Key activities:

1. Undertake splicing of optical fiber
2. Installation & Commissioning of Optical fiber cables (OFC)

Educational Qualification:

Class 10th OR Class 8th with 1-year relevant experience

SCAN FOR MORE DETAILS



Optical Fibre Technician

Optical fibre technician is responsible for maintaining uptime and quality of the network segment (both optical media & equipment) assigned to him by undertaking periodic preventive maintenance activities and ensuring effective fault management in case of fault occurrence. He is also required to coordinate activities for installation and commissioning of Optical Fibre Cable (OFC) as per the route plan.

Key activities:

1. Co-ordinate Installation & Commissioning of Optical fiber cables (OFC)
2. Undertake Condition based Maintenance & Planned repair activities
3. Perform corrective maintenance/ restoration of optical fault

Educational Qualification:

Class 12th OR Class 10th+ITI OR Diploma
(Science/Electronics/Telecom/IT and other relevant fields) OR
Certified in NSQF L-3 Optical Fiber Splicer with 2 Years Experience

SCAN FOR MORE DETAILS



Wireless Technician

Wireless Technician is responsible for installation, configuration and testing of Wi-Fi Backhaul Eqpt (5 GHz) and Wi-Fi Access Points (2.4 GHz) for broadband access. He also establishes connectivity in the backhaul network.

Key activities:

1. Wi-Fi Backhaul Equipment (5 GHz) & Wi-Fi Access Points (2.4 GHz) wiring & Installation at different sites
2. Configuration of Equipment and establishing connectivity
3. Troubleshoot to localize and rectify faults.
4. UPS Installation & domestic Power supply checks.
5. Health and Safety

Educational Qualification:

Class 12th OR Class 10th + ITI (2 years in Electronics/Telecom/IT and other relevant fields) OR Class 10th with 2 years of relevant experience OR Class 8th + ITI (2 years in Electronics/Telecom/IT and other relevant fields) with 2 years of relevant experience OR Diploma after 10th (2 years in Electronics/Telecom/IT and other relevant fields)

SCAN FOR MORE DETAILS



Fiber to-the Home (FTTH/X) Installer

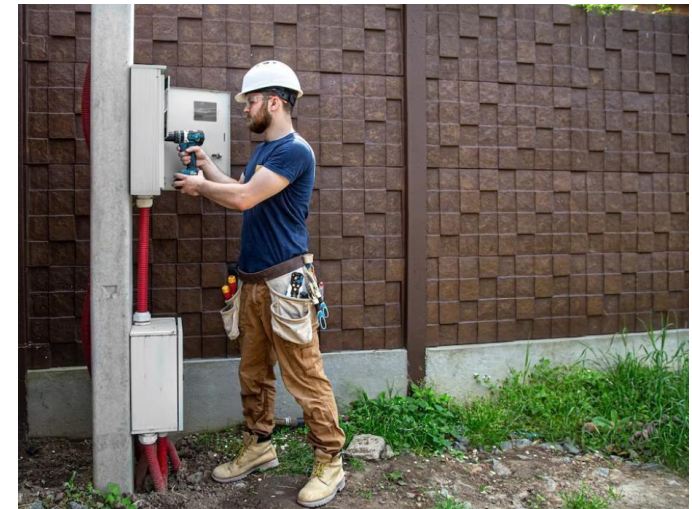
At the end of the program, the learner should have acquired the listed knowledge and skills.

- Follow procedures for outside plant cable installation.
- Prepare cables for splicing.
- Install passive FTTH/X components.
- Construct FTTH/X cabling inside the building.
- Follow safety precautions pertaining to optical fiber.
- Organize work and resources as per health and safety standards.
- Communicate, develop interpersonal skills and develop sensitization towards gender and person with disability.

Educational Qualification:

Class 10th OR Class 8th with 2 years of relevant experience OR Class 8th + ITI (Electronics/Telecom /IT and other relevant fields)

SCAN FOR MORE DETAILS



Our achievements in past 10 years

10+ Lakhs Trained Manpower

Experience of 10+ years in skill development ecosystem

Qualification Packs - 58

Industry Specific QP covers all 5 verticals - Service, Handset, Passive Infrastructure, Network and Retail

Training centers - 1000+

Available from Ladakh to Kanyakumari; Rajasthan to Arunachal Pradesh

Assessment Partners - 8

Robust assessment system that leverages technology through well established 3rd party assessment agencies



Key Industry Advisors 40+

+450 industry associates with major industry players across the telecom sector

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