





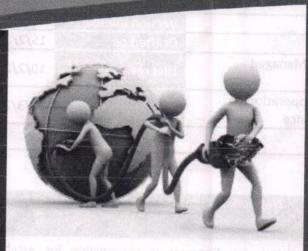
QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR TELECOM INDUSTRY

What are cupational andards(OS)?

- OS describe what individuals need to do, know and nderstand in order to carry out a particular job role or function
- ➤ OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with ecifications of the underpinning knowledge and understanding

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Contents

- 1. Introduction and Contacts.....
- 2. Qualification Pack.....
- 3. Glossary of key Terms.....
- 4. OS Units.
- 5. Assessment Criteria....

Introduction Qualifications Pack- Network Engineer

SECTOR: TELECOM

SUB-SECTOR: Network Managed Services

OCCUPATION: Network Maintainance & Operations

REFERENCE ID: TEL/Q6209

ALIGNED TO: NCO-2004/NIL

Brief Job Description: Network Engineer is responsible for establishing network infrastructure. Carry out preventive maintenance of the network by ensuring connectivity is maintained always & is error and loop free. Person should be able to perform corrective maintenance & needs to troubleshoot during network failure.

Personal Attributes: This job requires the individual to work closely with multiple teams and third party vendors. The individual should be willing to work on-field and be able to handle high pressure situations. He should be adaptable to changing work environments and have good practical knowledge to successfully perform the assigned responsibilities.



Definitions

Glossary & Key Terms

Understanding

the

Keywords /Terms	Description		
Sector guereal of year year many	Sector is a conglomeration of different business operations having similar businesses and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.		
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.		
Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry.		
Function	Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.		
Job Role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.		
os	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.		
Performance Criteria	Performance Criteria are statements that together specify the standard of performance required when carrying out a task.		
NOS	NOS are Occupational Standards which apply uniquely in the Indian context.		
Qualifications Pack Code	Qualifications Pack Code is a unique reference code that identifies a qualifications pack.		
Qualifications Pack	Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.		
Jnit Code	Unit Code is a unique identifier for an Occupational Standard, which is denoted by an 'N'.		
Jnit Title	Unit Title gives a clear overall statement about what the incumbent should be able to do.		
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.		
(nowledge and	Knowledge and Understanding are statements which together specify		

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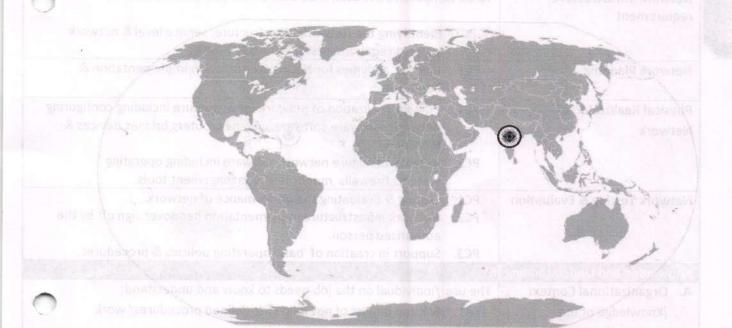
TEL/N6231





Establishment of Network Infrastructure

National Occupational Standard



Overview

This unit describes the outcomes required to understand the requirement and physically realizes the network and evaluate the performance.





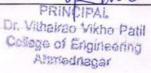
NOS National Occupational Standards



TEL/N6231

Establishment of Network Infrastructure

o rettia faults. Unionica chainest facciniese u	KB8. organizational architecture of information technology business systems				
Skills (s)	AND THE RESIDENCE OF THE PARTY				
A. Core Skills/ Generic Skills	Writing Skills				
	The person In this job must know and understand how to:				
	SA1. Fill up appropriate technical forms, activity logs in required format or				
	the company				
	SA2. report network operational status by gathering information				
	Reading Skills				
	The person in this job must know and understand how to:				
	SA3. Read and understand manuals, work orders, health and safety				
	instructions, memos, reports etc.				
	Oral Communication (Listening and Speaking skills)				
	The person in this job must know and understand how to:				
	SA4. Liaise and coordinate with third party vendors				
	SA5. provide remote support of on-site engineers and end				
	users/customers during installation				
	SA6. Communicate with supervisor and peers				
B. Professional Skills	Decision Making				
	The person in this job must know and understand how to:				
	SB1. Prioritize and execute tasks in a high-pressure environment				
	SB2. Handle multiple tasks and completing them successfully within due				
	timelines				
	SB3. Use and maintain resources efficiently and effectively				
	SB4. Be flexible and accept changes in job requirements, schedules, or				
	work environments				
	Plan and Organize				
	The person in this job must know and understand how to:				
	A to a state of the state of th				
	SB5. plan and organize service feedback files/documents				
	Customer Centricity				
	The person in this job must know and understand how to:				
	SB6. manage relationships with customers who may be stressed, frustrated, confused, or angry				
	SB7. build customer relationships and use customer centric approach				
	Analytical Thinking				
	NA				
	Critical Thinking				
	The person in this job must know and understand how to:				
	SB8. apply, analyze, and evaluate the information gathered from				
	observation, experience, reasoning, or communication, as a guide to				
	thought and action				
	Problem Solving				
	The person in this job must know and understand how to:				
/4	The Personal this Job Hiust know and understand nowto:				







NOS National Occupational Standards

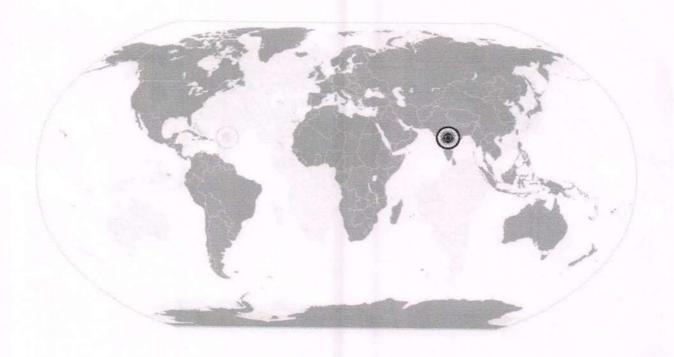


TEL/N6231

Establishment of Network Infrastructure

NOS Version Control

NOS Code		TEL/N6231	
Credits (NSQF)	TBD	Version number	1.0
Sector	Telecom	Drafted on	10/2/2016
Sub-sector	Network Managed Services	Last reviewed on	15/2/2016
Occupation	Network operations & Maintenance	Next review date	31/3/2018



this unit is about carrying out preventive maintenance the Network and reduce to



National Occupational Standards



TEL/N6232

Perform Preventive Maintenance & Monitoring

Unit Code	TEL/N6232			
Unit Title (Task)	Perform Preventive Maintenance & Monitoring			
Description	This unit is about carrying out preventive maintenance of the Network and reduce the down-time			
Scope Et was State bre rilled a state of the state of t	This unit/task covers the following: Obtain maintenance schedule & carry out inspection of Network Devices Carry out regular maintainance of network switches ,routers & devices Report & record			
Performance Criteria(PC) w.r.t.	the Scope			
Elements Obtain maintenance schedule	Performance Criteria To be competent, you must be able to:			
& carry out inspection of Network Devices	PC1. Montitor network infrastructure services using network management tools PC2. Apply diagnostic tools & techniques to identify network service leve issues & causes			
Carry out regular maintainance of network switches ,routers & devices	PC1. Produce network reports as per customer requirement PC2. Carry out inspection of Network devices based on maintenance schedule PC3. Carry out planned hardware & software upgardations			
Report & record	PC1. Obtain sign-off from the customer as per required documentation PC2. Support in creation of operating policies & procedures			
Knowledge and Understanding	(K)			
A. Organizational Context (Knowledge of the company/organization and its processes)	 You need to know and understand: KA1. Risk and impact of not following defined procedures / work instructions. KA2. Escalation matrix for reporting identified incidents, troubles and/or emergencies e.g. system failures, fire and power failures. KA3. Types of documentation in organization and importance of the same KA4. Records to be maintained and implications of non-maintenance of the same KA5. Knowledge of spares management and repair & return process for faulty equipments 			
B. Technical Knowledge	You need to know and understand: KB1. IP addressing format for IPV4 & IPV6 KB2. LAN, VLAN and their limitations.			

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NOS National Occupational Standards



TEL/N6232

Perform Preventive Maintenance & Monitoring

Analytical Thinking
NA
Critical Thinking
The person in this job must know and understand how to: SB12. apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action
thought and action
thought and action thought and action

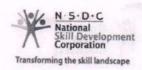








NOS
National Occupational Standards



TEL/N6233

Perform Troubleshooting & Corrective Maintenance

National Occupational Standard



Overview

This unit is about performing corrective maintenance ,troubleshooting and testing effectiveness

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National Occupational Standards



TEL/N6233 Perf	form Troubleshooting & Corrective Maintenance
Skills (s)	KB1. organisation's network topology,network management systems,hubs,switches,routers,bridges,firewalls,modems etc. KB2. vulnerablities,security threats & apt response to the identified issues KB3. network protocol standards used by networked devices for communication KB4. the usablity of various Network Management Systems KB5. Tools & techniques for network diagnostics KB6.how to monitor & report network issues KB7. Load balancing & storage protocols
C. Core Skills/ Generic Skill	S Reading Skills
Lette & benefited south models of the south models of the south management of the south models of the sout	You need to know and understand how to: SA1. Read and understand manuals, work orders, health and safety instructions, memos, reports etc. Writing Skills SA1. Fill up appropriate technical forms, activity logs in required format of the company SA2. Maintain proper records as per given format Oral Communication (Listening and Speaking skills) You need to know and understand how to: SA3. Liaise and coordinate with third party vendors SA4. Communicate with supervisor and peers SA5. Communicate in the local language.
D. Professional Skills	Decision Making
	You need to know and understand how to: SB1. Prioritize and execute tasks in a high-pressure environment and handle high pressure situations SB2. Handle multiple tasks and completing them successfully within due timelines SB3. Use and maintain resources efficiently and effectively SB4. Be flexible and accept changes in job requirements, schedules, or work environments
	Problem Solving
	You need to know and understand how to: SB2. Utilize appropriate tools to rectify faults SB3. Utilize appropriate communication channels to escalate unresolved problems to relevant personnel Plan and Organize
	The person in this job must know and understand how to:
17 Page	EGE OF COLON and understand how to:





NOS National Occupational Standards



TEL/N6233

Perform Troubleshooting & Corrective Maintenance

NOS Version Control

NOS Code	TEL/N6233			
Credits (NSQF)	TBD	Version number	1.0	
Sector	Telecom	Drafted on	10/2/2016	
Sub-sector	Network Managed Services	Last reviewed on	15/2/2016	
Occupation	Network operations & Maintainance	Next review date	31/3/2018	



This unit is about monitoring the working environment and making sure it meets requirements for health, safety and security.

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National Occupational Standards



Transforming the skill landscape

TEL/N4121

Maintain a Healthy, Safe and Secure Working Environment

Unit Code	TEL/N4121
Unit Title (Task)	Maintain a healthy, safe and secure working environment
Description	This unit is about monitoring your working environment and making sure it meets requirements for health, safety and security.
Scope	This unit/task covers the following: • Emergency procedures
	norms and services

Performance Criteria(PC) w.r.t. the Scope

Element	Performance Criteria
Emergency	To be competent, the user/individual on the job must be able to:
procedures	PC1. ensure that work is carried out in accordance to the level of competence and legal requirements
	PC2. ensure that sites are assessed for health and safety risk as per company's guidelines prior to commencement of work
	PC3. ensure environmental conditions and harm's like Earth Potential Rise (EPR) are considered while carrying out the work
	PC4. identify and correct any hazards that you can deal with safely, competently and within the limits of your authority
	PC5. report any hazards that you are not competent to deal with to the relevant person in line with organizational procedures and warn other people who may be affected
	PC6. follow your organization's emergency procedures promptly, calmly, and efficiently
	PC7. identify and recommend opportunities for improving health, safety, and security to the designated person
	PC8. complete any health and safety records legibly and accurately

knowledge and Oliderstanding (K)				
A. Organizational Context (Knowledge of the company / organization and its processes)	 The user/individual on the job needs to know and understand: KA1. legislative requirements and organization's procedures for health, safety and security and your role and responsibilities in relation to this KA2. what is meant by a hazard, including the different types of health and safety hazards that can be found in the workplace KA3. how and when to report hazards KA4. limits of your responsibility for dealing with hazards KA5. your organization's emergency procedures for different emergency situations and the importance of following these KA6. the importance of maintaining high standards of health, safety and security implications that any non-compliance with health, safety and security may 			







TEL/N4121

Maintain a Healthy, Safe and Secure Working Environment

Pro	oblem Solving
	e user/individual on the job needs to know and understand how to: 3. apply problem solving approaches in different situations
An	alytical Thinking
	e user/individual on the job needs to know and understand how to: 4. analyze data and activities
Crit	tical Thinking
	e user/individual on the job needs to know and understand how to: 5. apply balanced judgments to different situations
Cus	stomer Centricity
N	A
Crit	tical Thinking
	person in this job must know and understand how to: 6. apply, analyze, and evaluate the information gathered from observation,



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NOS National Occupational Standards



CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role : Network Engineer

Qualification Pack : TEL/Q6209

Sector Skill Council: Telecom

Guidelines for Assessment

- 1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC
- 2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC
- 3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)
- 4. Individual assessment agencies will create unique evaulations for skill practical for every student at each examination/training center based on this criteria
- 5. To pass the Qualification Pack, every trainee should score a minimum of 70% in every NOS
- 6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

		eshooting		Marks Allocation	
Assessment outcomes	Assessment Criteria for outcomes	Total Mark	Out Of	Theory	Skills Practical
8	PC1. Identifying the Network Infrastructure, service level & network support requirements	Securities work case	10	witen 5	5
0	PC2. Identify & document activities for Network installation, implementation & handover		20	10	10
	PC3. Physical realization of network Infrastructure including configuring network		nwohres	pa knil	
EL/N6231	hardware, software, switches, routers, bridges, devices & interfaces		20	5	15
stablishment f Network frastructure)	PC4. Install & configure network software including operating systems, firewalls , monitoring & management tools	100 has see	20	10	10
	PC5. Testing & Evaluating the performance of network		10	10	EXAM.
	PC6. Network infrastructure implementation handover sign off by the authorized person		10	10	Secure Small
	PC7. Support in creation of operating policies & procedures	spal with safely coron our authority	10	10	0
	25 I Page	Total	100	60	40

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Sr. No.	Modulo	Key Learning Outcomes	Equipment Required		
	Corresponding NOS Code -TEL/N6232	 Learn how to carry out planned hardware and software upgradations Know how to obtain sign-off from the customer as per required documentation 	d VSWR meter, RF		
4	Technical Knowledge and skills Theory Duration (hh:mm) 20:00 Practical Duration (hh:mm) 30:00 Corresponding NOS Code TEL/N6231 TEUN6232 TEL/N6233 TEL/N4121	 Understand the basic concepts of IP addressing format for IPV4 & IPV6 Knowledge of different network protocols TCP/IP, UDP, Telnet etc. Understand the different ways of configuring access-list Knowledge of LAN, VLAN and their limitations Understand the tools and techniques for network management & support Knowledge of Organisational network topology including all wired /wireless media devices, firewalls & industry network standards Usability of various network management systems Knowledge of network protocol standards used by networked devices for communication 	board, marker, projector		
5	Perform corrective maintenance Theory Duration (hh:mm) 15:00 Practical Duration (hh:mm) 30:00 ; Corresponding NOS Code TEL/N6233	 Learn how to monitor and administer computer network using various Network Management Systems (NMSs) Ensure the traffic gets diverted to backup link if primary link goes down Follow the organization's policies, procedures and guidelines for Network maintenance & troubleshooting Learn how to do load balancing and storage protocols 	Cables: RJ45, RS232, Hi-speed USB, console cable, Network Management tool or software		
7	Troubleshooting and testing effectiveness Theory Duration (hh:mm) 20:00 Practical Duration (hh:mm) 35:00 Corresponding NOS Code TEL/N6233	 Know how to handle the fault notifications on prompt basis Learn how to apply structured approach to network troubleshooting Know how to rectify and test effectiveness of the troubleshooting Record all network events by maintaining a network issues log Know how to register & file the remediation work carried out to resolve network issues Understand how to monitor & report network issues 	Cables: RJ45, RS232, Hi-speed USB, console cable, Network Management tool or software, Test equipment: line tester, Ethernet tester, VSWR meter, RF power meter, Optical meter		
В	Health and safety Theory Duration (hh:mm) 05:00		Laptop, white board, marker, projector, Personal protection		











This course encompasses 4 out of 4 National Occupational Standards (NOS) of "Network Engineer" Qualification Pack issued by "Telecom Sector Skill Council of India".

Sr. No.	Module	Key Learning Outcomes Equip					
1	Overview Theory Duration (hh:mm) 25:00 Practical Duration (hh:mm) 00:00 Corresponding NOS Code Bridge Module	 Introduction to data communication networks such as LAN and WAN systems Basic concept of firewalls, routers, switches, WI-FI and access points Configuration of routing and switching equipment Different routing protocols TCP/IP, UDP, Telnet etc. Basic knowledge of IP addressing both IPV4 & IPV6 Knowledge of different ways of configuring access list 	Laptop, white board, marker, projector				
2	Key concepts Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 05:00 Corresponding NOS Code NA	 Explain the various mobile and data technologies Know and understand the various product and service offerings in the telecom sector Outline the documentation process and documents needed for mobile customers Explain the key concepts related to Networking State the importance of workplace Ergonomics and respect at workplace Express the importance of data confidentiality in the telecom industry 	Laptop, white board, marker, projector				
3	Establishment of network Infrastructure Theory Duration (hh:mm) 25:00 Practical Duration (hh:mm) 25:00 Corresponding NOS Code TEL/N6231	 Identify the network infrastructure requirement Plan the activities for network installation, implementation & handover Knowledge of network infrastructure including configuring network hardware, software, routers, bridges, devices and interfaces Know how to install and configure network software including operating systems, firewalls, monitoring and management tools Know the test and evaluation procedure for the performance of network Understand the implementation of handover sign off by the authorized person Learn the basic operating policies and procedures 	Laptop, white board, marker, projector, Network management tools, Diagnostic tools, Test equipment: line tester, Ethernet tester, VSWR meter, RF power meter, Optical meter				
4	Perform preventive maintenance and monitoring the network Theory Duration (hh:mm) 20:00 Practical Duration (hh:mm) 25:00	Understand about the monitoring of network infrastructure services Know how to apply diagnostic tools and techniques to identify network service level issues and causes Learn how to carry out inspection of network devices based on maintenance schedule Understand how to generate the network reports as per customer requirement	Network management tools, Diagnostic tools, Cables: RJ45, RS232 and Hi -Speed USB, Test equipment: line tester, Ethernet tester,				

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Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Practical Duration (hh:mm) 10:00 Corresponding NOS Code TEL/N4121	 Understand on Work Environment Area Protection Learn to escalate safety incidents to relevant authorities as per guidelines Identify and correct any hazards that you can deal with safely, competently and within the limits of your authority follow your organization's emergency procedures promptly, calmly, and efficiently 	equipments like anti-static bands, harness, belts and helmets
9	Program Wrap Theory Duration (hh:mm) 05:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code NA	 Understand what is an interview Develop the skills to participate in an interview effectively Know commonly asked questions in an interview Revise and integrate learning's of the training program 	Presentation on soft skills and entrepreneurship
	Total Duration Theory Duration 120:00 Practical Duration 180:00	Unique Equipment Required: Laptop, white board, marker, projector	

Grand Total Course Duration: 300Hours, o Minutes

(This syllabus/ curriculum has been approved by Telecom Sector Skill Council of India)



Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar. Department of Electronics & Telecommunication

Date: 22/11/2017

Dear Sir/Mam

It is great pleasure to inform you that we are going to conduct following skill development programs Sanctioned by AICTE under the title Pradhan Mantri Kaushal Vikas Yojana by Technical Institutions 2017-18(AICTE-PMKVY-2017-18) Eligibilities are as follows.

Sr. No.	Course	Eligibility	Dutation
1.	Telecom Embedded Hardware Development	Diploma /Degree from Electronics/Instrumentation/Computer Science Engineering	370 Hrs.
2.	Building Automation	Diploma /Degree from Electronics/Instrumentation/Civil/Mechanical Engineering	460Hrs.

Required Documents for registration.

- 1. Adhar Card.
- 2. Diploma Degree Mark sheet/ Certificate.
- 3. Leaving Certificate.
- 4. Photographs 2.
- 5. Email ID.
- 6. Contact Number.

There is no registration fees required.

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Inform Students those who are interested.

Thanking You

Prof. Botkar J.P. Dept. of E&TC PDVVPCOEA'Nagar

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Following staff members have been appointed as the skill development committee for PMKVY-17 2018-19.

Sr. No.	Name of Faculty	Department	Designation
01	Prof. Laware A.R.	Instrumentation	Nodal officer
02	Dr. Mrs. Patil A.K.	E & TC	Member & Dept. Incharge
03	Prof. Mrs. Bhalerao P.P.	E & TC	Member, Coordinator & Trainer
04	Prof. Mrs. Botkar J.P.	E & TC	Member, Coordinator & Trainer
05	Prof. Mrs. Mane A.R.	E & TC	Trainer
06	Prof. Mrs. Kapare A.S.	E & TC	Trainer
07	Prof. Mrs. Pawase T.N.	E & TC	Trainer
08	Prof. Markad S.A.	Electrical	Member & Dept. Incharge
09	Prof. Sheikh S.K.	Electrical	Member , Coordinator & Trainer
10	Prof. Wankhade A.P.	Electrical	Trainer
11	Prof. Pandit Sumitkumar	Electrical	Trainer
12	Prof. Vidhate D.A.	I.T.	Member & Dept. Incharge
13	Prof. Dahane G.M.	I.T.	Member , Coordinator & Trainer
14	Prof. Mrs. Gayake P.S.	I.T.	Trainer
15	Prof. Mrs. Anarase K.K.	I.T.	Trainer
16	Prof. Dr. Kale K.B.	Mechanical	Member & Dept. Incharge
17	Prof. Patekar V.P.	Mechanical	Member & coordinator
18	Prof. Mrs. Chopade M.S.	Mechanical	Trainer
19	Prof. Kadu M.A.	Mechanical	Trainer
20	Prof. Kalhapure R.E.	Workshop Supdt.	Member & coordinator
21	Prof. Ghorpade D.S.	Mechanical	Trainer
22	Prof. Aher A.S.	Mechanical	Trainer
23	Prof. Shah C.R.	Mechanical	Member & coordinator
24	Prof. Darandale R.A.	Instrumentation	Trainer
25	Prof. Khemnar V.H.	Mechanical	Trainer
26	Prof. Mrs. Kawade U. R.	Civil	Member & Dept. Incharge
27	Prof. Mrs. Jamale A.H.	Civil	Member, Coordinator & Trainer
28	Prof. Bhandari P.K.	Civil	Trainer
29	Prof. Wagh M.P.	Civil	Member, Coordinator & Trainer
30	Prof. Ayansengupta	Civil	Trainer



Dr. vir RINCIPAL
College of Engineering

Responsibilities:

Verlal officer: Courses coordination along with members & departmental incharges.

tember & Dept. Incharges:

- Efforts should be taken for admission under PMKVY-TI 2018-19.
- Faculty appointment (Trainers).
- Arrangement of Labs & lecture hall as per model curriculum of PMKVY-TI 2018-19.
- Supervision of lectures/ Practicals.
- Off hour time table adjustment.

Member & Coordinators:

- Efforts should be taken for admission under PMKVY-TI 2018-19.
- Document collection from students.
- · Registration forms preparation.
- Preparation of teaching plan.
- Time table preparation.
- Course file preparation (for trainers).
- Completion of syllabus (30 % Theory & 70 % practical).
- Attendance record.
- Feedback reports from students.
- Batch Summary preparation.
- Preparation of study material.

Principal

Dr. Jayaraman Jayakumar

Copy to: - All above members



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Dr. VithalraoVikhePatil College of Engineering, ViladGhat, MIDC, Ahmednagar-414 111 Department of Electronics & Telecommunication



PradhanMantriKaushalVikasYojana for Technical Institutions (PMKVY-TI)

Course Name: Network Engineer Time Table

W.F.F / /2018

Day/Time	9-11	11-1	1-1.30	1.30-3.30	3.30-3.45	3.45-5.45
SAT	Theory	Theory	Recess	Practical	Recess	Practical
SUN	Theory	Practical		Practical		Practical

Classes will be conducted in Classroom. Practicals will be conducted in Lab-ETC11

Module	Network Engineer	Name of the Faculty
I	Overview	Prof.J.P.Botkar
II	Key concepts	Prof.S.J.Wamane/Mr.S.L.Tambe
III	Establishment of network Infrastructure	Prof.S.J.Wamane/Mr.S.L.Tambe
IV	Perform preventive maintenance and monitoring the network	Prof.S.J.Wamane/Mr.S.L.Tambe
V	Technical Knowledge and skills	Prof.S.J.Wamane/Mr.S.L.Tambe
VI	Perform corrective maintenance	Prof.S.J.Wamane/Mr.S.L.Tambe
VII	Perform corrective maintenance	Prof.S.J.Wamane/Mr.S.L.Tambe
VIII	Health and safety	Prof.S.J.Wamane/Mr.S.L.Tambe
IX	Program Wrap	Prof.S.J.Wamane/Mr.S.L.Tambe

Course Coordinator Network Engineer HOD E &TC

Nodal Officer PMKVY Principal

Copy to:

Principal DVVP,COE for info.



Dr. Vithalrao Vikhe Patil College of Engineering



Dr. Vithalrao Vikhe Patil College of Engineering, Vilad Ghat, MIDC, Ahmednagar-414 111 Department of Electronics & Telecommunication Pradhan Mantri Kaushal Vikas Yojana for Technical Institutions(PMKVY-TI)

			Teaching Plan		
Qualification Pack Name & Reference ID.	•	TEL/Q6 29	Program Name	:	Network Engineer

Module	Lect No.	Subject Topics	Expected Date
	3L	Introduction to data communication networks such as LAN and WAN systems	27/10/2018
	5L	Basic concept of firewalls,routers,switches,WI- Fland access points	27/10/2018
I	3L	Configuration of routing and switching equipment	28/10//2018
Overview	6L	Different routing protocols TCP/IP,UDP,Telnet etc	28/10//2018
	4L	Basic knowledge of IP addressing both IPV4 & IPV6	11/11//2018
	4L	Knowledge of different ways of configuring access lis.	11/11//2018
	3L	Explain the various mobile and data technologies	
II Key concepts	3L	Know and understand the various product and service offerings in the telecom sector, Outline the documentation process and documents needed for mobile customers	17/11/2018
	2L	Explain the key concepts related to Networking	17/11/2018
	1L	State the importance of workplace	17/11/2018
	2L	Ergonomics and respect at workplace,	18/11/2018
	2L	Express the importance of data confidentiality in the telecom industry	18/11/2018
	3L	Identify the network infrastructure requirement	24/11/2018
Ш	5L	Plan the activities for network installation, implementation & handover	25/11/2018
Establishment of network Infrastructure	6L	Knowledge of network infrastructure including configuring network hardware, software, routers, bridges, devices and interfaces	01/12/2018
14	6L	Know how to install and configure network software including operating systems, firewalls, monitoring and management tools	02/12/2018
	2L	Know the test and evaluation procedure for the performance of network	08/12/2018
	3L	Understand the implementation of handover sign off by the authorized person, Learn the	09/12/2018



PRINCIPAL Dr. Vitholine Vikhe Patil Colors of Engineering



Dr. Vithalrao Vikhe Patil College of Engineering, Vilad Ghat, MIDC, Ahmednagar-414 111 Department of Electronics & Telecommunication Pradhan Mantri Kaushal Vikas Yojana for Technical Institutions(PMKVY-TI)

		basicoperating policies and procedures	
IV Perform preventive maintenance and	3L	Understand about the monitoring ofnetwork infrastructure services	15/12/2018
monitoring the network	3L	Know how to apply diagnostic tools and techniques to identify network service level issues and causes	16/12/2018
	4L	Learn how to carry out inspection of network devices based on maintenance schedule	22/12/2018
	4L	Understand how to generate the network reports as per customer requirement	23/12/2018
	3L	Learn how to carry out planned hardware and software upgradations	29/12/2018
-	3L	Know how to obtain sign-off from the customer as per required documentation	30/12/2019
V Technical	3L	Understand the basic concepts of IP addressing format for IPV4 & IPV6	05/01/2019
Knowledge and skills	4L	Knowledge of different network protocols TCP/IP,UDP, Telnet etc	06/01/2019
	3L	Understand the different ways of configuring access-list	12/01/2019
	4L	Knowledge of LAN,VLAN and their limitations, Understand the tools and techniques for network management & support	13/01/2019
	3L	Knowledge of Organisational network topology including all wired /wireless media devices, firewalls&industry network standards	19/01/2019
	3L	Usability of various network management systems, Knowledge of network protocol standards used by networked devices for communication	20/01/2019
VI Perform corrective	4L	Learn how to monitor and administer computer network using various Network Management Systems (NMSs)	27/01/2019 & 02/02/2019
maintenance	3L	Ensure the traffic gets diverted to backup link if primary link goes down	03/02/2019 & 09/02/2019
	4L	Follow the organization's policies, procedures and guidelines for Network maintenance & troubleshooting	10/02/2019
	4L	Learn how to do load balancing and storage	16/02/2019
VII	2L	Know how to handle the fault notifications on	17/02/2019



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Dr. Vithalrao Vikhe Patil College of Engineering, Vilad Ghat, MIDC, Ahmednagar-414 111 Department of Electronics & Telecommunication Pradhan Mantri Kaushal Vikas Yojana for Technical Institutions(PMKVY-TI)

Troubleshooting		prompt basis	
and testing effectiveness	2L	Learn how to apply structured approach to network troubleshooting	17/02/2019
	2L	Know how to rectify and test effectiveness of the troubleshooting	23/02/2019
	2L	Record all network events by maintaining a network issues log	23/02/2019
	2L	Know how to register & file the remediation work carried out to resolve network issues	24/02/2019
	3L	Understand how to monitor & report network issues ,Learn how to apply structured approach to network troubleshooting	02/03/2019
	3L	Know how to rectify and test effectiveness of the troubleshooting, Record all network events by maintaining a network issues log	03/03/2019
	4L	Know how to register & file the remediation work carried out to resolve network issues, Understand how to monitor & report network issues	09/03/2019
VIII Health and safety	1L	Learn about General Safety while handling electrical/electronic devices)	10/03/2019
	1L	Understand Proper use of PPE (Personal Protective Equipment's	10/03/2019
	1L	Understand on Work Environment Area Protection	10/03/2019
	2L	Learn to escalate safety incidents to relevant authorities as per guidelines, Identify and correct any hazards that you can deal with safely, competentlyand within the limits of your authority	16/03/2019
	1L	follow your organization's emergency procedures promptly, calmly, and efficiently	16/03/2019
IX	1L	Understand what is an interview	17/03/2019
Program Wrap	1L	Develop the skills to participate in an interview effectively	17/03/2019
	1L	Know commonly asked questions in an interview	17/03/2019
	2L	Revise and integrate learning's of the training program	23/03/2019



PMKVY Student List Applet

PMKVY Student List Applet Student Id Title First Name	e Middle Name	Last Name	Mother's Name	Father's Name Landli	ine Mobile Gender No Number	Date of Birth Sector Specialization	NSQF Level	Highest Education attained	Record D Created Adm On
✓ 1-4094957353 Mr. SHUBHAM	RAJESH	KASAR	VARSHA	RAJESH	8805208482 M	03/08/1996 Telecom Network Engineer	4	B.E	03/10/2018 05/09
✓ 1-4094957356 Mr. SOMNATH	BABAJI	VANVE	PADAM	BABAJI	8975514845 M	13/01/1996 Telecom Network Engineer	4	B.E	03/10/2018 05/05 ~
1-4094957359 Mrs. KALPANA	RAVINDRA	SHINDE	LEELA	RAVINDRA	8857041197 F 83 08390417	25/08/1980 Telecom Network Engineer	4	DIPLOMA	. 03/10/2018 05/09
1-4094957382 Miss SUNITA	BALASAHEB	KHAKAL	USHA	BALASAHEB	9890720269 F Nation 8806 40 0 82 9	04/04/1993 Telecom Network Engineer Network	4	B.E	03/10/2018 01/09
✓ 1-4094957385 Mr. GANESH	BHAUSAHEB	KASABE	ASHABAI	BHAUSAHEB	8208058998	Network	4	ITI B.E	03/10/2018 05/05
✓ 1-4094957388 Miss POOJA	RAJENDRA	JOSHI	VAISHALI	RAJENDRA	7709365886 F	26/05/1994 Telecom Engineer Network 23/01/1990 Telecom Engineer	4	ITI	03/10/2018 01/10
✓ 1-4094957191 Mr. ATUL	RAVSAHEB	WANDHEKAR		RAVSAHEB MANIKRAG	9860884123 M 9518709320 M	23/01/1990 Telecom Engineer 06/05/1990 Telecom Engineer Engineer	4	ITI	03/10/2018 01/10
✓ 1-4094957195 Mr. PUSHKARR/		PATIL	SHOBHA	BAHIRU	8459333067 M	03/04/1989 Telecom Engineer	4	ìтı	03/10/2018 01/10
✓1-4094957198 Mr. GANESH	RAMKISAN	DEOKAR	SAVITA	RAMKISAN	9960175734 M	04/08/1996 Telecom Network Engineer	4		A 03/10/2018 01/10
✓ 1-4094957221 Mr. SWAPNIL ✓ 1-4094957224 Miss POOJA	SHANKAR	PAWAR	ALKA	SHANKAR	7756044945 F	11/11/1995 Telecom Network Engineer	4		A 03/10/2018 30/09
✓ 1-4094957227 Miss PRAGATI ✓	LAXMAN	TAKSAL	JYOTI	LAXMAN	9096725049 F	16/06/1995 Telecom Network Engineer	4	B.E.	03/10/2018 30/09
✓ 1-4094957230 Mr. GANESH	BHAUSAHEB	HARER	HAUSA	BHAUSAHEB	9730117378 M	31/12/1989 Telecom Engineer 28/11/1994 Telecom Engineer	4	B.E.	03/10/2018 27/09
/ 1-4094957283 Miss MAYURI	JALINDER	KOLSE	СННАУА	JALINDER	9689531840 F 9158916895 M	01/02/1993 Telecom Engineer Network Engineer	4	B.E.	03/10/2018 28/09
¥ 1-4094957286 Mr. AJINKYA →	BALASAHEB	AMATE	INDUMATI	BALASAHEB A AMBADAS	9067149214 M	05/03/1993 Telecom Network Engineer	4	B.E	03/10/2018 28/09
✓ 1-4094957289 Mr. DIPAK	AMBADAS	BANDE	ALKA	OR IL COX	WE11700025 NA	30/05/1991 Telecom Network Engineer	4	B.E	03/10/2018 28/09
√ 1-4094957302 Mr. MANOJ ✓ 1-4094957305 Mr. SALIKRAM	VITTHAL SHIVRAM	MATE	GAYABAI	SHIVRAM	58916895 M	10/04/1994 Telecom Network Engineer	4	B.E	03/10/2018 28/09
✓ 1-4094957308 Mr. MAYUR	VILAS	NAGARKAR	SEEMA	VILAS SAJIV	8830739382 M	23/02/1995 Telecom Network Engineer	4	12 A	03/10/2018 25/09
				100			EY	In	Z .

PR(NCIPAL Dr. Vithalrao Vikhe Pati/01/2019, 3:58 PN College of Engineering Ahmednagar

	Student Id Title First Nam	ne Middle Name	Last Name	Mother's Name	Father's Name	andline No	Mobile Number Gender	Date of Birth	Sector	Specialization	NSQF Level	Highest Education attained	Record Created On
		DULID	MUNOT	SUREKHA	DILIP	9	404343071 F	29/04/1997	Telecom	Network Engineer	4	B.E	03/10/2018
~	1-4094957311 Miss NEHA	DILIP CHANDRAKANT			CHANDRAKANT	7	057251252 F	09/03/1996	Felecom	Network Engineer	4	B.E	03/10/2018
V	1-4094957314 Ms. PRIYANKA				VAIJUNATH	8	698622117 M _x	14/02/1992		Network	4	B.E	03/10/2018
~	1-4094957317 Mr. RAHUL	VAIJUNATH	MUNGASE		BALASAHEB	ç	0763589442 M x	16/09/1994	Telecom	Network	4	B.E	03/10/2018
-	1-4094957320 Mr. SHEKHAR	BALASAHEB	MOKATE					10/11/1995		Network	4	B.E.	03/10/2018
	1-4096003161 Mr. AJESH	RAGESH	NAIR	SANDHYA	RAGESH		,12,29,12,1			Engineer	4	ITI	03/10/2018
v	1-4096003164 Mr. SANDIP	ASHOK	KANDEKAR	BHIMABAI	ASHOK	9	9545283745 M	19/10/1996	Telecom	Network Engineer	-		



Network Engineer (Tel/Q6209)

Sector: Telecom

		Sect	or : Teleco	m				
Sr.No.	Student ID	Name of student	27/10/18	28/10/18	11/11/18	17/11/18	18/11/18	
1	1-4094957353	Shubham Rajesh Kasar	Fan	\$an	\$ar	\$an	\$an	
2	1-4094957356	Somnath Babaji Vanave	S.B.Vas	CRYCLE	SBA	S.B. You	SBYCLS	
3	1-4094957359	Kalpana Ravindra Shinde	plinds	mind	Delienter	alliers	Phinole	
4	1-4094957382	Sunita Balasaheb Khakal	Plata.	Plakel.	Plakel	alaka).	Plakal	
5	1-4094957385	Ganesh Bhausaheb Kasabe		Conserp		Charcips	Gasabl	1
·6	1-4094957388	Pooja Rajendra Joshi	Joshi P.R	-	Josli P.R	Joshipe	Joshi P.E	=
7	1-4094957191	Atul Ravsaheb Wandhekar	An.	A.	PR.	A	#P	N
8	1-4094957195	Pushkaraj Manikrao Patil	Bulley	69mgray	Someral	Bullett	amporto	1
9	1-4094957198	Ganesh Bahiru Shinde	GSTANA.	Shind	Sim	G8 mm	68 ma	
10	1-4094957221	Swapnil Ramkisan Deokar	Ged	Gode	Eser	6009	6300	
11	1-4094957224	Pooja Shankar Pawar	Pauson	Power	- Lawor	-	Lowes.	
12	1-4094957227	Pragati Lakshman Taksal	Tokso	1 desa	Forsa	+	1-	
13	1-4094957230	Ganesh Bhausaheb Harer	run	mun'	Lun	must .	mm.	1
14	1-4094957283	Mayuri Jalinder Kolse	Rober	Robell		Relse M.	RelseM.	1.
15	1-4094957286	Ajinkya Balasaheb Amte	Amoto	Bros	Amale	amoto	Amale	
16	1-4094957289	Dipak Ambadas Bande	Bande	Bande	Bande	Bande	Bande	-
17	1-4094957302	Manoj Vitthal Pandav	Panda	Pandar	-	Emdan	Pandar	
18	1-4094957305	Salikram Shivram Mate	13 mg	-	Baye.		13) wy	
19	1-4094957308	Mayur Vilas Nagarkar	Jagork	Soget	Logor	of seals	Loge	,
20	1-4094957311	Neha Dilip Munot	Muhor	-0	100	Miller	Dune	5
21	1-4094957314	Priyanka Chandrakant Khaladkar	Kaladkor P	S. Rhaladkoz	8.1.	Khaladkai	P.C. Khakad	d
22	1-4094957317	Rahul Vaijunath Mungase	Ong.	(Onto	(M)	Ordin.	aspe	
23	1-4094957320	Shekhar Balasaheb Mokate	mokatis	morates	mokates	B nokatess	mokates#	
24	1-4096003161	Ajesh Ragesh Nair	Total .	Fre.	AT.	SA	Add.	
. 25	1-4096003164	Sandip Ashok Kandekar	-BJ	(B)	(B)	(S)	(4)	

OF ENGINEERING

Trainer: J.P. Botkar.

Network Engineer (Tel/Q6209)

Sector : Telecom

Sector : Telecom										
Sr.No.	Student ID	Name of student	24/11/18	25/11/18	1/12/18	2/12/18	8/12/18			
1	1-4094957353	Shubham Rajesh Kasar	far	\$am	\$am	far	\$am			
2	1-4094957356	Somnath Babaji Vanave	SBUDA	SALA	SBY	SBN	SBALLA			
3	1-4094957359	, Kalpana Ravindra Shinde	Delinka	Phila	biska	PHIND	Delived			
4	1-4094957382	Sunita Balasaheb Khakal	Wakal.	Plake!	Plakel	Plakee .	Photol			
5	1-4094957385	Ganesh Bhausaheb Kasabe	Charable	Charack	Charable	(Korsald	Chewalt			
6	1-4094957388	Pooja Rajendra Joshi	JOHN PR	Jashi P.F.	Joshipt	Joshi Pa	Joshi P.R			
7	1-4094957191	Atul Ravsaheb Wandhekar	APP.	TAR	P	An.	Am			
8	1-4094957195	Pushkaraj Manikrao Patil	Bywar	Pompare!	o dopos	Proposed	Miland			
9	1-4094957198	Ganesh Bahiru Shinde	colonia	Colonel	68bnd	COM S	c8hml			
10	1-4094957221	Swapnil Ramkisan Deokar	Soe	6000	Love	600°	Cool			
11	1-4094957224	Pooja Shankar Pawar	Dwor.	- gur	Swar		Swar			
12	1-4094957227	Pragati Lakshman Taksal	taksa	taksal	takeal	taksal	-			
13	1-4094957230	Ganesh Bhausaheb Harer	Hum	www.	hum	www	Lum M			
_ 14	1-4094957283	Mayuri Jalinder Kolse		Rolse M.	Rober	Robert	Relate			
15	1-4094957286	Ajinkya Balasaheb Amte	Brok	Broks	amale	2 -	Brals			
16	1-4094957289	Dipak Ambadas Bande	Bande	Bande		Bande	Bande			
17	1-4094957302	Manoj Vitthal Pandav	Pandard	1	Pandon	Panda	Pandar			
18	1-4094957305	Salikram Shivram Mate		3 mg		(S)me	Dus			
19	1-4094957308	Mayur Vilas Nagarkar	Naget 1	Nonth		JOAN 13	Nosek			
20	1-4094957311	Neha Dilip Munot	Mules	(DHund	1	Muliot			
21	1-4094957314	Priyanka Chandrakant Khaladkar	Khalad kozfa	. Khalaelkou	Re. Khaladkoz	P.C. Khalad Va	P.C. Khaladkoz P.C.			
22	1-4094957317	Rahul Vaijunath Mungase	ende	Oute	Quelle	Out !	ante:			
- 23	1-4094957320	Shekhar Balasaheb Mokate	mokatess	Mokeyer's	mokates	mokates &	mokettis			
24	1-4096003161	Ajesh Ragesh Nair	fr.	302	Apt	Add	Ars.			
25	1-4096003164	Sandip Ashok Kandekar	951	(S)	Gi	G 1	81			

OF ENGINEE

Trainer: Buth J.P. Botkar

Network Engineer (Tel/Q6209)

Sector: Telecom

Sr.No.	Student ID	Name of student	9/12/18	15/12/18	16/12/18	22/12/18	23/12/18
1	1-4094957353	Shubham Rajesh Kasar	\$ar	\$ar	sar.	\$am	Sam
2	1-4094957356	Somnath Babaji Vanave	SBYON	SBYO	SBylas	SBY	SBYON
.3	1-4094957359	Kalpana Ravindra Shinde	Ward	Philade	Pflind	Politide	Offin
. 4	1-4094957382	Sunita Balasaheb Khakal	Phakel.	Plakes	Phakaf	Pakaf.	Blacke
5	1-4094957385	Ganesh Bhausaheb Kasabe		Chewall.		Charape	Charab
6.	1-4094957388	Pooja Rajendra Joshi	Joshi PR		700W P.R	ale to life at	Josh P.P
7	1-4094957191	Atul Ravsaheb Wandhekar	AD.	pp.	ARD.	AND	ATT
8	1-4094957195	Pushkaraj Manikrao Patil	emore	Pomen	popular	Panesti	
9	1-4094957198	Ganesh Bahiru Shinde	Calma	Sim	c8hnd	CS m	Comme
10	1-4094957221	Swapnil Ramkisan Deokar	Good	Some	Solde	Seed	Seale
11	1-4094957224	Pooja Shankar Pawar	Swar	Burn	gwar	Pares	gwar
12	1-4094957227	Pragati Lakshman Taksal	taksa	taken		+	taksa
13	1-4094957230	Ganesh Bhausaheb Harer	www	Hur	Rate	1 mis	hing
14	1-4094957283	Mayuri Jalinder Kolse	Rober	M. Roll	Rales	Robert	1: Robe
15	1-4094957286	Ajinkya Balasaheb Amte	Brooks	2	Brale	Brake	0
16	1-4094957289	Dipak Ambadas Bande		Banda	Band	Banda	Banda
17	1-4094957302	Manoj Vitthal Panday	Pandar		Prinder	Rudan	
18	1-4094957305	Salikram Shivram Mate	Buz		13 mz		Burg
19	1-4094957308	Mayur Vilas Nagarkar					
20	1-4094957311	Neha Dilip Munot	Muno		Munot	-	Muno
21	1-4094957314	Priyanka Chandrakant Khaladkar	Khaladkarf	Khadeolka	Khalas bou	Pt. Khaluellour	Khaladker
22	1-4094957317	Rahul Vaijunath Mungase	angle	(Butte	Quipe.	ante	Onthe.
23	1-4094957320	Shekhar Balasaheb Mokate	mokale	mokate	5'B	mokado	"B MoKade
24	1-4096003161	Ajesh Ragesh Nair	dok	300	Art.	Soft	Soft.
25	1-4096003164	Sandip Ashok Kandekar	GH	(B)	- Bt	- 81	(A)

OF ENGINEER

Trainer: Juth J.P. Botkar

Network Engineer (Tel/Q6209)

Sector : Telecom

Sector : Telecom									
Sr.No.	Student ID	Name of student	29/12/18	30/12/18	5/1/19	6/1/19	12/1/19		
. 1	1-4094957353	Shubham Rajesh Kasar	\$am	sam	Sam	fam.	sam		
2	1-4094957356	Somnath Babaji Vanave	SBIVA	SBYUN	SBV	SBN	S.B.V		
3	1-4094957359	Kalpana Ravindra Shinde	Deriver	Par l	Briston	· warul	Delaka		
4	1-4094957382	Sunita Balasaheb Khakal	Walca!	Elako	Paka	Pakal	Phakol -		
5	1-4094957385	Ganesh Bhausaheb Kasabe	Charabe	(gasabl		Quisabe	(gosalo		
6	1-4094957388	Pooja Rajendra Joshi	Jashi P.P.		Jashi P.R	=	Joshi P.R.		
7.	1-4094957191	Atul Ravsaheb Wandhekar	AP.	pa.	ATT.	An	A P		
8	1-4094957195	Pushkaraj Manikrao Patil	Bentan	Mindertal	Bergni	amportal	(mark)		
9	1-4094957198	Ganesh Bahiru Shinde	Comme	C8 Mary	c Shine		Calma		
10	1-4094957221	Swapnil Ramkisan Deokar	Esece	Sol	Cool	See	Seale		
11	1-4094957224	Pooja Shankar Pawar	Lwon	River	7	- Rove	Swon		
12	1-4094957227	Pragati Lakshman Taksal	taksal	taksa	Jaksa	taksa	taksal		
13	1-4094957230	Ganesh Bhausaheb Harer	www	rum	him	num	Frem		
14	1-4094957283	Mayuri Jalinder Kolse	Adset 15	Rober	5.	Robe MJ			
15	1-4094957286	Ajinkya Balasaheb Amte	amate	Amal	Blown	_	Bmal		
16	1-4094957289	Dipak Ambadas Bande	Bande	Bandes	_	Bande			
17.	1-4094957302	Manoj Vitthal Pandav	Pavidas	Louder	Pandav	5	andol		
18	1-4094957305	Salikram Shivram Mate	3ms	-	Bus,	Bus	Bury		
19	1-4094957308	Mayur Vilas Nagarkar	Joset	hanla	Shools	Smale	Jasoul		
20	1-4094957311	Neha Dilip Munot	amay	Whoo	Muluot	Wylaux	Muluot		
21	1-4094957314	Priyanka Chandrakant Khaladkar	Khaladhoef.c	Khalad koef	Khalal Korl	Khaladkad	Khaladkathic		
22	1-4094957317	Rahul Vaijunath Mungase	(Onge	Onthe	On 32	agre	Onthe		
23	1-4094957320	Shekhar Balasaheb Mokate	Wokeki)	L	mokades!	mokates	mokates8		
24	1-4096003161	Ajesh Ragesh Nair	A.	AZ	FRE	机	Art.		
25	1-4096003164	Sandip Ashok Kandekar	4	\$1	(D)	81	A.		



Trainer: July
J. P. Botkor

Network Engineer (Tel/Q6209)

Sector: Telecom

Sr.No.	Student ID	Name of student	13/1/19	19/1/19	20/1/19	27/1/19	2/2/19
1	1-4094957353	Shubham Rajesh Kasar	Sam	San	far	\$an	fam
2	1-4094957356	Somnath Babaji Vanave	SBYON	SBIM	SBYLL	SBY	SBA
3	1-4094957359	Kalpana Ravindra Shinde	Colinde	Reshind	Down	Whindle	Oshiva
4	1-4094957382	Sunita Balasaheb Khakal	Plokal.	Plake.	Plakef.	Phata.	Phakof
5	1-4094957385	Ganesh Bhausaheb Kasabe		Gazalo		(gasab	Charab
6	1-4094957388	Pooja Rajendra Joshi	Joshi P.R.		Joshi P.E	Joshi 8. P.	Joshi P.D
7	1-4094957191	Atul Ravsaheb Wandhekar	AR	40	AR	An-	pr.
8	1-4094957195	Pushkaraj Manikrao Patil	Brillow	Bendy	Subany	Mikok	Dame and
9	1-4094957198	Ganesh Bahiru Shinde	CSMA	Colman	Coping	Company	Calma
10	1-4094957221	Swapnil Ramkisan Deokar	Seoce	600a	Seed	Sooe	Gold
11	1-4094957224	Pooja Shankar Pawar	Jour	gur		for	Dwar.
12	1-4094957227	Pragati Lakshman Taksal	faksa	takso	Hokse	4	taksa
13	1-4094957230	Ganesh Bhausaheb Harer	run	run	Lun	mus M.	him
14	1-4094957283	Mayuri Jalinder Kolse	Relate	Kobe	Robert	1- Roberts	Relier
. 15	1-4094957286	Ajinkya Balasaheb Amte	Imade	Doma	1	Amas	Amay
16	1-4094957289	Dipak Ambadas Bande	Bande	6	Bande	0.0	Bande
17	1-4094957302	Manoj Vitthal Pandav	V	Preside		Pander	Hanes
18	1-4094957305	Salikram Shivram Mate	Sur		Sus		Shine
19	1-4094957308	Mayur Vilas Nagarkar	Nout	Nopel	Nogak	Hopel	Nogak
20	1-4094957311	Neha Dilip Munot	(Mile	4	(Mulux
21	1-4094957314	Priyanka Chandrakant Khaladkar	Khaladker			af.c.	Khaladkool
22	1-4094957317	Rahul Vaijunath Mungase	Contract of the second	Onto.	ante	Onle	Orthis.
23	1-4094957320	Shekhar Balasaheb Mokate	mokat	Mokad	mokates	Brokater B	mokate
- 24	1-4096003161	Ajesh Ragesh Nair	375	407	And	- ARE	1
25	1-4096003164	Sandip Ashok Kandekar	42	81	\$1	181	81

OF ENGLAND

Trainer: J.P. Botkar.

Network Engineer (Tel/Q6209)

Sector: Telecom

		Sect	or : Teleco	m			
Sr.No.	Student ID	Name of student	3/2/19	9/2/19	10/2/19	16/2/19	17/2/19
1-	1-4094957353	Shubham Rajesh Kasar	\$am	tan	\$am	tam	\$am
2	1-4094957356	Somnath Babaji Vanave	SBY	SEVE	S.B.V	SBV	5.820
3	1-4094957359	Kalpana Ravindra Shinde	polipho	Whind	postil	Phila	Elisa
4	1-4094957382	Sunita Balasaheb Khakal	Plake	Phakal	Phake	Thakaf.	Phake
5	1-4094957385	Ganesh Bhausaheb Kasabe	(gasalo	Charabe	*	Courable	Gasabe
6	1-4094957388	Pooja Rajendra Joshi	Joshi P.P.		Josh P.K	Joshi P.R	Joshi Pr
7	1-4094957191	Atul Ravsaheb Wandhekar		趣、	APP.		APP.
8	1-4094957195	Pushkaraj Manikrao Patil	Angered	Bullong	Angre	Pom Pond	Burry
9	1-4094957198	Ganesh Bahiru Shinde	Colone	Cahana	Commil	C8hm2	C8 mck
10	1-4094957221	Swapnil Ramkisan Deokar	Seele	Soon	Esee	Soca	See
11	1-4094957224	Pooja Shankar Pawar	Bowon	Rome	Surr	Swan	Baroar
12	1-4094957227	Pragati Lakshman Taksal	torso	traksou	taksa	taksa	taksal
13	1-4094957230	Ganesh Bhausaheb Harer	nur	my	hum	Jum 7	Juny 1
14	1-4094957283	Mayuri Jalinder Kolse	Kalsen:	1.	John	Robert	Roberti
15	1-4094957286	Ajinkya Balasaheb Amte	Amous	3 mals	3 mals	Freis	amals
16	1-4094957289	Dipak Ambadas Bande	Bande		Bande	Bande	
17	1-4094957302	Manoj Vitthal Pandav	Curdon	Havelor	ander		Power
18	1-4094957305	Salikram Shivram Mate	Durg	- 1	Bus.	Bur	13) we
19	1-4094957308	Mayur Vilas Nagarkar	Nagora	Negot	tout	Wast	Nogk
20	1-4094957311	Neha Dilip Munot	1	Muse	Whole		Willion
21	1-4094957314	Priyanka Chandrakant Khaladkar	9	Khaleskeep	Khalaelke	P.C.	Khaladkul
22	1-4094957317	Rahul Vaijunath Mungase	Confe	Onto	Onthe	ange.	Onte.
23	1-4094957320	Shekhar Balasaheb Mokate	Mokato	mokato	B pokates:	prokatesis	mokatesz
24	1-4096003161	Ajesh Ragesh Nair	录	A.	AR.		A80.
25	1-4096003164	Sandip Ashok Kandekar	(B)	G1	8	- \$1	(B)
					,	-	

Trainer: Ruth
J. P. Botkor

Network Engineer (Tel/Q6209)

Sector : Telecom

		Sect	or : Teleco	m			,
Sr.No.	Student ID	Name of student	23/2/19	24/2/19	2/3/19	3/3/19	913/19
1	1-4094957353	Shubham Rajesh Kasar	tam	\$am	\$am	\$am	\$am
2	1-4094957356	Somnath Babaji Vanave	SBYES	5.8h	SBlun	SBAR	SBYU
3 .	1-4094957359	Kalpana Ravindra Shinde	Political	ed ingo	policila	Ostirde	Dish
4	1-4094957382	Sunita Balasaheb Khakal	Plakef.	Plakaf	Plato	Phakal	Phatal
,5	1-4094957385	Ganesh Bhausaheb Kasabe	(karabe		Quell.	Gosabe	Gusabe
6	1-4094957388	Pooja Rajendra Joshi	Joshi P.R.	Joship.		Joshi P. E	Jachi P. E
7	1-4094957191	Atul Ravsaheb Wandhekar	AP.	AP.	AR.	AR.	Fr.
8	1-4094957195	Pushkaraj Manikrao Patil	Bullon	Burgan	Bush	Bri Demo	Company
9	1-4094957198	Ganesh Bahiru Shinde	C8ma	(8)ms	CSTA	came	Cotable
10	1-4094957221	Swapnil Ramkisan Deokar	Sieve	Eggle	Seen	Som	200
11	1-4094957224	Pooja Shankar Pawar	Power	- Swing	- Jowar	Pawaz	Pawas
12	1-4094957227	Pragati Lakshman Taksal	tokso	taksa	taksa	taksa	JOKSA
13	1-4094957230	Ganesh Bhausaheb Harer	mur	Lum?	Belser	Lum	hum M
14	1-4094957283	Mayuri Jalinder Kolse	Robert	Nauk	Belsel).	haben
15	1-4094957286	Ajinkya Balasaheb Amte	amus	Amalo		grot	and
16	1-4094957289	Dipak Ambadas Bande	Bande	2	Barde		Bande
17	1-4094957302	Manoj Vitthal Pandav	Lander		laver o		Panda
18	1-4094957305	Salikram Shivram Mate	Bur	Dur.	Due	Bute	Due
19	1-4094957308	Mayur Vilas Nagarkar	Negood		94V	Happely	Nogork.
20	1-4094957311	Neha Dilip Munot	(Muer	300	Mary	Bullin
21	1-4094957314	Priyanka Chandrakant Khaladkar		Khalalto	BC.	Khalaalku	Khalaelkazl
22	1-4094957317	Rahul Vaijunath Mungase	Diff.	Quite	Builte	Only	Corpe
23	1-4094957320	Shekhar Balasaheb Mokate	mokates	8 mokates	8-	mokates.	mokaden
24	1-4096003161	Ajesh Ragesh Nair	SA		A	tat	Ago.
25	1-4096003164	Sandip Ashok Kandekar	951	81	BI	-81	181



Trainer: J.P. Botkar.

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ERINCIPAL

Stanford Vikbe Patil

placement details course (Network Engineer (Tel/Q6209)wise under PMKVY-TI 2018-19

Course Name: Network Engineer (Tel/Q6209)

Sr.	Student Name		Category (SC/ST/ OBC/Ge n)	Pass/Fail/Not Appear Students		Company Name/Self Employee		Salary Rs.
		RAJESH	OBC	Fail	No	-	-	40,000/
		ВАВАЛ	NT-DT	Pass	Yes	Court of CJSD & JMF(7 Moth	month
		RAVINDRA	Open	Pass	No	-	-	-
	Sunita Balasaheb Khakal	BALASAHEB	Open	Pass	Yes	Sai Networking Solutio	16 month	12000/-
	Ganesh Bhausaheb Kasabe	BHAUSAHEB	SC	Not Appear	No	-	-	
_	Pooja Rajendra Joshi	RAJENDRA	Open	Pass	Yes	Sai Networking Solutio	16 month	12000/-
100	No. of the second secon	RAVSAHEB	Open	Pass	Yes	Self Employee,(Sai Mo	17 months	40000/-
	Pushkaraj Manikrao Patil	MANIKRAO	Open	Fail	No	-	-	-
	Ganesh Bahiru Shinde	BAHIRU	Open	Fail	No	- 80	-	-
-	Swapnil Ramkisan Deokar	RAMKISAN	VJ	Pass	No	4 minutes of the second	-	•
	Pooja Shankar Pawar	SHANKAR	OBC	Pass	yes	Zenian Digital Pvt.Ltd	17 months	12000/-
	Pragati Lakshman Taksal	LAXMAN	OBC	Pass	yes	Zenian Digital Pvt.Ltd		
	Ganesh Bhausaheb Harer	BHAUSAHEB	NT-DT	Fail	yes	BVK group	17 months	11000/-
	Mayuri Jalinder Kolse	JALINDER	Open	Pass		- 112-477	-	-
	Ajinkya Balasaheb Amte	BALASAHEB	Open	Pass	yes	ARAI, Kothrud, Pune	19 month	20205/-
	Dipak Ambadas Bande	AMBADAS	Open	Fail	No	-	-	-
	Manoj Vitthal Pandav	VITTHAL	NT-DT	Fail	No	-	-	-
	Salikram Shivram Mate	SHIVRAM	Open	Pass	yes	Santech Projects & Cor	8 months	15000/-
	Mayur Vilas Nagarkar	VILAS	Open	Pass	yes	SequelOne Solution P		
	Neha Dilip Munot	DILIP	Open	Pass	yes	Hinduja Tech Ltd	17 month	22000/-
	Priyanka Chandrakant Khaladkar	CHANDRAK ANT	Open	Fail	No	- COLLEGA	-	-
3,75%	2 Rahul Vaijunath Mungase	VAIJUNATH		Fail	No	19 mg 19	-	-
	Shekhar Balasaheb Mokate	BALASAHEE		Fail	No	15 % /5	-	-
	4 Ajesh Ragesh Nair	RAGESH	Open	Pass	yes	SequelOne Solution P	7 months	20834/-
_	5 Sandip Ashok Kandekar	ASHOK	Open	Pass	yes	BVK group	17 month	\$11000(7

1900/7#Hairao Vikhe Patil College of Engineering Ahmednagar

Sr.No.	Name of Student	Date of Birth	Name of course in which enrolled	Date of certificatio
1	Shubham Kishor	5/31/1996	Telecom Embedded Hardware Developer	5th August 2018
2	Mayuri Subhash Jejurkar	6/8/1994	Telecom Embedded Hardware Developer	5th August 2018
3	Tushar Bhagwat Mohite	1/3/1995	Telecom Embedded Hardware Developer	5th August 2018
4	Pooja Rajendra Joshi	5/26/1994	Telecom Embedded Hardware Developer	5th August 2018
5	Swapnil Vishnu Mungi	4/3/1984	Telecom Embedded Hardware Developer	5th August 2018
6	Priyanka Dadu Patole	3/8/1993	Telecom Embedded Hardware Developer	5th August 2018
7	Ajinkya Balasaheb Amate	2/1/1993	Telecom Embedded Hardware Developer	5th August 2018
8	Swapnil Ramkisan Deokar	8/4/1996	Telecom Embedded Hardware Developer	5th August 2018
9	Salikram Shivram Mate	4/10/1994	Telecom Embedded Hardware Developer	5th August 2018
10	Swati Chandrabhan Kale	7/8/1993	Telecom Embedded Hardware Developer	5th August 2018
11	Akshay Milind Buchake	10/17/1993	Telecom Embedded Hardware Developer	5th August 2018
12	Pooja Shankar Pawar	11/11/1995	Telecom Embedded Hardware Developer	5th August 2018
13	Sagar Ramkisan Deokar		Telecom Embedded Hardware Developer	5th August 2018
14	Aniket Ashok Bhalerao	1/18/1995	Telecom Embedded Hardware Developer	5th August 2018
	Supriya Bhausaheb	10/6/1995	Telecom Embedded Hardware Developer	5th August 2018
16	Krushna Haridas Salve	8/20/1991	Telecom Embedded Hardware Developer	5th August 2018
17	Madhura Mukund	8/19/1995	Telecom Embedded Hardware Developer	5th August 2018
18	Pravin Nanasaheb Sable		T 1	5th August 2018



PININCIFAL

Dr. Vithsline Viking Fasili

College of Engineering

Ahmedanian

IFSC Code

STATE BANK OF INDIA M.I.D.C AREA BRANCH, AHMEDNAGAR- 06040

Date :-

28/08/2019

Cheque No. 649975

Name of Beneficiary :-

Telecom Sector Skill Council

Bank :-

CANARA BANK

Branch :-

C-DOT Campus, Chattarpur, Mehrauli,
Delhi- 110 031

A/c No.

8657101101117

IFS Code :-

CNRB0008657

Amount Rs.:-

₹ 30,000.00

Charges Rs.:-

₹ 4.72

Total Rs.:-

₹ 30,004.72

Rupees in word

(Rs. Thirty Thousand Four & Seventy Two Paise Only)

a

PRINCIPA

Member Executive Committee

Signature





सत्यमेव जयते GOVERNMENT OF INDIA MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP



Transforming the skill landscape www.nsdcindia.org

Certificate

This is to certify that

Mr Sandip Ashok Kandekar S/O Ashok

has successfully cleared the assessment for the role of

Network Engineer {QP No. TEL/Q6209}

Conforming to National Skill Qualifications Framework Level-4



Akhil Gupta Chairman, Telecom Sector Skill Council





Dr. Vithalrao Vikhe Patil

Date of Issuance- 03/01/2020 System Identification Number 3500



www.nsdcindia.org/pbsecure

College of Engineering

Ahmednagar

Course Name: Network Engineer (Tel/Q6209)

Name of Student	Date of Birth	Name of course in which enrolled	Date of certification
Somnath Babaji Vanave	1/13/1996	Network Engineer	1/3/2020
Kalpana Ravindra Shinde		Network Engineer	1/3/2020
Sunita Balasaheb Khakal	4/4/1993	Network Engineer	1/3/2020
Pooja Rajendra Joshi	5/26/1994	Network Engineer	1/3/2020
Atul Ravsaheb Wandhekar	1/23/1990	Network Engineer	1/3/2020
Swapnil Ramkisan Deokar	8/4/1996	Network Engineer	1/3/2020
Pooja Shankar Pawar	11/11/1995	Network Engineer	1/3/2020
Pragati Lakshman Taksal		Network Engineer	1/3/2020
Ganesh Bhausaheb Harer	12/31/1989	Network Engineer	1/3/2020
Ajinkya Balasaheb Amte	2/1/1993	Network Engineer	1/3/2020
Salikram Shivram Mate		Network Engineer	1/3/2020
Mayur Vilas Nagarkar	2/23/1995	Network Engineer	1/3/2020
Neha Dilip Munot	4/29/1997	Network Engineer	1/3/2020
Ajesh Ragesh Nair	10/11/1995	Network Engineer	1/3/2020
Sandip Ashok Kandekar	10/19/1996	Network Engineer	1/3/2020

