

Course Report on

TSSC

ICT - Engineer

(AY 2016-17)

Offered for	CSE & ECE
Industry Partner	
Resource Person	Certified Trainers from TSSC
Number of Hours	120
Number of Students Participated	30



Course Pamphlet / Broachers



CURRICULUM/SYLLABUS

This program is aimed at training candidates for the job of a "ICT Engineer", in the "Telecom" Sector/Industry and aims at building the following key competencies amongst the learner.

1. Preventive maintenance makes sure high site uptime and carrying out preventive maintenance activities at ICT nodes/Customer premises.	9. Knowledge on 3G and 4G Technology and its functioning.
2. Performing upgrades, capacity augmentation, configuration changes and point of interconnect testing with minimal disruption of services.	10. Knowledge on SDH and DWDM technology and its associated standards.
3. Aware about uses and functionalities of ICT equipments, knowledge of IP standard & Protocols like OSI layer, Number system, Ethernet standards, Routing protocols (Like RIP, OSPF etc.)	11. To acquaint and to have empirical knowledge on Packet Switch (PS), Call flow, Circuit switch (CS) call flow.
4. Perform corrective maintenance at ICT nodes like connecting laptop to ICT nodes with appropriate login consoles, based on alarm code/ other indicators determine the fault details.	12. To Acquaint on knowledge on Cloud computing, its impact and its rudimental building blocks.
5. Perform fault management at ICT nodes like ensure availability of equipment related NMS client in their PC to connect to equipment if required.	13. Knowledge on console cables to connect to equipments, Connecting equipment NMS, Power cost and site uptime, Alarm handling process, Trouble shooting methodologies in ICT node as per alarm guide and logs and utilization of required test equipment.
6. Performing monitor relevant alarms in co ordination with the NOC team to confirm effectiveness of the rectification process, data and call testing to make sure effectiveness of the rectification process and complete administrative jobs like site clearance, return of test equipments etc.	14. capability to login to the equipment using relevant cable (RJ45, RS232, High speed USB) for diverse site equipments like microwave, eNodeB/Node B etc, to get insight and empirical knowledge on ICT node login applications like CRT , HyperTerminal etc, getting clear comprehension on physical and Logical Redundancy, cloud equipments, Routers, switches, Transmission and Core Equipments.
7. To identify documentation to be concluded correlated to one's role, update activity logger, issue logs, ensure trackers within stipulated time frame and	15. To become familiar in Responsible for logical and physical maintenance tasks for ICT node, Understand and Undertake point interconnecting testing as per



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	schedule		- inform the changes to NOC team depends on site criticalness. - Physical Maintenance. - Logical Maintenance.	
2	Corrective Maintenance	13	- Alarm severity. - Identify problem. - Checking of login console. - Determining fault details. - Options to rectify fault rectification of fault with respect to alarm.	TEL/N6219.
3	Upgrade capacity Augmentation and configuration change activities	37	- NOC team to inform about the H/W, S/W upgrade augmentation. - Know about potential impact. - NOC notified priority to undertaking. - Perform pretest. - Implement configuration changes. - Monitoring the progress.	TEL/N6220.
4	Undertaking of POI & Sight visit	33	- Savvy and to carry out physical test. - Savvy and to carry out logical test. - To acquire knowledge on Report and recording based on the companies requirement.	TEL/N6221.

Total Programme Duration: 103 Hours

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

560



Syllabus




Session Plan Design							
Program Name:							
Qualification Pack Name & Ref. ID		ICT Engineer					
Version No.		2014 A 1.3			Version Update Date		
Pre-requisites to Training							
Training Outcomes		By the end of this program, the participants would have achieved the following competencies: 1. Able to choose and organize preventive maintenance methodology at high site uptime. 2. Able to construct, evaluate and demonstrate working of ICT nodes by carrying out regular corrective and fault maintenance. 3. Able to categorize and perform management activities like responsible upgradation, capacity intensification, and configuration actions at ICT node 4. Able to asses and rank the POI before endorsing for link commissioning.					
S.No.	Module	Sessions	Session Objectives	NOS Reference	Methodology	Training Tools/Aids	Duration in Hrs
1	Preventive Maintenance schedule	Obtain schedule	1. Plan the schedule. 2. Inform to changes to NOC team depends on site critical.	TEL/N6218.	559	Power Point presentation, chalk and Talk & Case studies.	10
		Periodic Maintenance	1. Physical Maintenance. 2. Logical Maintenance.	TEL/N6218.			5
		Emergency Situation	1. Alarm configuration testing and appraisal.	TEL/N6218.			5

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2	Corrective Maintenance schedule	Timely response	1. Alarm security 2. Identify problem	TEL/N6219.	Power Point presentation, chalk and Talk & Case studies.	5
		Fault Identification	1. Checking logging console 2. Determine faulty details.	TEL/N6219.		4
		Fault Rectification	1. Options to rectify fault. 2. Rectification of faults with respect to Alarm.	TEL/N6219.		4
3	Upgrade Capacity, Augmentation and configuration change activities.	Configuration requirement	1. NOC team to inform about the H/W and S/W upgrade augmentation. 2. Know about potential impact. 3. NOC notified priority to undertaking.	TEL/N6220.	Power Point presentation, chalk and Talk & Case studies.	25
		Post Change Monitoring.	1. Perform Pre test 2. Implement configuration changes. 3. Monitoring the	TEL/N6220.		12



progress							
4	Undertaking of POI & Site Visit	Testing of POI	1. Able to savvy and carry out physical test. 2. Able to savvy and carry out logical test. 3. Able to report and Record. 4. Site visit to acquire a clear insight about happenings and to get empirical knowledge and topics discussed theoretically.	TEL/N6220.		Power Point presentation, chalk and Talk & Case studies.	33



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Certificates / Supporting Documents

Webmail :: TSSC ICT- Engineer course Affiliation and vital scripts ... http://webmail.vsnl.com/?task=mail&_action=print&_uid=79753...

Mail

Subject TSSC ICT- Engineer course Affiliation and vital scripts - Reg.

From veltech tech <veltech@vsnl.com>

To <certifications@tsscindia.com>, <sdeep@tsscindia.com>

Cc <ttt@tsscindia.com>, <dpnair@tsscindia.com>, <ceo@tsscindia.com>, <ddivekar@tsscindia.co>, <psgupta@tsscindia.com>

Bcc Sec56 veltech <sec56.veltech@gmail.com>

Reply-To <veltech@vsnl.com>

Date Sat, 27 Feb 2016 17:08:17

vs/27feb16/02
V2583

- TSSC affiliation0001.pdf (872 KB)
- TSSC ICT Er affiliation sheet.doc (73 KB)
- Format_TrainingDelivery Plan .docx (75 KB)
- Centre details.xlsx (15 KB)

Dear Sir/Madam,

Affable Greetings from Vel Tech Dr. RR & Dr. SR Technical University, Avadi, Chennai!!!

Herewith in this mail appended vital scripts for TSSC - ICT - Engineer affiliation, foreseeing your endorsement to start course in our Vel Tech University campus to our students.

We would be much beholden, if you could kindly guide us in this concern.

Thanks and Regards

R.Gopikaramanian.
+91-9600040253

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Dr. RR & Dr. SR

TECHNICAL UNIVERSITY

University u/s 3 of UGC Act, 1956

VEL TECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY

ACCREDITED BY NAAC WITH 'A' GRADE



25th FEB 2016

Ref: VTU/ NSDC/ TSSC/2016 - 01.

To

Telecom Sector Skill Council (TSSC), New Delhi

This is certified that the university is having the complete setup of training infrastructure with adequate range of amenities such as Internet connectivity and all essential tools for Theoretical training.

The University has Memorandum of Understanding with BSNL Rajiv Gandhi Memorial Training Centre, which houses all the essential tools/ Equipment for Practical Training in the line of modern technology and teaching technique.

We assure that our centre will add any additional amenities/ system according to the protocol of NSDC, TSSC and associated organization.

We will not be found lacking in any training related infrastructure and teaching techniques.

Registrar

Dr. E. KANNAN

Registrar

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
Chennai - 600 052, Tamil Nadu, INDIA

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Telefax : +91-44-28540605 E-mail: veltech@vsnl.com
Address : 42, Vel Nagar, Avadi-Vel Tech Road, Avadi, Chennai - 600 052, Tamil Nadu, INDIA
Website : www.veltechuniv.edu.in

Ref No: 21/MVT/2016/25 FEB 2016 Reg



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16/07/2017

Veltech/DHRR & DRSR University Mail - Fwd: Anticipating certificates for ICT engineer cleared students in Veltech University - Reg



TSSC-ICT / ECE / 2016-17

Knowledge Resource Centre Veltech, Chennai <krc@veltechuniv.edu.in>

Fwd: Anticipating certificates for ICT engineer cleared students in Veltech University - Reg

R.Gopikaramanian - DDD <sec56.veltech@gmail.com>
To: Vel Tech <krc@veltechuniv.edu.in>

Fri, Nov 3, 2017 at 10:31 AM

— Forwarded message —

From: Reetika Yadav <results@sscindia.com>

Date: Wed, Jul 19, 2017 at 10:23 AM

Subject: Re: Soliciting to update about the results of ICT engineer first batch students held on 14th June 2017

Reg

To: "Industry Relations Office Veltech, Chennai" <indoffice@veltechuniv.edu.in>

Cc: Shalika Yadav <assessments@sscindia.com>

Dear Sir,

Please find below the result



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10/05/2017

Whistle Blowing & Dealing University Mail - First Participating staff/Students for R.T. program received students in 2017-18 University - Bangalore

Card No.	Name	Status
ECE	Aditi Nanda	Not Appeared
ECE	B. Leena	Not Appeared
ECE	B. Mohan Vamsi Sai	Not Appeared
ECE	C.H. Krishna Div Reddy	Pass
ECE	D. Harikrishna	Fail
ECE	Dineekshitha P.S	Not Appeared
ECE	G. Nanda Kiran	Not Appeared
ECE	G. Prasanna Venkatesh	Fail
ECE	Goddumatti Anusha	Pass
ECE	Guduru Vijayalakshmi	Not Appeared
ECE	Gurukuntla Sunil	Pass
ECE	Indukuri Koushubh Varma	Not Appeared
ECE	Jana Varnika	Not Appeared
ECE	K. Amaravathi	Pass
ECE	K. Vinod Kumar	Not Appeared
ECE	K.H. Apurva	Not Appeared
ECE	K. Haritharan,	Not Appeared
ECE	K. Pavan Kumar	Not Appeared
ECE	kondeti sarath kumar	Pass
ECE	Laya gopal	Not Appeared
ECE	Maneesha.G	Not Appeared
ECE	Nagatejaswani Kurba	Pass
ECE	Nagur Ramesh	Pass
ECE	Nallabhirudu Ramakrishna	Not Appeared
ECE	Neha Minz	Not Appeared
ECE	P. Jaswanth	Pass
ECE	P. Muni Anisha	Not Appeared
ECE	Priya sentra	Not Appeared
ECE	R. Balaji	Fail
ECE	R. Shenbagaraj	Not Appeared
ECE	V. Aslin Vebish	Not Appeared
ECE	V. Vamsi Krishna.	Not Appeared
ECE	Varshnav Nair	Not Appeared
ECE	Valluru Madhuri	Not Appeared

Regards
Ratika Yadav
Assistant Manager
Telugum Sector Skill Council
6577004171



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Trainers Certificate

22525



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Certified Trainer

This is to Certify that

Mr Aanadha Saravanan K

(VEL TECH UNIVERSITY)

has successfully participated & cleared the "Train The Trainer" program for the role of

Information and Communication Technology (ICT) Engineer (QP No. - TEL/Q6205)

conducted by Telecom Sector Skill Council



Lt. Gen. Dr. SP Kochhar, AVSM & Bar, SM, VSM (Retd.)
Chief Executive Officer

System Identification No: TEL-T-0280-15

Date of Issue: 15/10/2015

Valid till: 14/10/2017

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Telecom Sector Skill Council
2nd Floor, Plot No. 105 Sector - 44, Gurgaon - 122005, Haryana.
Ph: +91124 4118039, E-mail: tssc@tsscindia.com, Website: www.tsscindia.com



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Telecom Sector Skill Council

2nd Floor, Plot No. 105, Sector - 44, Gurgaon - 122005, Haryana.
Ph: +91124 4118099, E-mail: tssc@tsscindia.com, Website: www.tsscindia.com



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Chief Executive Officer

System Identification No: TEL-T-0279-15
Date of Issue: 13/10/2015
Valid till: 14/10/2017

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Telecom Sector Skill Council
2nd Floor, Plot No. 105, Sector - 44, Gurgaon - 122003, Haryana.
Ph: +91124 6148029, E-mail: tsc@tscindia.com, Website: www.tscindia.com



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This is to Certify that

Mr S Koteeswaran

(VEL TECH UNIVERSITY)

has successfully participated & cleared the "Train The Trainer" program for the role of
Information and Communication Technology (ICT) Engineer (QP No. - TEL/Q6205)
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Lt. Gen. Dr. SP Kochhar, AVSM & Bar, SM, VSM (Retd)
Chief Executive Officer

System Identification No: TEL-T-0283-15

Date of Issue: 15/10/2015

Valid till: 14/10/2017

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2nd Floor, Plot No. 105, Sector - 44, Gurgaon - 122003, Haryana.
Ph: +91 124 4148020, E-mail: tsc@tscindia.com, Website: www.tscindia.com



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Mr S Alex David

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Chief Executive Officer

System Identification No: TEL-T-0292-15

Date of Issue: 15/10/2015

Valid till: 14/10/2017

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2nd Floor, Plot No. 100, Sector - 44, Gurgaon - 122003, Haryana.
Ph: +91 124 4148020, E-mail: tscc@tsccindia.com, Website: www.tsccindia.com



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Lt. Gen. Dr. SP Kochhar, AVSM & Bar, SM, VSM (Retd.)
Chief Executive Officer

System Identification No: TEL-T-0281-15

Date of Issue: 15/12/2015

Valid till: 14/12/2017

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Telecom Sector Skill Council

2nd Floor, Plot No. 102, Sector - 44, Gurgaon - 122005 Haryana.
Ph : +91 124 4149029, E-mail: tssc@tsscindia.com, Website: www.tsscindia.com



Students Certificate



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MINISTRY OF SKILL DEVELOPMENT
& ENTREPRENEURSHIP



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Certificate

This is to certify that

Ms Goddumarri Anusha D/O SATYANARAYANA

has successfully cleared the assessment for the role of

ICT Engineer (QP No:TEL/Q6205)

Conforming to National Skill Qualifications Framework Level-



Akhil Gupta
Chairman,
Telecom Sector Skill Council



Date of Issuance- 15/11/2017

System Identification Number

TEL-S-000238-17



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