



# Telecom Sector Skill Council

Qualification Packs  
(NSQF aligned courses)





From the desk  
**Minister of Education of India**

“ Working towards creating greater synergy between education and skills as outlined in National educational Education. ”

*Hon'ble Minister, Shri. Dharmendra Pradhan  
(Minister of Education , Minister of Skill Development  
and Entrepreneurship)*

From the desk  
**Minister of State**

“ Since the Skill India launch in 2016, about 3.2 crore youth have been skilled, upskilled and reskilled. They have acquired capabilities for either micro entrepreneurship or self-employment. ”

*Hon'ble Minister Shri. Rajeev Chandrashekhar  
(Minister of State, Ministry of Skill Development and  
Entrepreneurship)*





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From the  
**Prime Minister's Desk**

“ It is necessary to ensure that the youth excel not only in studies but also in skills. ”

**Shri. Narendra Modi**

Prime Minister of India





# 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.

Government  
Schemes

CSR  
Projects

Industry  
Training

International  
Projects

Centers of  
Excellence



eLearning



Placements



# Skill India

The Pradhan Mantri Kaushal Vikas Yojana (PMKVY) is the flagship initiative of the Ministry of Skill Development & Entrepreneurship (MSDE), executed by the National Skill Development Corporation (NSDC). This Skill Certification Scheme aims to empower Indian youth by offering industry-relevant skill training, enhancing their prospects for a better livelihood.

In November 2013, the Government of India introduced the 'Scheme for financial assistance to select states for skill development in the ESDM sector.' This initiative, aligned with the "Make in India" program, focuses on Electronics System Development and Maintenance (ESDM). It seeks to boost skilling capacities in the ESDM sector through both public and private participation, targeting students and unemployed youth from diverse disciplines.

The National Apprenticeship Promotion Scheme (NAPS), launched on 19th August 2016, is another significant government initiative. It provides financial support to establishments engaged in apprenticeship training, promoting skill development and employment opportunities.

Additionally, the Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY) is a scheme designed to enhance rural livelihoods by providing market-driven skill training to youth from economically disadvantaged backgrounds. This initiative aims to bridge the gap between demand and supply in the labor market and empower rural youth through skill development a skilled and adaptive workforce in the telecommunications sector.





# Governing & Advisory Board



ANJALI HANS  
Vi



KAPIL AHUJA  
Jio



RAJESH SHARMA  
ICEA



TR DUA  
DIPA



Lt Gen Dr SP Kochhar  
DG COAI, Ex CEO - TSSC



SHRESHTHA GUPTA  
NSDC



ARVIND BALI  
TSSC



Akhil Gupta  
President Emeritus  
TSSC



P Balaji  
Vice President Emeritus  
TSSC



Pankaj Mohindroo  
Secretary Emeritus  
TSSC



Ankit Agarwal  
STL



Mr Josh Fougler  
Foxconn



Mr. Hari Om Rai  
LAVA Mobiles



Mr. Sandeep Girotra  
ATC



Mr. Lohit Bhatia  
Quess Corp



Dr. Rihan Khan Suri  
DSEU



Rajesh Agarwal  
Micromax



Abhinav Puri  
FICA



Pamela Kumar  
TSDSI



Bhuvnesh Kumar IAS  
MeitY



Harsh Khurana  
Huawei



Krishna Sirohi  
IIT - Delhi



Anand  
Bhaskar  
Cisco



Amrita Padda  
Airtel

# Our Industry Partners



AND MANY MORE...



# Sub Sectors in Telecom Sector

**1**

Service Provider

**2**

Handset

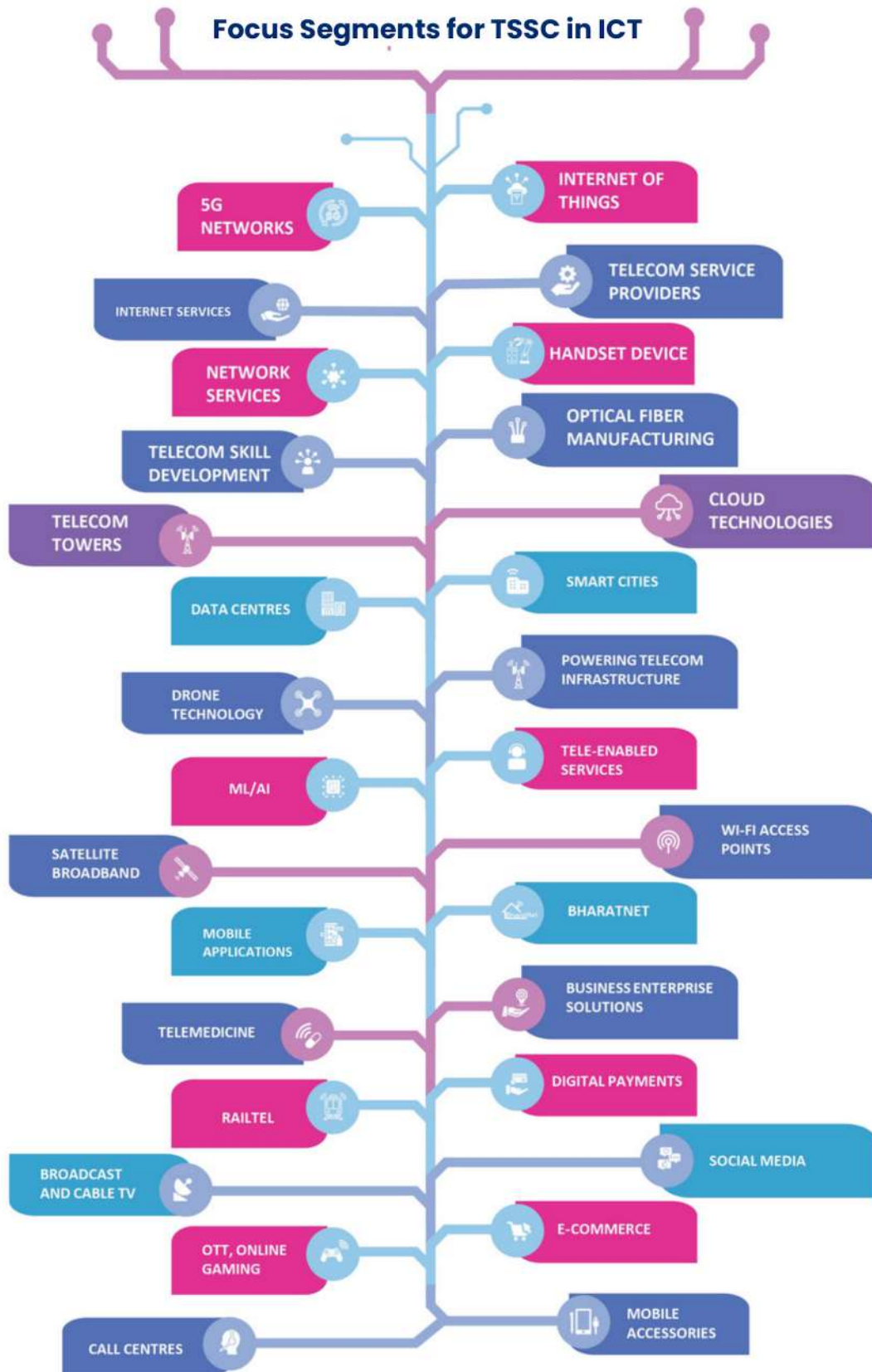
**3**

Network Managed Services

**4**

Generic

## Focus Segments for TSSC in ICT





### 1. In-Store Promoter | QP CODE: TEL/Q2101, v4.0

The individual in this job role is responsible for demonstrating and highlighting the product Features, Advantages and Benefits (FAB) approach to customers, offering them the opportunity to touch and feel the products on display and responding to queries on products and services.

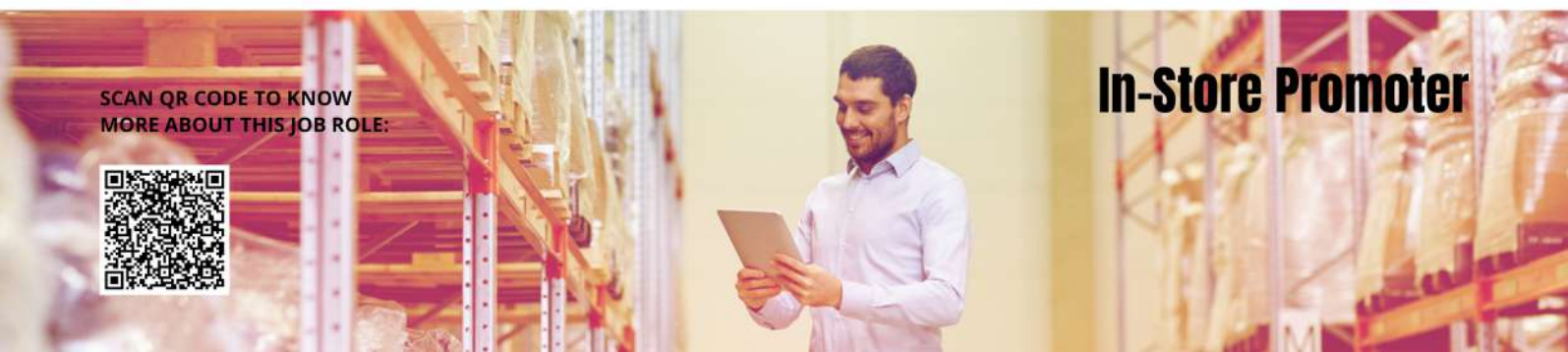
<b>Duration-</b>	150 (T) + 150(P) + 120 (O) = 420	<b>NSQF Level:-</b>	3	<b>Occupation -</b>	Sales and Distribution - Handset Segment
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#### Applicable NOS's:

1. Bridge Module
2. TEL/N2108: Perform Sales related Activities at the Store/Showroom
3. TEL/N2109: Sell Telecom Products and Services to Customers
4. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
5. TEL/N9102: Interact Effectively with Tea Members and Customers
6. DGT/VSQ/N0101: Employability Skills (30 Hours)

#### Entry Requirement:

1. Grade 9  
OR
2. Grade 8 pass and pursuing continuous schooling in regular school with vocational subject  
OR
3. 8th grade pass with 1-year relevant experience  
OR
4. 5th grade pass with 4-year relevant experience



SCAN QR CODE TO KNOW MORE ABOUT THIS JOB ROLE:



**In-Store Promoter**

# Distributor Sales Representative

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



1.

## 2. Distributor Sales Representative | QP CODE: TEL/Q2100, v4.0

The individual in this job role is responsible for selling mobile handsets and related accessories and achieving sales targets as per the target matrix of the organization. The individual is also responsible for increasing the width and depth of distribution and travel extensively to do so. Additionally, they should be able to address complaints/queries of the retailers as per organizational policies and manage cash transactions.

<b>Duration-</b>	150 (T) + 150(P) + 120 (O) = 420	<b>NSQF Level:-</b>	3	<b>Occupation -</b>	Sales and Distribution - Handset Segment
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### Applicable NOS's:

1. Bridge Module
  2. TEL/N2110: Coach Retailers to Achieve Sales Targets
  3. TEL/N2111: Perform pre-planning for product distribution
  4. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
  5. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0101: Employability Skills (30 Hours)

### Entry Requirement:

1. Grade 9  
OR
2. Grade 8 pass and pursuing continuous schooling in regular school with vocational subject  
OR
3. 8th grade pass with 1-year relevant experience  
OR
4. 5th grade pass with 4-year relevant experience



### 3. Telecom E-waste Handler| QP CODE: TEL/Q2400, v4.0

The individual in this job is responsible for collecting telecom e-waste from retailers, repair shops and other unorganised stakeholders. They are also responsible for promoting the importance of telecom e-waste management and ill-effects of improper handling of the telecom e-waste. In addition, they need to ensure proper transportation of the collected telecom e-waste to the central warehouse by packaging the e-waste, labelling it and maintaining the log record.

<b>Duration-</b>	150 (T) + 150(P) + 120 (O) = 420	<b>NSQF Level:-</b>	3	<b>Occupation -</b>	E-Waste Management
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#### Applicable NOS's:

1. Bridge Module
2. TEL/N2401: Promoting proper Telecom E-waste Handling and Disposal
3. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
4. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0101: Employability Skills (30 Hours)

#### Entry Requirement:

1. Grade 9  
OR
2. Grade 8 pass and pursuing continuous schooling in regular school with vocational subject  
OR
3. 8th grade pass with 1-year relevant experience  
OR
4. 5th grade pass with 4-year relevant experience

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



**Telecom E-waste Handler**



## 4. Optical Fiber Splicer| QP CODE: TEL/Q6400, v4.0

The individual in this job ensures efficient splicing of the optical fiber cables and test effectiveness and record the test results.

<b>Duration-</b>	150 (T) + 150(P) + 120 (O) = 420	<b>NSQF Level:-</b>	3	<b>Occupation -</b>	E-Waste Management
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6400: Splice Optical Fiber
3. TEL/N6401: Test Effectiveness and Record Test Results
4. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
5. TEL/N9102: Interact Effectively with Team Members and Customers
6. DGT/VSQ/N0101: Employability Skills (30 Hours)

### Entry Requirement:

1. Grade 9  
OR
2. Grade 8 pass and pursuing continuous schooling in regular school with vocational subject  
OR
3. 8th grade pass with 1-year relevant experience  
OR
4. 5th grade pass with 4-year relevant experience

## 5. Broadband Technician| QP CODE: TEL/Q0102, v4.0

The individual is responsible for installing, configuring and testing of CPE (modem, routers and switches) for broadband access. The individual 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 and rectifying cable, connectivity and equipment fault in coordination with NOC

<b>Duration-</b>	210 (T) + 180 (P) + 120 (O) = 510	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Customer Service – Passive Infrastructure
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### Applicable NOS's:

1. Bridge Module
2. TEL/N0111: Lay cable/system wiring and install equipment at customer premises
3. TEL/N0112: Configure customer premises equipment and establish Broadband connectivity
4. TEL/N0113: Troubleshoot and Rectify Faults
5. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
6. TEL/N9102: Interact Effectively with Team Members and Customers
7. DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

- 11th grade pass
- OR
- Completed 1st year of 3- year diploma (after 10th) and pursuing regular diploma
- OR
- 10th grade pass plus 1-year NTC/ NAC
- OR
- 8th grade pass plus 2-year NTC plus 1 Year NAC
- OR
- 8th pass plus 1-year NTC plus 1-Year NAC plus CITS
- OR
- 10th grade pass and pursuing continuous schooling
- OR
- 10th Grade Pass with 2 year relevant experience



## Broadband Technician

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:







## 6. Telecom Customer Care Executive - Repair Center| QP CODE: TEL/Q0102, v4.0

The individual in this job provides customer service support to an organisation by interacting with the customers who walk-in. They handle and resolve customer queries, requests and complaints in a timely manner.

<b>Duration-</b>	180 (T) + 150 (P) + 120 (O) = 450	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Sales and Distribution - Handset Segment
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### Applicable NOS's:

1. Bridge Module
  2. TEL/N2215: Manage work area and maintain personal appearance
  3. TEL/N2201: Identify Issues, Troubleshoot and Coordinate with Technical Team
  4. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
  5. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

11th grade pass  
OR  
Completed 1st year of 3- year diploma (after 10th) and pursuing regular diploma  
OR  
10th grade pass and pursuing continuous schooling  
OR  
10th Grade Pass with 2 year relevant experience  
OR  
Previous relevant Qualification of NSQF Level 3.0 with minimum education as 5th Grade pass with 2 year relevant experience

### 7. Handheld Devices (Handset & Tablet) Technician| QP CODE: TEL/Q2201, v4.0

The individual in this job is responsible for repairing handsets for various hardware and software issues under supervision of a senior. The individual is responsible for helping seniors in testing the handset for adequacy post repair/service.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Customer Service - Handset Segment
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#### Applicable NOS's:

1. Bridge Module
2. TEL/N2215: Manage work area and maintain personal appearance
3. TEL/N2201: Identify Issues, Troubleshoot and Coordinate with Technical Team
4. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
5. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

#### Entry Requirement:

- 11th grade pass
- OR
- Completed 1st year of 3- year diploma (after 10th) and pursuing regular diploma
- OR
- 10th grade pass and pursuing continuous schooling
- OR
- 10th Grade Pass with 2 year relevant experience
- OR
- Previous relevant Qualification of NSQF Level 3 Hand Soldering Technician - Telecom Board with minimum education as 5th Grade pass with 2 year relevant experience

## HANDHELD DEVICES (Handset & Tablet) TECHNICIAN

SCAN QR CODE TO KNOW MORE ABOUT THIS JOB ROLE:





SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



# Optical Fiber Technician



## 8. Optical Fiber Technician| QP CODE: TEL/Q6401, v4.0

The individual in this job coordinates the activities for installation and commissioning of Optical Fiber Cables (OFCs) and maintains the up-time and quality of the network segment (both optical media & equipment) by undertaking periodic preventive maintenance activities and ensuring effective fault management in case of fault occurrence.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	3	<b>Occupation -</b>	Operations and Maintenance – Passive Infrastructure
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### Applicable NOS's:

1. Bridge Module
2. TEL/N4137: Coordinate Installation and Commissioning of Optical Fiber Cables (OFCs)
3. TEL/N6403: Undertake Condition based Maintenance and Planned Repair Activities
4. TEL/N6404: Perform Corrective Maintenance/Restoration of Optical Fiber Faults
5. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
6. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 11th grade pass  
OR
2. Completed 1st year of 3- year diploma (after 10th) and pursuing regular diploma  
OR
3. 10th grade pass and pursuing continuous schooling  
OR
4. 10th Grade Pass with 2 year relevant experience  
OR
5. Previous relevant Qualification of NSQF Level 3 Optical Fiber Splicer with minimum education as 5th Grade pass with 2 year relevant experience



## 9. Telecom Terminal Equipment Application Developer (Android) QP CODE: TEL/Q6401, v4.0

The individual is responsible for designing and developing advanced customised applications for the android platform that can be used by various smartphones and/or tablets running on android operating system. The incumbent would create user interfaces, write business logic for events and activities defined by the applications, test the code for robustness, including edge cases, usability and general reliability, perform bug-fixing and improve applications performance.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	3	<b>Occupation -</b>	Operations and Maintenance – Passive Infrastructure
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### Applicable NOS's:

1. Bridge Module
2. TEL/N4137: Coordinate Installation and Commissioning of Optical Fiber Cables (OFCs)
3. TEL/N6403: Undertake Condition based Maintenance and Planned Repair Activities
4. TEL/N6404: Perform Corrective Maintenance/Restoration of Optical Fiber Faults
5. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
6. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 11th grade pass  
OR
2. Completed 1st year of 3- year diploma (after 10th) and pursuing regular diploma  
OR
3. 10th grade pass and pursuing continuous schooling  
OR
4. 10th Grade Pass with 2 year relevant experience  
OR
5. Previous relevant Qualification of NSQF Level 3 Optical Fiber Splicer with minimum education as 5th Grade pass with 2 year relevant experience





SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:

# TELECOM TERMINAL EQUIPMENT APPLICATION DEVELOPER NATIVE

## 10. Telecom Terminal Equipment Application Developer (Native) QP CODE: TEL/Q2300, v5.0

The individual is responsible for designing and developing advanced customised applications for the android platform that can be used by various smartphones and/or tablets running on android operating system. The incumbent would create user interfaces, write business logic for events and activities defined by the applications, test the code for robustness, including edge cases, usability and general reliability, perform bug-fixing and improve applications performance.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Operations and Maintenance – Passive Infrastructure
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### Applicable NOS's:

1. Bridge Module
2. TEL/N4137: Coordinate Installation and Commissioning of Optical Fiber Cables (OFCs)
3. TEL/N6403: Undertake Condition based Maintenance and Planned Repair Activities
4. TEL/N6404: Perform Corrective Maintenance/Restoration of Optical Fiber Faults
5. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
6. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 11th grade pass  
OR
2. Completed 1st year of 3- year diploma (after 10th) and pursuing regular diploma  
OR
3. 10th grade pass and pursuing continuous schooling  
OR
4. 10th Grade Pass with 2 year relevant experience  
OR
5. Previous relevant Qualification of NSQF Level 3 Optical Fiber Splicer with minimum education as 5th Grade pass with 2 year relevant experience



## 11. Tower Technician QP CODE: TEL/Q4100, v4.0

The individual at work maintains the tower site live at all times, repair level-1 faults, carry out corrective/preventive maintenance at the telecom tower site and report issues to the supervisor. The individual also conducts energy management, estate management-level 1 and verify the assets

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Operations and Maintenance – Passive Infrastructure
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### Applicable NOS's:

1. Bridge Module
  2. TEL/N4138: Maintain Tower Site and Report Periodically
  3. TEL/N4139: Manage site operation safely and hygienically
  4. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
  5. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 11th grade pass  
OR
2. Completed 1st year of 3- year diploma (after 10th) and pursuing regular diploma  
OR
3. 10th grade pass and pursuing continuous schooling  
OR
4. 10th Grade Pass with 2 year relevant experience  
OR
5. Previous relevant Qualification of NSQF Level 3 with minimum education as 5th Grade pass with 2-year relevant experience



## TOWER TECHNICIAN



SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



# ACTIVE NETWORK MANAGEMENT ASSOCIATE



SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:

## 12. Active Network Management Associate QP CODE: TEL/Q4100, v4.0

The individual in this job is responsible for provisioning of end-to-end circuits and managing network elements from a centralized server for a Network Management System

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Project Engineering
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6307: Provisioning of Active Network Equipment
3. TEL/N6309: Monitoring and Reporting the Status of SDH, DWDM and L2 Equipment
4. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
5. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 12th grade pass  
OR
2. Completed 2nd year of 3-year diploma (after 10th)  
OR
3. Pursuing 2nd year of 3-year regular Diploma (after 10th)  
OR
4. 10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent  
OR
5. 8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS  
OR
6. 10th grade pass and pursuing continuous schooling  
With No Experience required  
OR
7. Previous relevant Qualification of NSQF Level 3.0 with 3 year relevant experience

### 13. Telecom Infrastructure Engineer QP CODE: TEL/Q6100, v3.0

An Infrastructure Engineer in the telecom industry is responsible for ensuring site uptime by supervising and monitoring preventive and corrective maintenance of Passive Infrastructure at sites. They also coordinate infrastructure up-gradation activities and ensure timely payments of rent, diesel, and electricity charges after validating the vendor bills.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	5	<b>Occupation -</b>	Operations and Maintenance – Passive Infrastructure
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#### Applicable NOS's:

1. Bridge Module
2. TEL/N6100: Perform Preventive and Corrective Maintenance of Passive Infrastructure Equipment
3. TEL/N6102: Upgrade Passive Infrastructure at Radio Locations
4. TEL/N6103: Perform other Operational Activities at Radio Sites
5. TEL/N9103: Implement Effective Interaction at workplace
6. TEL/N9104: Manage Work, Resources and Safety at workplace
7. DGT/VSQ/N0102: Employability Skills (60 Hours)

#### Entry Requirement:

1. Completed 2nd year of 3-year/ 4-years UG  
OR
2. Pursuing 2nd year of 3-year/ 4-years UG and continuing education  
OR
3. Completed 2nd year of diploma (after 12th)  
OR
4. Pursuing 2nd year of 2-year diploma after 12th  
with No Experience required  
OR
5. 12th pass with 2 year of any combination of NTC/NAC/CITS or equivalent with no  
Experience required  
OR
6. Previous relevant Qualification of NSQF Level 4 with 3 year relevant  
experience

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



## Telecom Infrastructure Engineer



# Information and Communication Technology Engineer

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



## 14. Information and Communication Technology Engineer QP CODE: TEL/Q6100, v3.0

The individual at work installs and ensures uptime of the assigned ICT node/network segment including 5G and legacy networks by undertaking preventive maintenance, fault management, upgradation, capacity augmentation, configuration changes and Point of Interconnect (POI) testing with minimal disruption of services.

<b>Duration-</b>	270 (T) + 210 (P) + 120 (O) = 600	<b>NSQF Level:-</b>	6	<b>Occupation -</b>	Network Operation and Maintenance
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6219: Supervise Preventive and Corrective Maintenance at ICT Nodes
3. TEL/N6220: Carry out Change Management Activities at ICT Nodes
4. TEL/N6221: Undertake Point of Interconnect (POI) Testing at ICT Nodes
5. TEL/N9103: Implement Effective Interaction at workplace
6. TEL/N9104: Manage Work, Resources and Safety at workplace
- DGT/VSQ/N0103: Employability Skills (90 Hours)

### Entry Requirement:

1. Pursuing first year of 2-year PG program after completing 3-year UG degree  
OR
2. Pursuing 1-year PG diploma after 3-year UG degree  
OR
3. Completed 4th year UG (in case of 4-year UG)  
OR
4. Pursuing 4th year UG (in case of 4-year UG) and continuing education with No Experience Required  
OR
5. Completed 3-Year UG Degree with 1 year relevant experience  
OR
6. Previous relevant Qualification of NSQF Level 5 with 3 years relevant experience



## 15. Base Station Sub-system (BSS) Support Engineer QP CODE: TEL/Q6100, v3.0

An individual in this job role is responsible for ensuring network uptime through preventive maintenance of Base Station Controller (BSC) sites and effective fault management in case of fault occurrence. They also assist field engineers in performing their assigned activities at BSS including Base Transceiver Station (BTS) locations.

<b>Duration-</b>	270 (T) + 210 (P) + 120 (O) = 600	<b>NSQF Level:-</b>	6	<b>Occupation -</b>	Network Operation and Maintenance
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6243 – Analyse performance reports and customer complaints
3. TEL/N6244 – Perform Maintenance at Base Station Controller (BSC)
4. TEL/N6245 – Perform change management activities
5. TEL/N9103 - Implement Effective Interaction at workplace
6. TEL/N9104 - Manage Work, Resources and Safety at workplace
7. DGT/VSQ/N0103: Employability Skills (90 Hours)

### Entry Requirement:

1. Pursuing first year of 2-year PG program after completing 3-year UG degree  
OR
2. Pursuing 1-year PG diploma after 3-year UG degree  
OR
3. Completed 4th year UG (in case of 4-year UG)  
OR
4. Pursuing 4th year UG (in case of 4-year UG) and continuing education with No Experience Required  
OR
5. Completed 3-Year UG Degree with 1 year relevant experience  
OR
6. Previous relevant Qualification of NSQF Level 5 with 3 years relevant experience

## (BSS) Support Engineer

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:





## 16. Cluster Manager QP CODE: TEL/Q4102, v3.0

The individual in this job is responsible for providing uninterrupted infrastructure services to operators in cluster, ensuring optimum utilization of resources and efficiency in reducing energy and other operational costs while maintaining high up-time per mobile tower. The individual also needs to assure adherence to compliance/performance parameters, technical and safety training of team and adopt a holistic technical approach towards the infrastructure at cell sites/mobile towers. In addition, the individual needs to supervise upgrading of sites and tracking of new sites in the cluster.

<b>Duration-</b>	270 (T) + 210 (P) + 120 (O) = 600	<b>NSQF Level:-</b>	6	<b>Occupation -</b>	Operation and Maintenance – Passive Infrastructure
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6243 – Analyse performance reports and customer complaints
3. TEL/N6244 – Perform Maintenance at Base Station Controller (BSC)
4. TEL/N6245 – Perform change management activities
5. TEL/N9103 - Implement Effective Interaction at workplace
6. TEL/N9104 - Manage Work, Resources and Safety at workplace
7. DGT/VSQ/N0103: Employability Skills (90 Hours)

### Entry Requirement:

1. Pursuing first year of 2-year PG program after completing 3-year UG degree  
OR
2. Pursuing 1-year PG diploma after 3-year UG degree  
OR
3. Completed 4th year UG (in case of 4-year UG)  
OR
4. Pursuing 4th year UG (in case of 4-year UG) and continuing education with No Experience Required  
OR
5. Completed 3-Year UG Degree with 1 year relevant experience  
OR
6. Previous relevant Qualification of NSQF Level 5 with 3 years relevant experience



## 17. Field Sales Executive QP CODE: TEL/Q0200, v4.0

The individual in this job role visits customers to deliver prepaid telecom products/services to retailers. The individual is also responsible for achieving monthly revenue target, increasing width and depth of distribution, adhering to process compliance for new customer enrollment and increasing customer base. Additionally, the individual may be responsible for selling broadband subscriptions.

<b>Duration-</b>	150 (T) + 150 (P) + 120 (O) = 420	<b>NSQF Level:-</b>	3	<b>Occupation -</b>	Sales and Distribution – Service Segment
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### Applicable NOS's:

1. Bridge Module
  2. TEL/N0216 – Prepare and plan to achieve sales targets
  3. TEL/N0217 – Perform activities to enroll new customers
  4. TEL/N0218 – Sell broadband subscriptions
  5. TEL/N9101 – Organise work and resources as per health and safety standards
  6. TEL/N9102 – Interact effectively with team members and customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. Grade 9
- OR
2. Grade 8 pass and pursuing continuous schooling in regular school with vocational subject
- OR
3. 8th grade pass with 1-year relevant experience
- OR
4. 5th grade pass with 4-year relevant experience

SCAN QR CODE TO KNOW MORE ABOUT THIS JOB ROLE:




**Field Sales Executive**



# Telecom Customer Care Executive

SCAN QR CODE TO KNOW MORE ABOUT THIS JOB ROLE:



## 18. Telecom Customer Care Executive - Call Center/Relationship Center QP CODE: TEL/Q0200, v4.0

The individual in this job role visits customers to deliver prepaid telecom products/services to retailers. The individual is also responsible for achieving monthly revenue target, increasing width and depth of distribution, adhering to process compliance for new customer enrollment and increasing customer base. Additionally, the individual may be responsible for selling broadband subscriptions.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	3	<b>Occupation -</b>	Customer Service – Service Segment
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### Applicable NOS's:

1. Bridge Module
2. TEL/N0101: Resolve Customer Queries, Requests and Complaints
3. TEL/N0102: Develop Customer Relationship
4. TEL/N0115: Monitor and Analyze Performance
5. TEL/N2215: Manage work area and maintain personal appearance
6. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
7. TEL/N9102: Interact Effectively with Team Members and Customers
8. DGT/VSQ/N0101: Employability Skills (30 Hours)
9. TEL/N0116: Attend and Make calls for Service and Sales
10. TEL/N0117: Manage Self, Showroom Upkeep and Sale of Products and Services

### Entry Requirement:

1. Grade 9  
OR
2. Grade 8 pass and pursuing continuous schooling in regular school with vocational subject  
OR
3. 8th grade pass with 1-year relevant experience  
OR
4. 5th grade pass with 4-year relevant experience

## 19.Information and Communication Technology Technician QP CODE: TEL/Q0200, v4.0

The individual at work installs and maintains the ICT (Information and Communication Technology) at all times, observes and repairs Level-1 faults or issues in installed ICT equipment at site, carries out specified preventive and corrective maintenance procedures and reports relevant network incidents to the supervisor in-time for information as well as response.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Network Operation and Maintenance
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### Applicable NOS's:

- 1.Bridge Module
- 2.TEL/N6222: Manage Information and Communication Technology (ICT) Site Hygiene
- 3.TEL/N6223: Perform Preventive and Corrective Maintenance at Information and Communication Technology (ICT) Nodes
- 4.TEL/N6224: Manage Information and Communication Technology (ICT) Site for Optimal Operation
- 5.TEL/N9101: Organize Work and Resources as per Health and Safety Standards
- 6.TEL/N9102: Interact Effectively with Team Members and Customers
- 7.DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

- 1.12th grade pass  
OR
- 2.Completed 2nd year of 3-year diploma (after 10th)  
OR
- 3.Pursuing 2nd year of 3-year regular Diploma (after 10th)  
OR
- 4.10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent  
OR
- 5.8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS  
OR
- 6.10th grade pass and pursuing continuous schooling With No Experience required  
OR
- 7.Previous relevant Qualification of NSQF Level 3.0 with 3 year relevant experience

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



Information and Communication  
Technology Technician





## 20.Grass Root Telecom Provider QP CODE: TEL/Q0200, v4.0

The individual is responsible to keep Optical Network Terminal (ONT) site operational on 24x7 basis, maintain and repair basic faults/issues at ONT site, promote use of devices among local population and provide services.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Network Operation and Maintenance
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6226: Maintain Site Security and Hygiene
3. TEL/N6227: Perform Preventive Maintenance of Optical Network Terminal (ONT) Components
4. TEL/N6228: Promote use of Devices and Provide Services
5. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
6. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 11th grade pass  
OR
2. Completed 1st year of 3- year diploma (after 10th) and pursuing regular diploma  
OR
3. 10th grade pass and pursuing continuous schooling  
OR
4. 10th Grade Pass with 2-year relevant experience  
OR
5. Previous relevant Qualification of NSQF Level 3 with minimum education as 5th Grade pass with 2-year relevant experience



## 21. Telecom Technician - IOT Devices/System QP CODE: TEL/Q0200, v4.0

The individual in this job role is responsible for on-site installation and configuration of IoT Devices (nodes), setting up of communication links between nodes and controller(gateway) and further to central servers or devices through external communication links on WiFi, 3G or 4G networks on GSM or CDMA. The individual would also be responsible for first level of DI or DR.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Network Operation and Maintenance
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6234: Install and configure IOT devices at customer premises
3. TEL/N6236: Perform level 1 troubleshooting of IOT devices
4. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
5. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 11th grade pass  
OR
2. Completed 1st year of 3- year diploma (after 10th) and pursuing regular diploma  
OR
3. 10th grade pass and pursuing continuous schooling  
OR
4. 10th Grade Pass with 2 year relevant experience  
OR
5. Previous relevant Qualification of NSQF Level 3 with minimum education as 5th Grade pass with 2 year relevant experience

## Telecom Technician - IOT Devices/System

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:





## 22. Network System Associate QP CODE: TEL/Q6208, v3.0

The Network Security Technician is responsible for the implementation, maintenance, and integration of WAN, LAN and server architecture. This individual is also responsible for implementation and administration of network security hardware and software, enforcing the network security policy and complying with requirements of external security audits and recommendations.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Network Operation and Maintenance
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6226: Maintain Site Security and Hygiene
3. TEL/N6227: Perform Preventive Maintenance of Optical Network Terminal (ONT) Components
4. TEL/N6228: Promote use of Devices and Provide Services
5. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
6. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 12th grade pass  
OR
2. Completed 2nd year of 3-year diploma (after 10th)  
OR
3. Pursuing 2nd year of 3-year regular Diploma (after 10th)  
OR
3. 10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent  
OR
4. 8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS  
OR
5. 10th grade pass and pursuing continuous schooling  
With No Experience required  
OR
6. Previous relevant Qualification of NSQF Level 3.0 with 3 year relevant experience



## 23. Telecom Embedded Hardware Developer QP CODE: TEL/Q6208, v3.0

The Network Security Technician is responsible for the implementation, maintenance, and integration of WAN, LAN and server architecture. This individual is also responsible for implementation and administration of network security hardware and software, enforcing the network security policy and complying with requirements of external security audits and recommendations.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Terminal Equipment Application Developer
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### Applicable NOS's:

1. Bridge Module
2. TEL/N2311: Develop Embedded Hardware
3. TEL/N2312: Develop Embedded Firmware
4. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
5. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 12th grade pass  
OR
2. Completed 2nd year of 3-year diploma (after 10th)  
OR
3. Pursuing 2nd year of 3-year regular Diploma (after 10th)  
OR
4. 10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent  
OR
5. 8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS  
OR
6. 10th grade pass and pursuing continuous schooling with No Experience required  
OR
7. Previous relevant Qualification of NSQF Level 3.0 with 3 year relevant experience



SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



**Telecom Embedded Hardware Developer**



# Cluster In-Charge

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



## 24. Cluster In-Charge QP CODE: TEL/Q6208, v3.0

The individual in this job role is responsible for managing cell sites in the cluster by ensuring site hygiene, increasing site up-time, monitoring and certifying preventive and corrective maintenance developing healthy relations with landlord and vendors, handling issues and controlling operational expenses. The individual should ensure efficient and effective operations and maintenance of tower sites to meet company objective of delivering highest up-time along with cost and energy efficiency.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	5	<b>Occupation -</b>	Operations and Maintenance – Passive Infrastructure
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### Applicable NOS's:

1. Bridge Module
2. TEL/N4133: Maintain Cluster Telecom Site
3. TEL/N4136: Manage Issues and Operational Expenditures OPEX
4. TEL/N9103: Implement Effective Interaction at workplace
5. TEL/N9104: Manage Work, Resources and Safety at workplace
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. Completed 2nd year of 3-year/ 4-years UG  
OR
2. Pursuing 2nd year of 3-year/ 4-years UG and continuing education  
OR
3. Completed 2nd year of diploma (after 12th)  
OR
4. Pursuing 2nd year of 2-year diploma after 12th with No Experience  
required  
OR
5. 12th pass with 2 year of any combination of NTC/NAC/CITS or  
equivalent with No Experience required  
OR
6. Previous relevant Qualification of NSQF Level 4 with 3 year relevant  
experience

## 25. Installation Engineer - SDH, DWDM, L2 & L3 Equipment QP CODE: TEL/Q6300, v3.0

The individual in this job is responsible for installing SDH, DWDM, L2 and L3 equipment in the site and carrying out site acceptance testing. As an optional responsibility, the engineer may need to undertake commissioning of the site based on network topology.

<b>Duration-</b>	210 (T) + 210 (P) + 120 (O) = 540	<b>NSQF Level:-</b>	5	<b>Occupation -</b>	Project Engineering
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6300: Install SDH, DWDM, L2 and L3 Equipment
3. TEL/N6301: Undertake Acceptance Testing (AT) of SDH, DWDM, L2 and L3 Equipment
4. TEL/N6302: Perform Commissioning of SDH, DWDM, L2 and L3 Equipment
5. TEL/N9103: Implement Effective Interaction at workplace
- TEL/N9104: Manage Work, Resources and Safety

### Entry Requirement:

1. Completed 2nd year of 3-year/ 4-years UG  
OR
2. Pursuing 2nd year of 3-year/ 4-years UG and continuing education  
OR
3. Completed 2nd year of diploma (after 12th)  
OR
4. Pursuing 2nd year of 2-year diploma after 12th with No Experience required  
OR
5. 12th pass with 2 year of any combination of NTC/NAC/CITS or equivalent with No Experience required  
OR
6. Previous relevant Qualification of NSQF Level 4 with 3 year relevant experience



## Installation Engineer

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:







## 26. Territory Sales Manager - Prepaid/Broadband QP CODE: TEL/Q0203, v3.0

The individual in this job handles direct selling activities and the achievement of sales targets in the assigned territory. They are also responsible for enhancing the Average Revenue Per User (ARPU), customer base, channel development, and process compliance. In addition, they handle distribution expansion and coordination with urban distributors, i.e. multi-brand distributors, to achieve sales targets in assigned territory. They also plan and enforce personnel development, channel management, retailer education, and range selling.

<b>Duration-</b>	270 (T) + 240 (P) + 120 (O) = 630	<b>NSQF Level:-</b>	5	<b>Occupation -</b>	Sales and Distribution – Service Segment
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### Applicable NOS's:

1. Bridge Module
2. TEL/N0219: Manage Direct Selling Agents (DSA), Retailers, Distributors and Sales Executives
3. TEL/N0220: Manage Modern Trade and Increase Customer Base
4. TEL/N9103: Implement Effective Interaction at workplace
5. TEL/N9104: Manage Work, Resources and Safety at workplace
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. Completed 2nd year of 3-year/ 4-years UG
- OR
2. Pursuing 2nd year of 3-year/ 4-years UG and continuing education
- OR
3. Completed 2nd year of diploma (after 12th)
- OR
4. Pursuing 2nd year of 2-year diploma after 12th with No Experience required
- OR
5. 12th pass with 2 year of any combination of NTC/NAC/CITS or equivalent with No Experience required
- OR
6. Completed 3-year diploma after 10th
- OR
7. 12th Grade pass with 1-year of NTC/NAC
- OR
8. Completed 1st year of 3-year/ 4-years UG with 1 year relevant experience
- OR
9. Previous relevant Qualification of NSQF Level 4 with 3 year relevant experience



## 27. Fiber to-the Home (FTTH/X) Installer QP CODE: TEL/Q6300, v3.0

Fiber to-the Home (FTTH/X) installer will undertake on-ground implementation of fiber cabling from drop point Optical Line Terminals (OLTs) to the last mile connectivity i.e. customer premise (termination point). The work will include fiber splicing and termination at every distribution point. The work will follow the structured cabling norms and compliance to telecommunication cabling guidelines on the subject.

Duration-	150 (T) + 180 (P) + 120 (O) = 450	NSQF Level:-	3	Occupation -	Operations and Maintenance - Passive Infrastructure
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### Applicable NOS's:

1. Bridge Module
  2. TEL/N4128: Outside Plant Cable Installation Procedures and Practices
  3. TEL/N6400: Splice Optical Fiber
  4. TEL/N4200: Installation of Passive FTTH/X components
  5. TEL/N4201: In-building FTTH/X cabling
  6. TEL/N4131: Work Safety Practices with Fiber Optics
  7. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
  8. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0101: Employability Skills (30 Hours)

### Entry Requirement:

1. Grade 10 pass  
OR
2. Grade 8 pass with two year of (NTC/ NAC) after 8th  
OR
3. Grade 8 pass and pursuing continuous schooling in regular school with No Experience required  
OR
4. 9th Grade pass with 1 year relevant experience  
OR
5. Previous relevant Qualification of NSQF Level 2 with 3 year relevant experience

**(FTTH/X) Installer**

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



# Hand Soldering Technician - Telecom Board

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



## 28. Hand Soldering Technician - Telecom Board QP CODE: TEL/Q2500, v3.0

An individual in this job role is responsible for soldering/de-soldering components on telecom boards, re-work on boards to address soldering defects and undertake cleaning and inspection of boards.

<b>Duration-</b>	150 (T) + 180 (P) + 120 (O) = 450	<b>NSQF Level:-</b>	3	<b>Occupation -</b>	Communication Electronics
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### Applicable NOS's:

1. Bridge Module
2. TEL/N2500–High density hand soldering of component on telecom boards
3. TEL/N2501– Re-working on defected and selective soldering
4. TEL/N2502–Cleaning and Inspection of Telecom boards
5. (Bridge Module)– Industrial Education
6. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
7. TEL/N9102: Interact Effectively with Team Members and Customers
8. DGT/VSQ/N0101: Employability Skills (30 Hours)

### Entry Requirement:

1. Grade 10 pass  
OR
2. Grade 8 pass with two year of (NTC/ NAC) after 8th  
OR
3. Grade 8 pass and pursuing continuous schooling in regular school with No Experience required  
OR
4. 9th Grade pass with 1 year relevant experience  
OR
5. Previous relevant Qualification of NSQF Level 2 with 3 year relevant experience



## 29. OutSide Plant (OSP) Fiber Installation, Testing and Commissioning Supervisor Telecom Board QP CODE: TEL/Q2500, v3.0

An individual in this job role is responsible for on-site optical fibre installation activities adhering to the best practices for optical splicing, testing and safety compliances/measures on the field. They manage a team of splicers and technicians to achieve work completion within stipulated timelines and quality of service (QoS).

<b>Duration-</b>	240 (T) + 210 (P) + 120 (O) = 570	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Operations and Maintenance - Passive Infrastructure
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### Applicable NOS's:

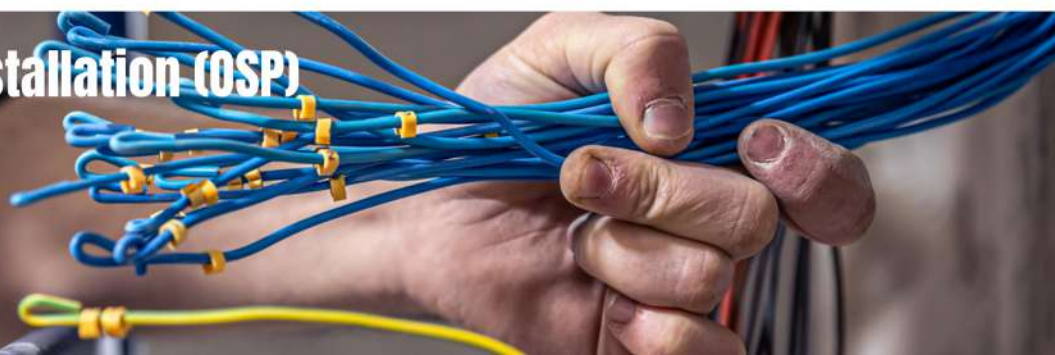
1. Bridge Module
2. TEL/N4126: Handle fiber Constructs, Performance and Selection Criteria
3. TEL/N4127: Fiber connectorisation, splicing and first level checks
4. TEL/N4128: Outside Plant Cable Installation Procedures and Practices
5. TEL/N4129: Preparing Cables for Termination and Splicing
6. TEL/N4130: Outside Plant Fiber Testing and Troubleshooting
7. TEL/N4131: Work Safety Practices with Fiber Optics
8. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
9. TEL/N9102: Interact Effectively with Team Members and Customers
10. DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 12th grade pass  
OR
2. Completed 2nd year of 3-year diploma (after 10th)  
OR
3. Pursuing 2nd year of 3-year regular Diploma (after 10th)  
OR
4. 10th grade pass with two years of any combination of NTC/NAC/CITS or equivalents  
OR
5. 8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS  
OR
6. 10th grade pass and pursuing continuous schooling With No Experience required  
OR
7. Previous relevant Qualification of NSQF Level 3.0 with 3 year relevant experience

## Outside Plant Fiber Installation (OSP)

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:





### 30. Telecom Surface Mount Technology (SMT) Technician QP CODE: TEL/Q2501, v4.0

An individual in this job role is responsible for handling end-to-end SMT process which includes screen printing, component placement, reflow soldering, cleaning and inspection, including re-work to address defects. The technician will be handling high end machinery/equipment towards achieving the above functionality.

<b>Duration-</b>	240 (T) + 210 (P) + 120 (O) = 570	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Communication Electronics
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#### **Applicable NOS's:**

1. Bridge Module
  2. TEL/N2503: Screen Printing of Telecom Boards
  3. TEL/N2504: Component Placement on Telecom Boards
  4. TEL/N2505: Re-flow soldering on Telecom Boards
  5. TEL/N2502: Cleaning and Inspection of Telecom Boards
  6. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
  7. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

#### **Entry Requirement:**

1. 11th grade pass
- OR
2. Completed 1st year of 3- year diploma (after 10th) and pursuing regular diploma
- OR
3. 10th grade pass and pursuing continuous schooling
- OR
4. 10th Grade Pass with 2 year relevant experience
- OR
5. Previous relevant Qualification of NSQF Level 3 Hand Soldering Technician with minimum education as 5th Grade pass with 2 year relevant experience



### 31. Line Assembler - Telecom Products QP CODE: TEL/Q2502, v4.0

An individual in this job role is responsible for assembly of handsets and telecom equipment various stages of the production/ assembly line operations adhering to the stages/ process which are pre-defined. The outcome of the activity is fully/ partially assembled unit. The job includes assembly of electronic boards, components and related accessories using relevant tools as per work instructions and product specification drawings.

<b>Duration-</b>	240 (T) + 210 (P) + 120 (O) = 570	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Communication Electronics
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#### Applicable NOS's:

1. Bridge Module
  2. TEL/N2506: Preparing Workspace for Assembly Operations
  3. TEL/N2507: Assembly Operations in Production Line
  4. TEL/N2508: ESD Safe Procedures and Practices
  5. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
  6. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

#### Entry Requirement:

1. 11th grade pass
- OR
2. Completed 1st year of 3- year diploma (after 10th) and pursuing regular diploma
- OR
3. 10th grade pass and pursuing continuous schooling
- OR
4. 10th Grade Pass with 2 year relevant experience
- OR
5. Previous relevant Qualification of NSQF Level 3 with minimum education as 5th Grade pass with 2 year relevant experience



SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:

**Line Assembler**  
**Telecom Products**



## 32. Drive Test Engineer- Telecom Products QP CODE: TEL/Q2502, v4.0

An individual in this job role is responsible for assembly of handsets and telecom equipment various stages of the production/ assembly line operations adhering to the stages/ process which are pre-defined. The outcome of the activity is fully/ partially assembled unit. The job includes assembly of electronic boards, components and related accessories using relevant tools as per work instructions and product specification drawings.

<b>Duration-</b>	270 (T) + 270 (P) + 120 (O) = 660	<b>NSQF Level:-</b>	5	<b>Occupation -</b>	Network Operation & Maintenance
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6237: Tower Site Verification and Preparation for Drive Test
3. TEL/N6238: Tower Site Performance Measurement and Parameter Recording
4. TEL/N6239: Tower Site Data Analysis and Reporting
5. TEL/N6240: Tower Site Optimization and Troubleshooting
6. TEL/N9103: Implement Effective Interaction at workplace
7. TEL/N9104: Manage Work, Resources and Safety at workplace
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. Completed 2nd year of 3-year/ 4-years UG  
OR
2. Pursuing 2nd year of 3-year/ 4-years UG and continuing education  
OR
3. Completed 2nd year of diploma (after 12th)  
OR
4. Pursuing 2nd year of 2-year diploma after 12th with No Experience required  
OR
5. 12th pass with 2 year of any combination of NTC/NAC/CITS or equivalent with No Experience required  
OR
6. Completed 3-year diploma after 10th  
OR
7. 12th Grade pass with 1-year of NTC/NAC  
OR
8. Completed 1st year of 3-year/ 4-years UG with 1 year relevant experience  
OR
9. Previous relevant Qualification of NSQF Level 4 with 3 year relevant experience



### 33. Wireless Technician- Telecom Products QP CODE: TEL/Q4105, v3.0

The individual in this job is responsible for installing, configuring and testing of Wi-Fi backhaul equipment (5 GHz) and Wi-Fi access points (2.4 GHz) for broadband access. They are also responsible for establishing connectivity in the backhaul between Wi-Fi nodes and access points at multiple sites and carrying out basic troubleshooting for identifying, localizing and rectifying cable, connectivity and equipment faults in coordination with Network Operation Centre (NOC).

<b>Duration-</b>	240 (T) + 210 (P) + 120 (O) = 570	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Operations and Maintenance - Passive Infrastructure
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#### Applicable NOS's:

1. Bridge Module
  2. TEL/N4122: Wiring and Installing Equipment at Different Sites
  3. TEL/N4123: Configuring Equipment and Establishing Connectivity
  4. TEL/N4124: Troubleshoot and rectify Faults
  5. TEL/N4125: UPS Installation and Domestic Power Supply Checks
  6. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
  7. TEL/N9102: Interact Effectively with Team Members and Customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

#### Entry Requirement:

1. 12th grade pass  
OR
2. Completed 2nd year of 3-year diploma (after 10th)  
OR
3. Pursuing 2nd year of 3-year regular Diploma (after 10th)  
OR
4. 10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent  
OR
5. 8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS  
OR
6. 10th grade pass and pursuing continuous schooling With No Experience required  
OR
7. Previous relevant Qualification of NSQF Level 3.0 with 3 year relevant experience

**Wireless Technician-  
Telecom Products**

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



# Field Management Engineer- Telecom Products

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



## 34. Field Management Engineer- Telecom Products QP CODE: TEL/Q6202, v3.0

A Field Management (FM) Engineer coordinates with the Network Operation Centre (NOC) and transmission team to ensure a fault-free network through periodic maintenance activities and helps in fault management in case of fault occurrence at radio locations. They are also responsible for accepting new sites from the projects team and for ensuring completion of upgrade/ change activities as required.

<b>Duration-</b>	270 (T) + 270 (P) + 120 (O) = 660	<b>NSQF Level:-</b>	5	<b>Occupation -</b>	Network Operations and Maintenance
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6208: Undertake Site Acceptance Testing
3. TEL/N6209: Perform Preventive and Corrective Maintenance at Radio Locations
4. TEL/N6210: Perform Change Management at Radio Locations
5. TEL/N6500: Undertake Fault Rectification
6. TEL/N6501: Undertake Configuration Changes, Upgrades and Node Back-up Activities
7. TEL/N9103: Implement Effective Interaction at workplace
8. TEL/N9104: Manage Work, Resources and Safety at workplace
9. DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. Completed 2nd year of 3-year/ 4-years UG  
OR
2. Pursuing 2nd year of 3-year/ 4-years UG and continuing education  
OR
3. Completed 2nd year of diploma (after 12th)  
OR
4. Pursuing 2nd year of 2-year diploma after 12th with No Experience required  
OR
5. 12th pass with 2 year of any combination of NTC/NAC/CITS or equivalent with No Experience required  
OR
6. Completed 3-year diploma after 10th  
OR
7. 12th Grade pass with 1-year of NTC/NAC  
OR
8. Completed 1st year of 3-year/ 4-years UG with 1 year relevant experience  
OR
9. Previous relevant Qualification of NSQF Level 4 with 3 year relevant experience



### 35. Telecom Rigger – 5G and Legacy Networks- Telecom Products QP CODE: TEL/Q2502, v4.0

A Telecom Rigger - 5G and Legacy Networks works under supervision and is responsible for assisting in the installation and maintenance of telecom equipment on telecom structures and towers by using rigging and other installation related skills. The individual also assists in upgrading, dismantling and removing telecom equipment and cabling as per the requirement.

<b>Duration-</b>	150 (T) + 180 (P) + 120 (O) = 450	<b>NSQF Level:-</b>	5	<b>Occupation -</b>	Operation & Maintenance - Passive Infrastructure
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#### Applicable NOS's:

1. Bridge Module
2. TEL/N6310: Assist in the Installation of Telecom Equipment
3. TEL/N6323: Assist in the Maintenance, Upgrade and Decommissioning of Telecom Equipment and Sites
4. TEL/N6246: Follow the Occupational Health and Safety Instructions during Tower Climbing
5. TEL/N9101: Organise Work and Resources as per Health and Safety Standards
6. TEL/N9102: Interact Effectively with Team Members and Customers
7. DGT/VSQ/N0101: Employability Skills (30 Hours)

#### Entry Requirement:

1. Grade 9
- OR
2. Grade 8 pass and pursuing continuous schooling in regular school with vocational subject
- OR
3. 8th grade pass with 1-year relevant experience
- OR
4. 5th grade pass with 4-year relevant experience

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:




**Telecom Rigger - 5G and Legacy  
Networks- Telecom Products**

### 36. Infrastructure Technician - 5G Networks QP CODE: TEL/Q2502, v4.0

An Infrastructure Technician - 5G Networks is responsible for installing the passive infrastructure equipment at 5G network infrastructure sites to ensure power supply to 5G network and transmission equipment. The individual is also responsible for maintaining the passive infrastructure equipment. The person may also carry out regular repair and maintenance of the 5G network infrastructure.

<b>Duration-</b>	240 (T) + 210 (P) + 120 (O) = 570	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Network (Passive) Installation
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#### Applicable NOS's:

1. Grade 9  
OR
2. Grade 8 pass and pursuing continuous schooling in regular school with vocational subject  
OR
3. 8th grade pass with 1-year relevant experience  
OR
4. 5th grade pass with 4-year relevant experience

#### Entry Requirement:

1. 12th grade pass  
OR
2. Completed 2nd year of 3-year diploma (after 10th)  
OR
3. Pursuing 2nd year of 3-year regular Diploma (after 10th)  
OR
4. 10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent.  
OR
5. 8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS  
OR
6. 10th grade pass and pursuing continuous schooling with No Experience required  
OR
7. Previous relevant Qualification of NSQF Level 3.0 with 3 year relevant experience

# Infrastructure Technician - 5G Networks

# 5G

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:





# Technician 5G - Active Network Installation

SCAN QR CODE TO KNOW MORE ABOUT THIS JOB ROLE:



## 37. Technician 5G – Active Network Installation QP CODE: TEL/Q2502, v4.0

A 5G Technician - Active Network Installation is responsible for carrying out rack-level installation to install 5G network equipment and then carrying out the 5G active network installation. The individual also identifies and rectifies faults or malfunctions during the installation process.

<b>Duration-</b>	240 (T) + 210 (P) + 120 (O) = 570	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Network (Active Components) Installation
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6104: Carry out Rack Level Installation
3. TEL/N6105: Carry out 5G active network installation
4. TEL/N6246: Follow the Occupational Health and Safety Instructions during Tower Climbing
5. TEL/N9101: Organize Work and Resources as per Health and Safety Standards
6. TEL/N9102: Interact Effectively with Team Members and Customers
7. DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 11th grade pass  
OR
2. Completed 1st year of 3- year diploma (after 10th) and pursuing regular diploma  
OR
3. 10th grade pass and pursuing continuous schooling  
OR
4. 10th Grade Pass with 2 year relevant experience  
OR
5. Previous relevant Qualification of NSQF Level 3 Last Mile - Active Network Comp Installer with minimum education as 5th Grade pass with 2 year relevant experience

# Project Engineer - 5G Networks

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



## 38. Project Engineer - 5G Networks QP CODE: TEL/Q6306, v2.0

The individual in this job is responsible for ensuring that the 5G site is active and running right after successful installation and commissioning of mobile site include 5G antenna, MIMO of Next Generation Nodes (gNodes). The individual should also possess knowledge of passive and active hardware equipment and the software at the time of installation. In addition, the individual is responsible in performing site acceptance test (include site audit, VSWR testing call testing and measuring physical positioning of antenna i.e., antenna tilt, azimuth, zenith angle, etc.

<b>Duration-</b>	270 (T) + 270 (P) + 120 (O) = 660	<b>NSQF Level:-</b>	5	<b>Occupation -</b>	Project Engineering
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### Applicable NOS's:

1. Bridge Module
  2. TEL/N6319: Check Availability of Hardware Equipment at the Site Location
  3. TEL/N6320: Perform Installation and Commissioning of 5G Tower Site
  4. TEL/N6321: Perform Compliance and Quality Checks
  5. TEL/N6322: Carry out Acceptance Testing and Site Monitoring
  6. TEL/N9103: Implement Effective Interaction at workplace
  7. TEL/N9104: Manage Work, Resources and Safety at workplace
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. Completed 1st year of UG (UG Certificate)  
OR
2. Pursuing 2nd year of UG  
OR
3. Completed 1st year of diploma (after 12th)  
OR
4. Pursuing 2nd year of 2- year diploma after 12th  
OR
5. Completed 3-year diploma after 10th with 1-year relevant experience  
OR
6. Previous relevant Qualification of NSQF Level 4 5G Technician – Active Network Installation and with minimum education as 8th Grade pass with 3-year relevant experience



## 39. System Architect – 5G Cloud RAN QP CODE: TEL/Q6306, v2.0

A System Architect - 5G Cloud RAN is responsible for developing and implementing system architecture for 5G Cloud Radio Access Network (RAN) to enable high-speed wireless telecommunication over a virtualised and centralised or edge cloud network

<b>Duration-</b>	330 (T) + 330 (P) + 120 (O) = 780	<b>NSQF Level:-</b>	6	<b>Occupation -</b>	Project Engineering
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6316: Prepare for the Delivery of 5G Cloud RAN Project
3. TEL/N6317: Use the appropriate hardware platform and environment for 5G Cloud RAN
4. TEL/N6318: Manage orchestration, automation, and RAN programmability
5. TEL/N9103: Implement Effective Interaction at workplace
6. TEL/N9104: Manage Work, Resources and Safety at workplace
- DGT/VSQ/N0103: Employability Skills (90 Hours)

### Entry Requirement:

1. Pursuing first year of 2-year PG program after completing 3-year UG degree  
OR
  2. Pursuing 1-year PG diploma after 3-year UG degree  
OR
  3. Completed 4th year UG (in case of 4-year UG)  
OR
  4. Pursuing 4th year UG (in case of 4-year UG) and continuing education with No Experience Required  
OR
  5. Completed 3-Year UG Degree with 1 year relevant experience  
OR
  6. 12th Grade Pass with 2 years of any combination of NTC/NAC/CITS
  7. Completed 2 year of diploma after 12th with 2 year relevant experience  
OR
- Previous relevant Qualification of NSQF Level 5 with 3 years relevant experience

**System Architect -  
5G Cloud RAN**

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:





# Technician - Automatic Train Protection System

SCAN QR CODE TO KNOW MORE ABOUT THIS JOB ROLE



## 40. Technician - Automatic Train Protection System (ATPS) QP CODE: TEL/Q6306, v2.0

An ATPS Technician is responsible for performing various activities, such as the installation of Radio Frequency (RF) antennas, Ultra High Frequency (UHF) antennas, feeder cables, and Radio Frequency Identification Tags (RFID) tags. The individual is also responsible for laying, terminating, splicing, and rectifying fibre, optical fibre, and copper cables. The individual also performs mast rigging operations, including mounting and aligning antennas

<b>Duration-</b>	240 (T) + 210 (P) + 120 (O) = 570	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Project Engineering
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### Applicable NOS's:

1. Bridge Module
2. TEL/N2500: High density hand soldering of components on telecom boards
3. TEL/N4126: Handle fiber Constructs, Performance and Selection Criteria
4. TEL/N4200: Installation of passive FTTH/X components
5. TEL/N6400: Splice Optical Fiber
6. TEL/N0111: Lay cable/system wiring and install equipment at customer premises
7. TEL/N6210: Perform Change Management at Radio Locations
8. TEL/N6310: Assist in the Installation of Telecom Equipment
9. TEL/N6311: Install RFID Tags on Pre-Stressed Concrete (PSC) Sleepers
10. TEL/N6300: Install SDH, DWDM, L2 and L3 Equipment
11. TEL/N6302: Perform Commissioning of SDH, DWDM, L2 and L3 Equipment
12. DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 12th grade pass  
OR
2. Completed 2nd year of 3-year diploma (after 10th)  
OR
3. Pursuing 2nd year of 3-year regular Diploma (after 10th)  
OR
4. 10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent  
OR
5. 8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS  
OR
6. 10th grade pass and pursuing continuous schooling With No Experience required  
OR
7. Previous relevant Qualification of NSQF Level 3.0 with 3 year relevant experience



# Technician - Automatic Train Protection System

SCAN QR CODE TO KNOW MORE ABOUT THIS JOB ROLE



## 41. Technical Supervisor - Automatic Train Protection System (ATPS) QP CODE: TEL/Q6306, v2.0

A Technical Supervisor is responsible for carrying out various activities, such as planning and supervising the installation of stationary iATP - Kavach (indigenous Automatic Train Protection System), Loco iATP, and iATP systems and sub-systems, e.g. Radio Frequency Identification (RFID) Tags and readers. The individual is also responsible for soil testing and foundation of railway telecom towers, testing and maintenance of iATP systems and sub-systems, including fault localisation and troubleshooting. They are also responsible for OFC cable laying, jointing/splicing, termination, testing and documentation of the OFC cable plant. They also supervises a team of technicians and workers.

<b>Duration-</b>	180 (T) + 210 (P) + 210 (O) = 600	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Project Engineering
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### Applicable NOS's:

1. Bridge Module
2. TEL/N2500: High density hand soldering of components on telecom boards
3. TEL/N4126: Handle fiber Constructs, Performance and Selection Criteria
4. TEL/N4200: Installation of passive FTTH/X components
5. TEL/N6238: Tower Site Performance Measurement and Parameter Recording
6. TEL/N6239: Tower Site Data Analysis and Reporting
7. TEL/N6240: Tower Site Optimization and Troubleshooting
8. TEL/N6315: Lay Wiring for Locomotives and Perform Testing
9. TEL/N6312: Plan and Supervise the Installation of RFID tags and Readers
10. TEL/N4118: Tower/Bay Installation Mechanical
11. TEL/N4119: Tower/Bay installation Electrical
12. TEL/N6313: Carry out the testing and troubleshooting of iATP sub-systems
13. TEL/N6314: Set up, simulate and test the Station and Loco Kavach
14. TEL/N6307: Provisioning of Active Network Equipment
- DGT/VSQ/NO102: Employability Skills (60 Hours)

### Entry Requirement:

1. Completed 2nd year of 3-year/ 4-years UG  
OR
2. Pursuing 2nd year of 3-year/ 4-years UG and continuing education  
OR
3. Completed 2nd year of diploma (after 12th)  
OR
4. Pursuing 2nd year of 2-year diploma after 12th with No Experience required  
OR
5. Previous relevant Qualification of NSQF Level 4 with 3 year relevant experience

## 42. AI Devices Installation Operator QP CODE: TEL/Q6306, v2.0

The individual in this job is responsible for collecting and analysing the data from the customers for installation of Artificial Intelligence (AI) devices, their usage and application in the client business scenarios. The individual is also responsible for installing the devices and then verifying the efficiency and application of the installed devices as per customer expectations.

<b>Duration-</b>	150 (T) + 150 (P) + 120 (O) = 420	<b>NSQF Level:-</b>	3	<b>Occupation -</b>	Network (Active Components) Installation
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6106: Preparing for Installation of AI Devices
3. TEL/N6107: Install AI Devices in the Proposed Business Model
4. TEL/N6108: Predictive maintenance using AI devices
5. TEL/N9101: Organize work and resources as per health and safety standards
6. TEL/N9102: Interact effectively with team members and customers
- DGT/VSQ/N0101: Employability Skills (30 Hours)

### Entry Requirement:

1. Grade 10 pass
- OR
2. Grade 8 pass with two year of (NTC/ NAC) after 8th
- OR
3. Grade 8 pass and pursuing continuous schooling in regular school with No Experience required
- OR
4. Previous relevant Qualification of NSQF Level 2 with 3 year relevant experience

**AI Devices  
Installation  
Operator**

ARTIFICIAL  
INTELLIGENCE

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:





# Jr. Technician - Last Mile Active Network

SCAN QR CODE TO KNOW MORE ABOUT THIS JOB ROLE:



## 43.Jr. Technician - Last Mile Active Network QP CODE: TEL/Q6306, v2.0

An individual is responsible for installing network devices such as network switch, router, and LAN and WAN devices. The individual is also responsible for carrying out preventive and corrective maintenance of the network devices.

<b>Duration-</b>	150 (T) + 150 (P) + 120 (O) = 420	<b>NSQF Level:-</b>	3	<b>Occupation -</b>	Network (Active Components) Installation
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6109: Install the Local Area Network (LAN) and Wide Area Network (WAN) devices
3. TEL/N6110: Set up and Configuration of Network Switch and Router
4. TEL/N6111: Carry out Maintenance of Network Devices
5. TEL/N9101: Organize work and resources as per health and safety standards
6. TEL/N9102: Interact effectively with team members and customers
7. DGT/VSQ/N0101: Employability Skills (30 Hours)

### Entry Requirement:

1. Grade 10 pass  
OR
2. Grade 8 pass with two year of (NTC/ NAC) after 8th  
OR
3. Grade 8 pass and pursuing continuous schooling in regular school with No Experience required  
OR
4. Previous relevant Qualification of NSQF Level 2 with 3 year relevant experience

## 44. IoT Technical Service Operator QP CODE: TEL/Q6306, v2.0

IoT Technical Service Operator is responsible for providing technical support concerning the Internet of Things (IoT) systems, including diagnosing and rectifying faults in them. The individual attends to the client queries and provides appropriate solutions following the organisational standards.

<b>Duration-</b>	240 (T) + 270 (P) + 240 (O) = 750	<b>NSQF Level:-</b>	3	<b>Occupation</b>	Network Operation and Maintenance
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6252: Carry out Troubleshooting for IoT Devices and Connectivity Issues
3. TEL/N6253: Assist in Providing IoT Solutions to Clients
4. TEL/N9101: Organize work and resources as per health and safety standards
5. TEL/N9102: Interact effectively with team members and customers
6. DGT/VSQ/NO101: Employability Skills (30 Hours)
7. TEL/N6254: Assist in Creating Smart Cities by Implementing Internet of Things (IoT) Solutions
8. TEL/N6255: Use Internet of Things (IoT) Technology in Agriculture
9. TEL/N6256: Use Internet of Things (IoT) Technology in Telemedicine
10. TEL/N6257: Use Internet of Things (IoT) Technology in Transport

### Entry Requirement:

1. Grade 10 pass  
OR
2. Grade 8 pass with two year of (NTC/ NAC) after 8th  
OR
3. Grade 8 pass and pursuing continuous schooling in regular school with No Experience required  
OR
4. Previous relevant Qualification of NSQF Level 2 with 3 year relevant experience

IoT Technical Service Operator

IOT

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE





SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



# Drone Monitoring and Maintenance Associate

## 45.Drone Monitoring and Maintenance Associate QP CODE: TEL/Q6306, v2.0

The individual in this job role will be responsible for monitoring and maintenance of 5G enabled drone systems and manage and analyse drone data using 5G connectivity. They are also responsible for the repair and maintenance of drone hardware and software systems.

<b>Duration-</b>	150 (T) + 150 (P) + 120 (O) = 420	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Network Operation and Maintenance
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### Applicable NOS's:

- 1.Bridge Module
  - 2.TEL/N6258: Manage and Analyse Drone Data
  - 3.TEL/N6259: Operate and Maintain the Drone System
  - 4.TEL/N9101: Organize work and resources as per health and safety standards
  - 5.TEL/N9102: Interact effectively with team members and customers
- DGT/VSQ/N0101: Employability Skills (30 Hours)

### Entry Requirement:

- 1.Grade 10 pass  
OR
- 2.Grade 8 pass with two year of (NTC/ NAC) after 8th  
OR
- 3.Grade 8 pass and pursuing continuous schooling in regular school  
with No Experience required  
OR
- 4.Previous relevant Qualification of NSQF Level 2 with 3 year relevant experience

## 46. AI & ML - Jr. Telecom Data Analyst QP CODE: TEL/Q6306, v2.0

An AI & ML - Jr. Telecom Data Analyst is responsible for using the relevant Artificial Intelligence (AI) technologies for collecting, processing, and obtaining statistical information from datasets. The individual draws actionable insights and presents the data to the stakeholders for decision-making.

<b>Duration-</b>	240 (T) + 210 (P) + 120 (O) = 570	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Data Handling – Network Managed Services
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### Applicable NOS's:

1. Bridge Module
2. TEL/N6607: Collect Data using AI Tools
3. TEL/N6608: Analyze Data using AI Tools and Utilize data in Business Productivity
4. TEL/N9101: Organize work and resources as per health and safety standards
5. TEL/N9102: Interact effectively with team members and customers
6. DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. 12th grade pass  
OR
2. Completed 2nd year of 3-year diploma (after 10th)  
OR
3. Pursuing 2nd year of 3-year regular Diploma (after 10th)  
OR
4. 10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent  
OR
5. 8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS  
OR
6. 10th grade pass and pursuing continuous schooling With No Experience required  
OR
7. Previous relevant Qualification of NSQF Level 3.0 with 3 year relevant experience

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



**AI & ML - Jr. Telecom  
Data Analyst**



SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



# Cloud Computing - Jr. Analyst

## 47.Cloud Computing - Jr. Analyst QP CODE: TEL/Q6306, v2.0

A Cloud Computing - Jr. Analyst is responsible for carrying out various tests on software and applications using cloud computing services to ensure that it meets the user requirements and functions as expected. The individual also coordinates the test preparation activities, fixes the identified bugs for optimum software/ application performance, and carries out documentation activities.

<b>Duration-</b>	180 (T) + 210 (P) + 120 (O) = 510	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Network Operation and Maintenance
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### Applicable NOS's:

- 1.Bridge Module
  - 2.TEL/N6247: Prepare for Software or Application Cloud Testing
  - 3.TEL/N6248: Carry out Cloud Testing and Fix Identified Bugs and Defects
  - 4.TEL/N9101: Organize work and resources as per health and safety standards
  - 5.TEL/N9102: Interact effectively with team members and customers
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

- 1.12th grade pass  
OR
- 2.Completed 2nd year of 3-year diploma (after 10th)  
OR
- 3.Pursuing 2nd year of 3-year regular Diploma (after 10th)  
OR
- 4.10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent  
OR
- 5.8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS  
OR
- 6.10th grade pass and pursuing continuous schooling With No Experience required  
OR
- 7.Previous relevant Qualification of NSQF Level 3.0 with 3 year relevant experience

## 48.Machine Learning (ML) Engineer QP CODE: TEL/Q6306, v2.0

An AI & ML - Jr. Telecom Data Analyst is responsible for using the relevant Artificial Intelligence (AI) technologies for collecting, processing, and obtaining statistical information from datasets. The individual draws actionable insights and presents the data to the stakeholders for decision-making.

<b>Duration-</b>	240 (T) + 270 (P) + 120 (O) = 630	<b>NSQF Level:-</b>	5	<b>Occupation -</b>	Data Handling - Network Managed Services
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### Applicable NOS's:

- 1.Bridge Module
- 2.TEL/N6605: Prepare to Develop Machine Learning (ML) Systems
- 3.TEL/N6606: Develop and Assist in the Implementation of Machine Learning (ML) Systems
- 4.TEL/N9103: Implement effective interaction at workplace
- 5.TEL/N9104: Manage work, Resource and safety at workplace
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

- 1.Completed 2nd year of 3-year/ 4-years UG  
OR
- 2.Pursuing 2nd year of 3-year/ 4-years UG and continuing education  
OR
- 3.Completed 2nd year of diploma (after 12th)  
OR
- 4.Pursuing 2nd year of 2-year diploma after 12th with No Experience required  
OR
- 5.12th pass with 2 year of any combination of NTC/NAC/CITS or equivalent with No Experience required  
OR
- 6.Completed 3-year diploma after 10th  
OR
- 7.12th Grade pass with 1-year of NTC/NAC  
OR
- 8.Completed 1st year of 3-year/ 4-years UG with 1 year relevant experience  
OR
- 9.12th Grade pass with 2 year relevant experience  
OR
10. 10th Grade pass with 4 year relevant experience  
OR
11. Previous relevant Qualification of NSQF Level 4 with 3 year relevant experience

**(ML) Engineer**

SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:





SCAN QR CODE TO KNOW  
MORE ABOUT THIS JOB ROLE:



# IoT Installation Solution Architect

## 49.IoT Installation Solution Architect QP CODE: TEL/Q6306, v2.0

The individual in this job is responsible for conducting the site survey for layout, planning and designing for installation and deployment of IoT sensors/devices, IoT gateways and access layer connectivity in IoT ecosystem to suggest and implement the best IoT solution for the business model.

<b>Duration-</b>	240 (T) + 270 (P) + 120 (O) = 630	<b>NSQF Level:-</b>	5	<b>Occupation -</b>	Network Operation and Maintenance
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### Applicable NOS's:

- 1.Bridge Module
- 2.TEL/N6260 – Perform Market Analysis on Application of IoT
- 3.TEL/N6261 – Supervise in installation of IoT devices and system
- 4.TEL/N6262 – Administer acceptance testing and site optimization activities
- 5.TEL/N9103: Implement effective interaction at workplace
- 6.TEL/N9104: Manage work, Resource and safety at workplace
- 7.DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

Completed 2nd year of 3-year/ 4-years UG  
OR  
Pursuing 2nd year of 3-year/ 4-years UG and continuing education  
OR  
Completed 2nd year of diploma (after 12th)  
OR  
Pursuing 2nd year of 2-year diploma after 12th with No Experience required  
OR  
12th pass with 2 year of any combination of NTC/NAC/CITS or equivalent with No Experience required  
OR  
Completed 3-year diploma after 10th  
OR  
12th Grade pass with 1-year of NTC/NAC  
OR  
Completed 1st year of 3-year/ 4-years UG with 1 year relevant experience  
OR  
12th Grade pass with 2 year relevant experience  
OR  
10th Grade pass with 4 year relevant experience  
OR  
Previous relevant Qualification of NSQF Level 4 with 3 year relevant experience

# TELECOM ग्रामीण उद्यमी

A Multiskilling Project for the next Digital Entrepreneurs of India

The individual in this job role is responsible for installing, configuring, and testing CPE (modem, routers, and switches) for broadband access, Wi-Fi backhaul equipment, Wi-Fi access points, and Optical Fiber Cables (OFCs). The individual will also repair handsets for hardware and software issues and conduct post-repair/service testing. Additionally, they can undertake power supply checks and UPS installation at service provider/customer premise.

## Telecom Grameen Udyami: A Skill Development Outreach Project by Telecom Sector Skill Council

Telecom Sector Skill Council is developing “Telecom Grameen Udyami”, a Qualification pack catering to multiple skill sets in a single asset, assigned to each village in India.

Electrical Basics

Wiring and Installation

Optical Fiber

FTTH/X

Troubleshooting Faults

Repair and Testing Handsets

Entrepreneurship

Employability Skills

DURATION  
240 (T) + 270 (P) + 120 (O)  
**630 HOURS**

NSQF LEVEL  
**4**

## Applicable NOS's:

1. Bridge Module
2. CON/N0602 Handle hand and power tools relevant to construction electrical works
3. TEL/N4122–Wiring and installing equipment at different sites
4. TEL/N6400 – Splice Optical Fiber
5. TEL/N4201 - In -building FTTH/X Cabling
6. TEL/N0112 – Configure customer premises equipment and establish Broadband connectivity
7. TEL/N0113 – Troubleshoot and rectify faults
8. TEL/N2213: Repair and test handsets
9. TEL/ N4141: Provide techpreneurial Solutions in the Village
10. DGT/VSQ/N0102: Employability Skills (60 Hours)

## Entry Requirement:

1. Grade 12 pass
2. Completed 2nd year of 3-year diploma (after 10th)
3. Pursuing 2nd year of 3 year regular Diploma (after 10th)
4. 11th Grade Pass with 1 year of relevant experience
5. 10th Grade Pass with 2 years relevant experience
6. Previous relevant Qualification of NSQF Level 3.0 with 3 years of relevant experience





## 51.5G System Integrator | QP CODE: TEL/Q4302, v1.0

5G System Integrator is responsible for designing, implementing, and maintaining 5G network. The individual collaborates with cross-functional teams to develop and optimize network solutions, ensuring high-speed connectivity, low latency, and reliable performance. Their duties include planning network architecture, troubleshooting network issues, conducting system testing, and staying updated with emerging 5G technologies. They also play a crucial role in enabling the deployment and efficient operation of 5G networks to support the evolving demands of the telecommunications industry.

<b>Duration-</b>	240 (T) + 270 (P) + 120 (O) = 630	<b>NSQF Level:-</b>	4	<b>Occupation -</b>	Customer Service/ Passive Infrastructure
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### Applicable NOS's:

- 1. Bridge Module
- 2. TEL/N4205: Set Standards for 5G Network Architecture
- 3. TEL/N4206: Verify and Prepare Hardware Equipment for 5G Installation
- 4. TEL/N4207: Design Spectrum and 5G Network Architecture
- 5. TEL/N4208: Implement 5G New Radio (NR) and Radio Access
- DGT/VSQ/N0102: Employability Skills (60 Hours)

### Entry Requirement:

1. Completed 2nd year of 3-years/4-years UG (Electronics/ Telecom/IT and other relevant domains) with No Experience required OR
2. Pursuing 2nd year of 3-years/4-years UG (Electronics/ Telecom/IT and other relevant domains) and continuing education with No Experience required OR
3. Completed 1st year of 3-years/4-years UG (Electronics/ Telecom/IT and other relevant domains) with One year of Experience required OR
4. Completed 3-year diploma (Electronics/ Telecom/IT and other relevant domains) after 10 with One year of Experience required OR
5. 12th Grade pass with 2 year relevant experience



# 5G

## 5G System Integrator

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SCAN TO KNOW MORE



# Centre of Excellence

Skill lab is envisioned to provide hands-on approach towards leading-edge technologies such as 5G, Artificial Intelligence/ Machine Learning, Internet of Things, Security & Surveillance, and more. A Skill Lab ensures best practices in the industry along with skill training in key emerging areas with knowledge deficits and a skill gap.

Telecom Sector Skill Council has pledged to take initiatives to overcome the demand-supply gap between industry requirements and talents. Industries are looking for a skilled talent pool and it is important that high-quality skills and industry training are ensued to the masses. With focused labs, Telecom SSC aims to build the foundation and prepare young Indians for the future.

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



5G Technology



Internet of Things



Line Assembler



Drone Technology



Advance Security Surveillance



Optical Fiber



Handheld Device Repair



Former Minister Ravi Shankar Prasad  
Inaugurated CoE at NIT Patna



Hon'ble Cabinet Minister for Labour, Skill  
Development & Employment, Shri  
Balvantsinh Rajput inaugurated CoE at  
Kaushalya University Gujarat



# Corporate Social Responsibility

Benefits of CSR disposition through Telecom SSC



## COMPLIANCE

Telecom SSC has **CSR-1, 12A** and **80G** compliance making us eligible for CSR fund disposition



## COVERAGE

PAN India reach to land the projects with established proof of execution



## GROWTH

Projects designed to create high impact by enhancing employability of the beneficiaries



## VISIBILITY

Branding opportunity and positioning of the company as a social welfare leader



## CUSTOMIZABLE

Custom projects can be created depending on request for location, job role etc.

CSR Projects in FY 2022-23



Centre of Excellence – Lab setup and training at Delhi Skill and Entrepreneurship University (DSEU), Okhla, New Delhi. The courses for training at the Centre of Excellence are:

- 5G
- Internet of Things
- Advance Security surveillance
- Handset Repair Engineering
- Line Assembly



5 Labs setup and training at Kaushalya The Skill University, Ahmedabad, Gujarat. The courses for training at the Centre of Excellence are:

- 5G
- Internet of Things
- Advance Security surveillance
- Handset Repair Engineering
- Line Assembly



Centre of Excellence – Lab setup and training at NSTI, Noida. The courses for training at the Centre of Excellence are:

- Internet of Things



Centre of Excellence – Lab setup and training at Government College for Girls, Sector 14, Gurugram. The courses for training at the Centre of Excellence are:

- Call Center Executive
- In-Store Promoter



Classroom and Blended Training for seven job roles plus On the job training. The courses for training in classroom:

- 5G Engineer
- Internet of Things Technician
- Optical Fiber Technician
- Handset Repair Technician

Courses for online training mode: In-Store Promoter | Field Sales Executive | Call Centre Executive



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