भारत सरकार GOVERNMENT OF INDIA
कौशल विकास एवम उद्यमशीलता मंत्रालय **MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP**
प्रशिक्षण महानिदेशालय (डीजीटी) **DIRECTORATE GENERAL OF TRAINING (DGT)**

राष्ट्रीय कौशल प्रशिक्षण संस्थान (एन एस टी आई) कालीकट
NATIONAL SKILL TRAINING INSTITUTE
(NSTI) Calicut

गोविन्दपुरम , कालीकट, केरल, ६७३०१६ Govindapuram-PO, Calicut, Kerala State, PIN 673016
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Training Calendar 2023-24

Sl. No	Name	Designation	Qualification
1	Ramasubramanian Chidambaram	Head of Office/ Joint Director	Electronics & Communication Engineer
Training wing			
2	Prempal Singh	Assistant Director / Training – in - charge	Mechanical Engineer
3	Shaukhath Hussain K	Training officer	Electronics Engineer
4	Shantilal TC	Vocational Instructor	Mechanical Engineer
	Prasad UM	Vocational Instructor	Electrical Engineer
5	Rajan MP	Vocational Instructor	Electrical Engineer
6	Bijoy BK	Vocational Instructor	Instrumentation Engineer
7	Milju PV	WSA	Electrical Engineer
Administration wing			
Sl. No	Name	Designation	
1	Vinod AR	UDC	
2	Thanooja Shankar	UDC	
3	Praveena KP	LDC	
4	Manoharan TP	LDC	
5	Riyas K	MTS	

... *Our infra*

➢ *Well-equipped labs/workshops*
  o *Electrician / wireman*
  o *Electronic mechanic*
  o *Refrigeration & Air Conditioning*
  o *Solar technician*
  o *Electrician Power Distribution*
  o *Computer*
  o *Industrial Automation*
➢ *Hostel*
➢ *Mess*
➢ *Library*
➢ *Sports*

... A brief from NSTI, Calicut team

National Skill Training Institute (NSTI), Calicut, under Aegis of Directorate General of Training (DGT), Ministry of Skill Development of Entrepreneurship (MSDE), is engaged in developing skilled manpower for the industries, Instructional staff for the Industrial Training Institutes & reskilling and upskilling skill of in-service persons from the industry as well as from the training institutes.

Primarily Long term courses are conducted such as 1) Craftsmen Training Scheme (CTS) under DST in Solar Technician (Electrical) (1 year) and Electrical Power Distribution (2 years), 2) Craft Instructor Training Scheme (CITS) in Mechanic Refrigeration and Air-conditioning (3 units) and Electrician& Wireman (1 unit) and 3) Advanced Diploma in IT, Networking and Cloud course in collaboration with IBM.

Short term/Tailor made training programmes are also conducted based on the demand from local industries and institutes. PMKVY(SHI) courses are conducted and certificates are issued upon due assessments. Placement drives are conducted in association with various regional industries.

Under the Skill India International Centre initiative, NSTI Calicut provides opportunities for overseas employment to the trained candidates. Also, we function as Nodal centres of IGNOU and NIOS to support ITI Graduates for their continuing education.

Our Vision

NSTI, Calicut has the vision of imparting technical skills needed in the industries to the aspiring youth so that enough employment is served to them in local industries as well as in other states in India; to achieve the targeted learning outcomes of the Craftsmen courses through complete skill sets described in the curriculum; to inculcate entrepreneurial skills in the trainees inspiring them to invest in MSME sector and generate enough employment opportunities; to show the pathways to overseas employment opportunities to the passed outs.

Our Mission

NSTI Calicut aims to be developed as Centre of Excellence for multi vocational skill development in updating technologies in various arenas. With the current shining sectors, it can emerge as a wholesome hub for the Renewable Energy equipment and applications development with complete solutions for industries and domestic utilities. With the resources available it can emerge as a complete training and development solution centre for the Refrigeration and Air conditioning too.

Our Standards...

CTS, CITS and Advanced Vocational Diploma courses are NCVET approved NSQF aligned training programs.

PMKVY and Short Term Courses also are NSQF aligned training.

Non NSQF courses are based on local industries and their skill requirements. This can bring in newly identified job roles indeed.

Our Collaborations – the INDUSTRY CONNECT

Advanced Diploma (Vocational) in IT, Networking & Cloud (ADIT) - DGT signed MOU with IBM (INDIA) Pvt. Ltd. International Business Machines (IBM), a global technology company and major research organization, provides hardware, software, cloud-based services and cognitive computing. They are providing many Skill Build online courses to the ADIT trainees for upgrading their skills through Edunet. Recently they have started the IBM Innovation Camp also. As per the MoU they provide monthly stipend to the trainees during training. IBM and its Channel partners will provide the placement support to the students' post completion of the course.

CTS Electrician Power Distribution: MoU signed with M/s Kelcon, Kerala. [The Kerala State A Grade Electrical Contractors Association (KELCON)] on 8th August 2019

CTS SOLAR TECHNICIAN (ELECTRICAL)-DST Signed MoU with Power-On Solar integrators and Devices, Kozhikode and with Moopens solar energy solution, Ernakulam

....other initiatives

Future Skills: NSTI Calicut to be developed as COE for Solar Technician & Renewable Energy.

Quality training: Trainees undergo NSQF aligned courses and further get on job trained in Industries thereby obtaining high standards of quality & hands – on experience

Capacity Enhancement: Industries are encouraged to set up emerging training facilities under CSR activities to promote skilling, re-skilling and up-skilling of trainers as well as trainees

Need Identification & Addressing local migration: Training need analysis is carried out periodically in consultation with regional industries keeping in mind the demand and supply of employable skills thereby promoting Institute-Industry connect

Long term courses

Sl No	Name of the course	Name of workshop	CTS/CITS	Duration	No. of seats
1	Solar Technician Electrical	Green Technology lab	CTS	1 year	20
2	Electrical power distribution	Electrician lab	CTS	2 years	20
3*	Mechanic Refrigeration and Air Conditioning	HVAC Lab	CITS	1 year	75
4*	Electrician and Wireman	Electrician lab	CITS	1 year	25
5*	Advanced Diploma in IT, Networking & Cloud	Computer lab	Vocational Diploma	2 years	30

(*Admissions are done through All India Common Entrance Test, by NIMI, Chennai)

LONG TERM COURSE (CTS/CITS/DIPLOMA) FEE STRUCTURE

i   Two years Diploma in IT Networking and Cloud Computing in Collaboration with IBM

Sl. No.	Fee	For Unreserved & OBC Category	For SC/ST Category
1	Registration Fee	Rs.200/-(Per semester)	NIL
2	Admission Fee	Rs.300/-(Per semester)	Rs.60/- (Per semester)
3	Tuition Fee	Rs.1000/- (Per month)	Rs.330/- (Per month)
4	Examination Fee	Rs.200/- (Per semester)*	Rs.50/- (Per Semester)*
5	Caution Money	Rs.500/- (Refundable)	Rs.500/- (Refundable)
6	Library Security	Rs.100/- (Refundable)	Rs.100/- (Refundable)
8	Total (For Non-Hostellers)	Rs.7300/-	Rs.2690/-
9	Hostel Rent	Rs.600 (Rs.100/- per month) (for six months	Rs.600 (Rs.100/- per month) (for six months
10	Hostel Service Charges	Rs.100/- (for six months)	Rs.100/- (for six months)
11	Hostel Caution Money	Rs.125/- (Refundable)	Rs.125/- (Refundable)
12	Total (For Hostellers)	Rs.8125/-	Rs.3515/-
13	Gymkhana Fee	Rs.50/- (Per semester)	Rs.50/-(Per semester)

ii. CITS Courses

Sl. No.	Particulars	Govt. Deputed	Private -General	Private - SC/ST/PH/EWS
1	Admission Fee	Rs. 100/-	Rs. 100/-	**Rs. 25/-**
2	Registration Fee	Nil	Rs. 50/-	**Nil**
3	Caution Deposit (Refundable)	Rs. 250/-	Rs. 250/-	**Rs. 250/-**
4	Gymkhana Fee	Rs. 100/-	Rs. 100/-	**Nil**
5	Library Deposit	Rs. 20/-	Rs. 20/-	**Rs. 20/-**
6	Tuition Fee	Nil	RS. 900/- half yearly	**RS. 300/- half yearly**
7	Examination Fee	Rs. 100/-	Rs. 100/-	**Rs. 25/-**
8	**Total**	**Rs. 570/-**	**Rs. 1520/-**	**Rs. 620/-**

iii. CTS Courses

Sl. No.	Fee Structure	For General candidates	For SC/ST candidates
1.	Registration Fee	Rs. 50/-	No fee for SC/ST /EWS/ PH/ ex- serviceman candidates
2.	Admission fee	Rs.100/-	Rs.25/-
3.	Tuition fee	150/- Per Month	Rs.50/- Per Month
4.	Examination fee	Rs.100/- for first attempt& Rs.200/- for 2nd attempt & subsequent attempt	Rs.25/- for first attempt & Rs.50/- for 2nd attempt & Subsequent attempt
5.	Caution money	Rs.250/- per course at the time of admission (Refundable)	Rs.250/- (Refundable)
6.	Gymkhana Fee	Rs.100/-	No fee for SC/ST candidates
7.	Issue of duplicate certificate	Rs.100/-	Rs.50/-

Short term courses

Based on the need from ITIs, other institutions and industries / organisations, the dates are scheduled on mutual consent.

Sl.No.	Name of Lab/workshop/ section	Title of short term course	Duration (weeks)	Course content	Intake number	Minimum Entry Qualification requirements (Relaxable for sponsored candidates)	Major Equipment on which training provided
1	Electrical	Technician Electric motors: testing and maintenance	2	Electric motors, types, characteristics, testing, applications, selection of motors, Electrical power and control logic circuits, maintenance and troubleshooting	20	ITI Electrician / Electronic mechanic	AC DC Motor trainer, modular with loads
2	Electrical	Technician AC Drives	1	Conventional motor control versus servo motor, types, construction, characteristics, control methods, closed loop control system, feedback devices, electronic controllers for AC servomotors, VFD control, VVVF control, analog and digital control, maintenance, applications	20	ITI Electrician / Electronic mechanic	AC Drive trainer model, AC Servo trainer, Feedback device trainer, computer system

3	Electrical	Technician DC Drives	1	Conventional motor control versus DC servo motor, types, construction, characteristics, control methods, closed loop control system, feedback devices, electronic controllers for DC servomotors, Variable speed control, variable torque control, differences among used electronic devices and in controllers, analog and digital control, maintenance, applications	20	ITI Electrician / Electronic mechanic	DC Driver trainer model, DC Servo trainer, Feedback device trainer, Computer system
4	Electrical	Electrician Domestic Solution	8	Types of House wiring and fault repair in house wiring, Mains, distribution, controls, circuits and protection in house wiring, Maintenance & Repair of house hold electrical gadgets, Develop customer relationship skills, Use basic health and safety practices as the workplace, Work effectively with others (Applicable when working with an organization/in a team)	20	8th pass	Table Fan. Mixer Grinder, Electric Iron, Electric Toaster, Geyser, Small Room Heater, Solar PV Panel, Control CBs
5	Electronic Mechanic	Pneumatic Control	1	Pneumatic Controls: Industrial Power systems, pneumatic systems, Compressed air generation and distribution, FRL unit, pneumatic actuators, Directional control valves, Check Valves, roller Valves, symbols, Flow control valves, Logic Valves	20	ITI Electrician / Electronic mechanic	Pneumatic trainer kit FRL, Pneumatic actuators, DC valves, roller lever valve, flow control valve, logic valve and with suitable compressor

6	Electronic Mechanic	Mechanic Electro-Pneumatics with PLC	1	Familiarization with electro-pneumatic i/o devices, PBs, Relays and proximity sensors, Development of electro-pneumatic relay circuits and practical	20	ITI Electrician / Electronic mechanic	PLC, i/o devices, PBs, Relays , Proximity sensors, and with a suitable computer
7	Electronic Mechanic	Basic PLC Programing using Ladder diagram	1	Introduction to PLC, Wiring, Specification, types of PLC, Ladder Programming	20	ITI Electrician / Electronic mechanic	PLC with appropriate control board, Different application using PLC, Driver software and with a suitable computer
8	Electronic Mechanic	Microcontroller 8051 programmer	1	Introduction to embedded system, 8051 Architecture, addressing mode, Register addressing immediate addressing, direct, addressing, indirect addressing indexed addressing, Groups of instructions Data transfer, Arithmetic and logical instructions, Branching instructions Bit	20	ITI Electrician / Electronic mechanic	PLC with appropriate control board, Different application using PLC, Driver software and with a suitable computer
9	Solar Technician	Solar PV Installer – Electrical	5	Install the electrical components of Solar PV System, Test and commission Solar PV System, Maintain personal Health & Safety at project site	20	ITI / Diploma (Electrical, Electronics)	1 KW OFF GRID Solar Plant with 4X 250 W Solar PV modules, 1KVA Solar inverter (inbuilt charge controller)4X 100 Ah Battery 2. Solar mounting structure 3. Pyranometer 4. IV Curve tester 5. Solar simulator

10	Solar Technician	Solar PV Maintenance Technician - Electrical	5	Carry out electrical maintenance of the ground mount solar PV power plant, Maintain personal health & safety at solar PV power plant, Work effectively with others	20	ITI (Electrical, Electronics)	1 KW OFF GRID Solar Plant with 4X 250 W Solar PV modules, 1KVA Solar inverter (inbuilt charge controller)4X 100 Ah Battery 2. Solar mounting structure 3. Pyranometer 4. IV Curve tester 5. Earth resistance tester
11	Solar Technician	Solar PV Project Helper	5	Assist in installation and maintenance of solar PV power plant, Assist in installation and maintenance of off grid solar systems , Maintain personal health & safety at workplace	20	5th pass	1 KW OFF GRID Solar Plant with 4X 250 W Solar PV modules, 1KVA Solar inverter (inbuilt charge controller)4X 100 Ah Battery 2. Solar mounting structure 3. PPEs
12	MRAC	Field Technician Air Conditioner	8	Identification of different types of air conditioners, Use of Multi meter, Pressure Gauge, Electrical Drill, Clamp Meter, Tube Cutter, Tube Bender, Vacuum Pump, Weighing Scale, Gas Cylinder, Apply installation of Window AC and split ACs, Identification of fault as per customer interaction and initial inspection, Check the air conditioner for faults	20	8th Standard passed / ITI / Diploma (Electrical/Mechanical/RAC), Minimum two years' experience as helper for 8th/9th passed	Window Air conditioner, Split AC wall mounted (Inverter type), split AC cassette type, split AC Floor mounted.
13	Welder	Industrial Welder (Oil and Gas)	4	Description of the oil and natural gas sector and importance of welder in this sector, Types of Engineering materials used in Oil & Gas Sector, HSE procedure in Oil & Gas Welding Sector,	20	Class X with minimum 2 years of relevant experience/ Class XII / ITI (two years after class 10th in engineering trade)	SMAW MACHINE , GTAW MACHINES OAGC EQUIPMENTS,, PT , UT , MT

							EQUIPMENTS, GMAW MACHINES
				Explanation of the components of essential equipment required for welding, Description of the characteristics and properties of filler materials & Welding electrodes, Codes & standards used in Oil & Gas Welding, Practice of GTAW, GMAW, SMAW, OAGC in different positions, Practice in DT & NDT methods,			
14	Welder	Welder Advanced - Semi-Automatic-MIG/MAG	1	Detailed overview of semi-automatic welding process like MIG/MAG(GMAW), Usage of equipment and accessories, Welding methods and Techniques in MIG/MAG(GMAW)	20	ITI(Mechanical Trades)	MIG/MAG (GMAW) MACHINE
15	Welder	Welder Advanced - TIG/GTAW	1	Detailed overview of advanced welding process like TIG(GMAW), Usage of equipment and accessories, Welding methods and Techniques in TIG(GMAW)	20	ITI(Mechanical Trades)	TIG (GTAW) MACHINE
16	Welder	Advanced Weld Joints Tester	1	Types of defects and its reasons in various welding process like SMAW,GTAW, SAMW SAW &OAGW, Different types testing Methods like DT & NDT (PT ,MT,RT,UT,VT)	20	ITI(Mechanical Trades)	WELD MEASURE GAUGE, PT EQUIPMENT, UT,MT, VT EQUIPMENT

Tailor made courses

NSTI, Calicut can organize need based tailor-made training programs for industries and other organizations in the available workshops and labs for skill development of their newly inducted employees as well as upskilling and reskilling training programs for their existing employees.

Fee structure per Trainee per Week*

Courses	Category	Tuition fee
Short Term Courses	Candidates sponsored from MSI and LSI in Public and Private sector	Rs. 2,000/-
	Sponsored from (SSI) & Private Candidates	Rs. 1,000/-
	Candidates nominated by Government department	Rs. 1,250/-
	Candidates sponsored from Educational Institutes	Rs. 1,000/-
Tailor-made Courses	Candidates sponsored from MSI and LSI in Public and Private sector	Rs. 4,000/-
	Candidates nominated by Government department	Rs. 2,500/-
	Candidates sponsored from Educational Institutes	Rs. 2,000/-
Application & Registration Fee: Rs. 100/-		
Gymkhana Fee: Regular Course: Rs. 10/- per trainee per course, Tailor made Course: Rs. 15/- per trainee per course		
* Fee structure is subject to change with respect to prevailing DGT orders.		

Hostel for trainees

Hostel Facilities are available in campus with mess facilities. The charges of twin sharing rooms are at the rate of Rs. 100/- per day per trainee subject to the availability. Mess charges are as per the private contractor who provide normally vegetarian food at Rs 120/- approximately per day for CTS/CITS trainees. For tailor made program participants on mutual consent food at higher range can be arranged from prospective caterers.

Placement Assistance

Placement mela is periodically conducted at the institute. The following are few of the recruiters from NSTI Calicut

M/s Kelcon, Kerala

M/s Power-On Solar integrators and Devices, Kozhikode

M/s Moopens solar energy solution, Ernakulam

M/s Trinity Energy, Kozhikode

M/s Orizon Group, Kozhikode

M/s CIET Private ITI Kozhikode

M/s Ingraham Industrial Training Institute, Ghaziabad

Placement Record

100% of the Trainees of CTS trade "Electrician Power Distribution" were offered job by the Industrial Training Partner M/s Kelcon, Kerala (The Kerala state 'A' Grade Electrical Contractors Association), for the batches 2019-20, 20-21 and 21-22.

100% of the CTS trade, Solar technician (Electrical) were offered job by M/s Moopens solar energy solution, Ernakulam, and M/s Power-On Solar integrators and Devices, Kozhikode,

CITS Trainees, from Kerala are offered job by Kerala Private ITI managers association to their institutes across Kerala.

Success Stories

(Institute toppers-2022 in CTS & CITS trades receiving certificates and memento from Head Of Office)

Gallery

ELECTRONIC MECHANIC

Plan your training at our institute

Training Calendar 2023-24

SI No.	Course	Duration (Week)	From	To	APRIL				MAY				JUNE					JULY				AUGUST				SEPTEMBER					OCTOBER				NOVEMBER				DECEMBER					JANUARY				FEBRUARY				MARCH				
			From	03-04-23	10-04-23	17-04-23	24-04-23	01-05-23	08-05-23	15-05-23	22-05-23	29-05-23	05-06-23	12-06-23	19-06-23	26-06-23	03-07-23	10-07-23	17-07-23	24-07-23	31-07-23	07-08-23	14-08-23	21-08-23	28-08-23	04-09-23	11-09-23	18-09-23	25-09-23	02-10-23	09-10-23	16-10-23	23-10-23	30-10-23	06-11-23	13-11-23	20-11-23	27-11-23	04-12-23	11-12-23	18-12-23	25-12-23	01-01-24	08-01-24	15-01-24	22-01-24	29-01-24	05-02-24	12-02-24	19-02-24	26-02-24	04-03-24	11-03-24	18-03-24	25-03-24
			To	07-04-23	14-04-23	21-04-23	28-04-23	05-05-23	12-05-23	19-05-23	26-05-23	02-06-23	09-06-23	16-06-23	23-06-23	30-06-23	07-07-23	14-07-23	21-07-23	28-07-23	04-08-23	11-08-23	18-08-23	25-08-23	01-09-23	08-09-23	15-09-23	22-09-23	29-09-23	06-10-23	13-10-23	20-10-23	27-10-23	03-11-23	10-11-23	17-11-23	24-11-23	01-12-23	08-12-23	15-12-23	22-12-23	29-12-23	05-01-24	12-01-24	19-01-24	26-01-24	02-02-24	09-02-24	16-02-24	23-02-24	01-03-24	08-03-24	15-03-24	22-03-24	29-03-24
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1981: Started in Government ITI, Beypore, Calicut, Kerala, premises

1997: Shifted to present premises in Govindapuram, Calicut, Land and building provided by Kerala Government

2014: Upgraded as Advanced Training Institute (ATI) envisaging vast expansion and diversification of its training activities. CITS were started in MRAC, Electrician, Electronic Mechanic and RODA.

2017: Short Term Courses introduced to cater the demands of industries, aspiring students and educators.

2018: ATI renamed as National Skill Training Institute (NSTI), Calicut and now is one of the premier National institute under DGT, MSDE. Solar Training -Electrical CTS program introduced first time in India with full training facility. Solar PV Engineer Short term course conducted in collaboration with NISE, Gurgaon and funded by them.

2018: the sanctioned seating capacity in CITS course was 275

2019: Shri M P Rajan, VI of NSTI, Calicut received the "Kaushalacharya Award" from Hon'ble Union Minister for MSDE.

2021: Best Performance Award received from State Government of Kerala through Agency of Non-Conventional Energy Research and Training (ANERT), an autonomous body and got appreciated for commendable achievements in Renewable Energy in the category of Educational Institutions.

2022: NSTI, Calicut, engage in developing skilled manpower for the industries, Instructional staff for the ITIs & upgrading skill of in-service persons from the industry.
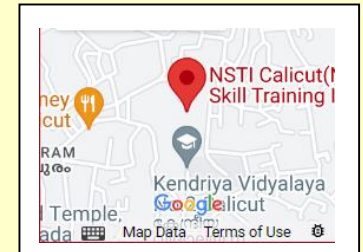
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