



# 2020-2021

## TRAINING CALENDAR

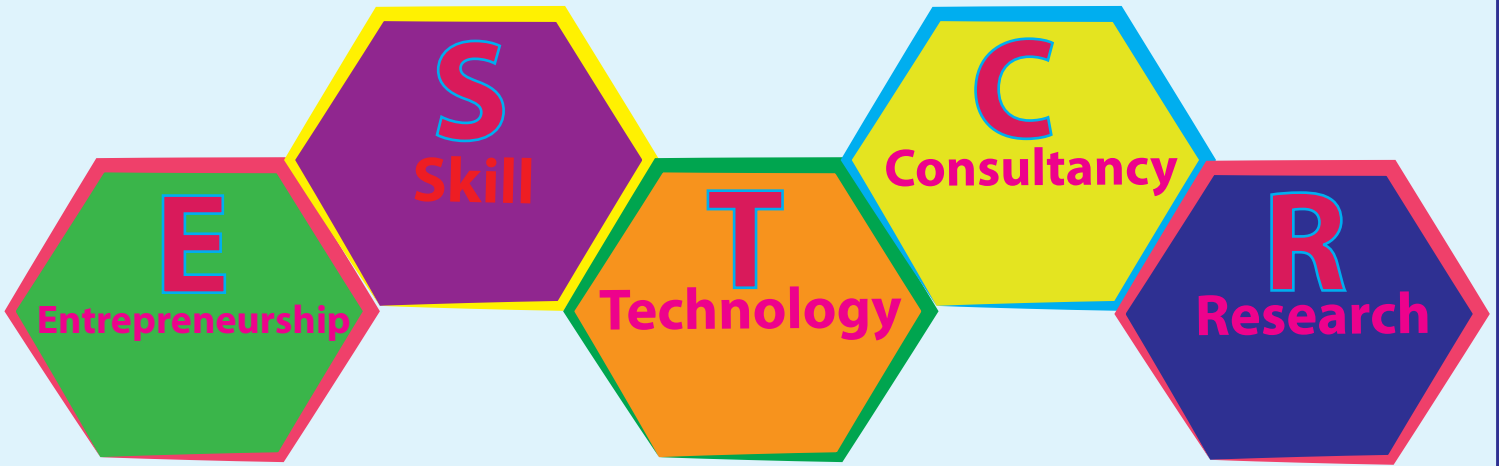


### इलेक्ट्रानिकी सेवा एवं प्रशिक्षण केन्द्र

भारत सरकार की सोसायटी - सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय

### ELECTRONICS SERVICE & TRAINING CENTRE

A Government of India Society - Ministry of Micro, Small & Medium Enterprises



कानियां, रामनगर, नैनीताल, उत्तराखण्ड

Kaniya, Ramnagar, Distt. Nainital, UTTARAKHAND PIN - 244715

Ph: 05947 - 251530, 251538, 251294, 252168 Mobile: 9917684846, 9536115836

#### Extension Centres

MSME Technology Extension Centre,  
First Floor, Opp. L-Block, Outer Circle,  
Connaught Place, New Delhi 110001  
Ph: 011-23412611, Mob: 9999948317  
E-mail: estc.sts@gmail.com, facebook-fb.com/msme.estc/

MSME Technology Extension Centre  
Kham Bangla Campus, Kaladungi Road,  
Haldwani, Distt.Nainital UK 263139  
Ph:05947-251530, Mob: 9917684846

Online Admission Link - <https://bit.ly/3aMlpFrh>



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[pd\\_estc@estcindia.com](mailto:pd_estc@estcindia.com)



[www.estcindia.com](http://www.estcindia.com)

# ELECTRONICS SECTION

## I. Skill Development Trainings for Employment

Sl.No	Programme Code	Title of the Programme	Starting Date	Duration	Fee (₹)	Eligibility
1.	ADIT (NSQF LEVEL-4)*	Analog & Digital Instrumentation Technician	1.8.2020	1 Year	20000	Inter Science
2.	EET-03 (NSQF LEVEL-4)*	Electronic Equipment Technician	3.8.2020	1 Year	20000	High School

## II. Skill Oriented Entrepreneur Development Trainings

1.	ADMMA (NSQF LEVEL-6)*	Advance Diploma in Machine Maintenance & Automation	1.8.2020	6 Months	25000	Degree/Diploma in Electrical, Electronics & Instrumentation
2.	ESD12W	Embedded System Design	27.7.2020, 5.10.2020 & 1.2.2021	12 Weeks (3 Hrs./day)	15000	Degree/Diploma in Engg./ITI (in relevant field)
3.	MCCAPC (NSQF LEVEL-7)*	Master Certificate Course in Automation & Process Control	1.7.2020	6 Months	25000	Degree/Diploma in Electrical, Electronics & Instrumentation
4.	HHP (NSQF LEVEL-5)*	Hand Held Products	3.8.2020, 5.10.2020 & 4.1.2021	3 Months	10000	High School+ITI Pass or 12 <sup>th</sup> Pass

## III. Specialized Skill Upgradation Trainings

1.	EP	Electro Pneumatics	15.6.2020, 13.7.2020 & 17.8.2020	1 Week	3000	Degree/Diploma in Engg. in relevant field/ Professionals
2.	DCS	DCS (Siemens)	7.12.2020	2 Weeks (3Hrs./day)	6000	Degree/Diploma in Engg. in relevant field/ Professionals
3.	AP1W	Arduino Programming	28.12.2020	1 week (6Hrs./day)	3000	Degree/Diploma in Engg. in relevant field/ Professionals
4.	MP1W	Microcontroller Programming	28.12.2020	1 week (6Hrs./day)	3000	Degree/Diploma in Engg. in relevant field/ Professionals

# ELECTRICAL & SOLAR SECTION

## I. Skill Development Training for Employment

Sl.No.	Programme Code	Title of the Programme	Starting Date	Duration	Fee (₹)	Eligibility
1.	DIE-02 (NSQF LEVEL-4)*	Domestic Cum Industrial Electrician	3.8.2020	1 Year (6 Hrs./day)	20000	High School
2.	CCEERM (NSQF LEVEL6)*	Certificate Course in Electrical Equipment Repairing and Maintenance	1.1.2021	6 Months (6 Hrs./day)	10000	High School
3.	SPVI (NSQF LEVEL-4)*	Solar PV Installer	08.2.2021	8 Weeks	12000	10 <sup>th</sup> pass+ITI/ Diploma

## II. Skill Oriented Entrepreneur Development Training

1.	RACHA (NSQF LEVEL-4)*	Room Air Conditioner & Home Appliances	1.7.2020 & 1.1.2021	4 Months	12000	High School+ITI Pass or 12 <sup>th</sup> Pass
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## III. Specialized Skill Upgradation Trainings

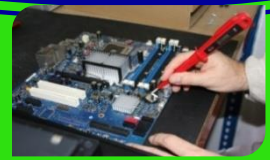
1.	SETA (III)	Solar Energy Technology and Application	5.10.2020 23.11.2020, 7.12.2020 & 8.3.2021	1 Week (6Hrs./day)	3000	Open to all for Self Employment
2.	SETA (II)	Solar Energy Technology and Application+ Software PV-Sol	14.9.2020	2 Weeks (6 Hrs./day)	5000	Open to all for Self Employment
3.	SSMT	PV- Sol, T-Sol Software & Solar Module Testing	17.8.2020, 14.12.2020 & 4.1.2021	1 Week (4 Hrs./day)	5000	Open to all for Self Employment





# COMPUTER SECTION

## I. Skill Development Trainings for Employment



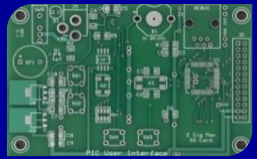
Sl. No.	Programme Code	Title of the Programme	Starting Date	Duration	Fee (₹)	Eligibility
1.	'A'*	NIELIT 'A' Level Computer Course	1.7.2020	18 Months (5 Hrs./day)	30000	Graduate / 3 Years Diploma in Engg.
1.	'A'*	NIELIT 'A' Level Computer Course	1.9.2020	12 Months (5 Hrs./day)	20000	'O' Level Pass
2.	'O'*	NIELIT 'O' Level Computer Course	1.7.2020 & 1.1.2021	1 Year (2 Hrs./day)	18000	Intermediate / ITI (after 10 <sup>th</sup> Pass)



## II. Skill Oriented Entrepreneur Development Training



1.	CHRN	Computer Hardware Repair, Maintenance & Networking	1.7.2020, 1.10.2020 & 1.1.2021	12 Weeks	8000	10 <sup>th</sup> Pass With Computer Background
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# PCB SECTION

## I. Skill Development Training for Employment



Sl. No.	Programme Code	Title of the Programme	Starting Date	Duration	Fee (₹)	Eligibility
1.	PCB-02 (NSQF LEVEL-4)*	PCB Design & Manufacturing	1.7.2020 & 4.1.2021	1 Year (6 Hrs./day)	20000	High School



## II. Skill Oriented Entrepreneur Development Training



1.	PCB(S)	PCB Design & Manufacturing	17.8.2020	6 Months	8000	High School
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## III. Specialized Skill Upgradation Trainings



1.	SSPM	Single Side PCB Manufacturing	24.8.2020, 9.11.2020, 1.3.2021 & 22.3.2021	1 Week (6Hrs./day)	2000	Degree/Diploma in Engg./ITI (in relevant field)
2.	PCBP	PCB Design & Manufacturing for Project	19.10.2020, 9.11.2020, 1.3.2021 & 22.3.2021	3 Days	3000/project	Students of Engg. / Polytechnic
3.	PCB	PCB Design & Manufacturing	1.12.2020 & 4.1.2021	2 Weeks (6 Hrs./day)	3000	Degree/Diploma in Engg./ITI (in relevant field)

**DDU-GKY Sponsored NSQF Courses (Admission Based on Assessment) for more info. Call - 9411308631**

Programme Code	Program Name	Duration	Eligibility
SGJ/Q0101	Solar PV Installer	694 Hrs.	Passed 10th class + ITI / Diploma (Electrical, Electronics)
TEL/Q6400	Optical Fiber Splicer	832 Hrs.	Passed 8th class
MSME/CCCM/54	Certificate course in CNC Milling	1081 Hrs.	Preferably SSC passed or its equivalent
MSME/CCCL/55	Certificate course in CNC Turning	1081 Hrs.	Preferably SSC passed or its equivalent
MSME/CCM0/21	Certificate course in Machine Operation	2160 Hrs.	Passed 8th class
MSME/PDIAR/32	Post Diploma in Industrial Automation & Robotics	2160 Hrs.	Preferably Diploma or Degree in (Mech. / Prod. / Electronics/ Electrical / Instrumentation or equivalent).

\*Limited Seats



# MECHANICAL SECTION

## I. Skill Development Training for Employment



Sl.No.	Programme Code	Title of the Programme	Starting Date	Duration	Fee (₹)	Eligibility
1.	CCMO-6 to 7 (NSQF LEVEL-3)*	Certificate Course in Machine Operation	3.8.2020 & 1.1.2021	1 Year	24000	8 <sup>th</sup> Pass



## II. Skill Oriented Entrepreneur Development Trainings



1.	CCM- 3 to 4 (NSQF LEVEL-5)*	Certificate Course in Machining	3.8.2020 & 1.1.2021	6 Months	15000	CCMO, ITI Fitter or Equivalent
2.	BW	Basic Welding Techniques	14.9.2020	12 Weeks (3 Hrs/day)	4500	8 <sup>th</sup> Pass



## III. Specialized Skill Upgradation Trainings



1.	CNC – 83 to 87	Operation & Use of CNC Lathe & Milling Machine	6.7.2020, 20.7.2020 & 4.1.2021	2 Weeks (3 Hrs/day)	5000	Degree / Diploma in Engg./ITI (Turner / Machinist/CCMO)
2.	TIG-MIG – 3to4	Operation of Tig – Mig Welding	14.9.2020 & 14.12.2020	2 Weeks (3 Hrs/day)	4500	Degree / Diploma in Engg./ITI (Turner / Machinist/CCMO)
3.	EHYD	Electro-Hydraulic System	6.7.2020 & 18.1.2021	1 Week (3 Hrs/day)	3000	Degree/Diploma in Engg. in relevant field

**Training Programmes Running at Ramnagar City Centre(Extension Centre) Ph:05947-252123**

Sl.No.	Programme Code	Title of the Programme	Duration	Fee(₹)	Eligibility
1.	DCAP	Diploma in Computer Application & Programming	1 Year (2 Hrs./day)	7200	10 <sup>th</sup> Pass
2.	CCA	Certificate Course in Computer Application	6 Months (2 Hrs./day)	3600	10 <sup>th</sup> Pass
3.	'C'	'C' Language	2 Months (1 Hrs./day)	2000	10 <sup>th</sup> Pass
4.	C++	C++ Programming	2 Months (1 Hrs./day)	2500	10 <sup>th</sup> Pass
5.	COMP FUND.	Computer Fundamental	1 Month (1 Hrs./day)	1000	8 <sup>th</sup> Pass
6.	NIELIT -CCC	Course on Computer Concepts	3 Months (2 Hrs./day)	3000	10 <sup>th</sup> Pass
7.	Tally	Tally 9.0 with GST	3 Months (1 Hrs./day)	3000	10 <sup>th</sup> Pass
8.	Adv-Tally	Advance Tally With GST	3 Months (1 Hrs./day)	3000	10 <sup>th</sup> Pass+Tally
9.	Comp-Typing	Computer Typing (Hindi & English)	2 Months	1000	10 <sup>th</sup> Pass
10.	JP *	Core Java/Java Programming	4 Weeks	6000	12 <sup>th</sup> Pass
11.	CHN *	Computer Hardware & Networking	4 Weeks	6000	12 <sup>th</sup> Pass

ESTC is also organizing one/two day workshop in house/at the site of Industry/Institution in following are

Python

Metrology

Web designing

Industrial Robot

Basic Electronics

Industrial Automation

Digital Marketing & E-Commerce

Solar Energy Technology & Application

Small Transformer Designing & Manufacturing

Personality Development & Effective Communication

Drone Technology

Embedded System

Computer Networking

Optical Cable Splicing

Arduino Programming

Raspberry Pi Programming

Optical Fiber Communication

PCB Design & Manufacturing

Ethical Hacking & Cyber Security

Mechanical Machines & Equipments



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## Vocational Trainings for the students of ITI/Degree/Diploma & Engg. Colleges (\*Free for SC/ST)

Sl.No.	Programme Code	Title of the Programme	Starting Day	Duration	Fee (₹)
1.	MP4W *	Microcontroller Programming	Every Month 1 <sup>st</sup> Monday	4 Weeks(4 Hrs./day)	6000
2.	ES4W *	Embedded System	Every Month 1 <sup>st</sup> Monday	4 Weeks (4 Hrs./day)	6000
3.	PLC-P *	PLC Programming	Every Month 1 <sup>st</sup> Monday	4 Weeks (4 Hrs./day)	6000
4.	SCADA *	SCADA	Every Month 1 <sup>st</sup> Monday	4 Weeks (4 Hrs./day)	6000
5.	JP *	Core Java / Java Programming	Every Month 1 <sup>st</sup> Monday	4 Weeks (4 Hrs./day)	6000
6.	HW *	Computer Hardware & Networking	Every Month 1 <sup>st</sup> Monday	4 Weeks (4 Hrs./day)	6000
7.	CRE-O *	CREO Parametric	Every Month 1 <sup>st</sup> Monday	4 Weeks (4 Hrs./day)	7000
8.	CAD *	AutoCAD (Mechanical)	Every Month 1 <sup>st</sup> Monday	4 Weeks (3 Hrs./day)	6000
9.	RVT-ARCT *	Revit Architecture	Every Month 1 <sup>st</sup> Monday	4 Weeks (4 Hrs./day)	7000
10.	CNC-P (M) *	CNC Programming Milling	Every Month 1 <sup>st</sup> Monday	4 Weeks (4 Hrs./day)	7500
11.	CNC-P (L) *	CNC Programming Lathe	Every Month 1 <sup>st</sup> Monday	4 Weeks(4 Hrs./day)	7500
12.	CNC-M(M) *	CNC Machining Milling	Every Month 1 <sup>st</sup> Monday	4 Weeks(4 Hrs./day)	7500
13.	CNC-M(L) *	CNC Machining Lathe	Every Month 1 <sup>st</sup> Monday	4 Weeks(4 Hrs./day)	7500
14.	SW*	SOLIDWORKS	Every Month 1 <sup>st</sup> Monday	4 Weeks(4 Hrs./day)	7500
15.	CAT *	CATIA	Every Month 1 <sup>st</sup> Monday	4 Weeks(4 Hrs./day)	7500
16.	NX *	Unigraphics(NX-CAD/CAM)	Every Month 1 <sup>st</sup> Monday	4 Weeks(4 Hrs./day)	7500
17.	ML*	MATLAB	Every Month 1 <sup>st</sup> Monday	4 Weeks (4 Hrs./day)	6000
18.	E-CAD*	Electrical-CAD	Every Month 1 <sup>st</sup> Monday	4 Weeks (4 Hrs./day)	6000

## Vocational Trainings for the students of ITI/Degree/Diploma & Engg. Colleges

Sl.No.	Programme Code	Title of the Programme	Starting Date	Duration	Fee (₹)
1.	AP4W	Arduino Programming	27.7.2020 & 11.1.2021	4 Weeks (3 Hrs./day)	6000
2.	DTA4W	Drone Technology & Applications	27.7.2020 & 11.1.2021	4 Weeks (3 Hrs./day)	6000
3.	ARM4W	ARM Programming	27.7.2020 & 11.1.2021	4 Weeks (3 Hrs./day)	6000
4.	RMTEL	Repair and Maintenance of Telecom Equipment	4.1.2021	4 Weeks (3 Hrs./day)	6000
5.	MP(S)	Microprocessor Programming (8085)	6.7.2020 & 4.1.2021	4 Weeks (3 Hrs./day)	6000
6.	MT	Mechatronics	6.7.2020, 3.8.2020,31.8.2020, 28.9.2020 & 26.10.2020	4 Weeks (3 Hrs./day)	7500
7.	SETA(I)	Solar Energy Technology and Application + Software PV-Sol	20.7.2020 & 11.1.2021	4 Weeks (3 Hrs./day)	6000
8.	STM	Small Transformer Manufacturing & Voltage Stabilizer, Assembly	4.1.2021	4 Weeks (3 Hrs./day)	6000
9.	PCB(S)	PCB Design & Manufacturing	13.7.2020 & 4.1.2021	4 Weeks (3 Hrs./day)	6000
10.	PCBD-OS	Multilayer PCB Design on OrCAD Software	20.7.2020 & 18.1.2021	6 Weeks (3 Hrs./day)	6000
11.	WS(S)	Advance Level Workshop Practice	14.1.2021	4 Weeks (3 Hrs./day)	6000
12.	CNC(S)	Operation & Use of CNC Lathe & Milling Machine	6.7.2020, 3.8.2020 & 4.1.2021	4 Weeks (3 Hrs./day)	7500
13.	pp	Python Programming	6.7.2020 & 4.1.2021	4 Weeks (3 Hrs./day)	6000

# ADMISSION PROCEDURE

Admission in all programmes are open on first come first serve basis subject to meeting the eligibility criteria and payment of fee in full for courses upto 6 months duration. For training programmes of duration up to one year, 50% fee is payable at the time of admission and remaining 50% within 4 months from the date of start of the programme. The fee for Govt. sponsored candidates is double of fee mentioned in the calendar. There is discount of 50% in fee for physically handicapped candidates.

Online payment- [http://estcindia.com/Online\\_payment.php](http://estcindia.com/Online_payment.php) (After payment, E-mail the filled application form & payment details to [pd\\_estc@estcindia.com](mailto:pd_estc@estcindia.com))

All Training Courses 18% GST Applicable Except NSQF & NIELIT Course.

\* No Training Fee for SC/ST candidates.

HOD- Electronics: 7017193585, Computer: 8630532064, Mechanical: 8476817288



**HOSTEL FACILITY:-**(For Boys & Girls separately) - Hostel facility is available on payment basis as follows :-

- (1) **LODGING:** -@ ₹350 per month for long term course - cot & mattress only will be provided.  
-@ ₹ 50 per day for short term (upto two weeks) courses - cot, mattress & bedding will be provided.
- (2) **FOOD:** - Available in ESTC canteen on payment basis.

## ESTC's ACTIVITIES

To meet the objectives of the Centre, three main activities are carried out in the Centre i.e. Specialized Training, Technical Services and Technical Consultancy.

### TRAINING PROGRAMMES OF THE CENTRE AIM AT :-

- Updating knowledge and skills of Engineers, Diploma holders, Engg./Diploma Students, Supervisors, Technicians, Technical Trainers and Managers in the fields of Electronics, IT and Mechanical.
- Upgrading skills of VRS optees of Central Public Sector Undertakings and emigrant Indians.
- Designing and conducting self employment oriented courses including product oriented EDPs.
- Designing and conducting tailor-made training programmes for specific needs of Industry/Institution.
- Developing trained manpower in specialized areas such as PCB Design & Manufacturing, Mechanical Tool Room Operations including CNC Machine Operations, Electronics Repair & Assembly and Computer Application etc.

**TECHNICAL SERVICES OR EXTENSION/Common FACILITY SERVICES :-** Technical Services or Extension/ Common services are provided to the industry on no profit basis from the Workshops/Labs having infrastructure of modern PCB facilities, Software Development, CNC machines, CAD, Transformer Design & Manufacturing.

**TECHNICAL CONSULTANCY :-** In the areas of Process Development, Product Design & Development, setting up technical training centres including Computer and Electronic Training, Design and Implementation of Human Resources Development Activities. Consultancy is provided by well qualified and experienced staff of the Centre.

**MAJOR FACILITIES IN THE CENTRE ARE :-** PCB Design and Manufacturing Lab, Telecommunication Lab, Mechanical Tool Room, Computer Cell (Software & Hardware), PCB Assembly Lab, Industrial Automation Lab, Microcontroller & Embedded Lab, VLSI Lab, Wound Component Lab, Optical Fibre Lab & Solar Lab, Mechatronics, IoT, Industrial Robot, VMC, Mobile Repair, Home Appliances, Audio-Video etc.

**CLIMATE & APPROACH :** Summer - Max. Temp. 40 degree C, Min. Temp 20 degree C  
Winter - Max. Temp. 20 degree C, Min. Temp 4 degree C

Ramnagar is connected by Rail to Delhi (250 Km) & Lucknow (400 Km) via Moradabad. ESTC is located on Ramnagar – Dhela Road, in Kaniya, is 4 Km from Ramnagar.

### BOOK-POST

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