



# TRAINING CALENDAR 2018-2019



## इलेक्ट्रॉनिकी सेवा एवं प्रशिक्षण केन्द्र

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

## ELECTRONICS SERVICE & TRAINING CENTRE

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



An ISO 9001 : 2008 Certified Organization

कानियां, रामनगर, नैनीताल (उत्तराखण्ड)

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एक कदम स्वच्छता की ओर



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

# ELECTONICS SECTION

## I. Skill Development Trainings for Employment



Sl. No.	Programme Code	Title of the Programme	Starting Date	Duration	Fee (₹)	Eligibility
1.	ADIT -01 (NSQF LEVEL-4)*	Analog & Digital Instrumentation Technician	2.7.2018 and 1.8.2018	1 Year	20000	Inter Science
2.	EET-01 (NSQF LEVEL-4)*	Electronic Equipment Technician	2.7.2018	1 Year	20000	High School



## II. Skill Oriented Entrepreneur Development Trainings



1.	MPR	Mobile Phone Repair	7.5.2018, 6.8.2018 and 3.12.2018	8 Weeks(3 Hrs. per day)	5000	High School
2.	PAT	PLC Based Automation Techniques	2.7.2018, 1.10.2018 and 28.1.2019	3 Months (3 Hrs. per day)	10000	Degree/Diploma in Engg./ITI (in relevant field)
3.	PLCP	PLC Programming (Siemens, Allenbradley & Mitsubishi)	2.7.2018, 1.10.2018 and 28.1.2019	3 Months (3 Hrs. per day)	10000	Degree/Diploma in Engg./ITI (in relevant field)
4.	ESD12W - 1 to 3	Embedded System Design	23.7.2018, 15.10.2018 and 4.2.2019	12 Weeks (3 Hrs. per day)	15000	Degree/Diploma in Engg./ITI (in relevant field)
5.	ADMMA (NSQF LEVEL-6)*	Advance Diploma in Machine Maintenance & Automation	1.8.2018 and 4.2.2019	6 Months (3 Hrs. per day)	30000	Degree/Diploma in Engg./ITI in Electronics & Instrumentation



## III. Specialized Skill Upgradation Trainings



1.	SCADA	SCADA (Siemens)	16.4.2018, 17.8.2018 and 10.12.2018	2 Weeks (3 Hrs. per day)	5000	Degree/Diploma in Engg./ITI (in relevant field)
2.	MP1W – 1 to 3	Microcontroller Programming	14.5.2018, 16.7.2018 and 31.12.2018	1 Week (6 Hrs. per day)	2500	Degree/Diploma in Engg./ITI (in relevant field)/Professionals
3.	PLC-P	PLC Programming (Siemens)	14.5.2018 and 10.9.2018	2 Weeks (6 Hrs. per day)	5000	Degree/Diploma in Engg./ITI (in relevant field)
4.	IE - 1 to 3	Integrated Electronics (Microprocessor, Microcontroller , Embedded & PCB)	4.6.2018, 2.7.2018 and 7.1.2019	4 Weeks	8000	Degree/Diploma in Engg./ITI (in relevant field)



# ELECTRICAL & SOLAR SECTION

## I. Skill Development Trainings for Employment



Sl. No.	Programme Code	Title of the Programme	Starting Date	Duration	Fee (₹)	Eligibility
1.	DIE-01 (NSQF LEVEL-4)*	Domestic Cum Industrial Electrician	1.8.2018	1 Year (3 Hrs. per day)	20000	High School



## II. Skill Oriented Entrepreneur Development Trainings



1.	RAC-14 to 15	Refrigerator and Air Conditioner Repair Maintenance	2.7.2018 and 7.1.2019	3 Months (3 Hrs. per day)	8000	8 <sup>th</sup> Pass
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### III. Specialized Skill Upgradation Trainings



1.	SETA(III)- 1 to 5	Solar Energy Technology and Application	7.5.2018 8.10.2018 26.11.2018 10.12.2018 and 11.3.2019	1 Week (6Hrs. per day)	2500	Open to all for Self Employment
2.	SETA(II) – 2 to 3	Solar Energy Technology and Application	17.9.2018 and 11.2.2019	2 Weeks (6 Hrs. per day)	5000	Open to all for Self Employment



### COMPUTER SECTION

#### I. Skill Development Trainings for Employment



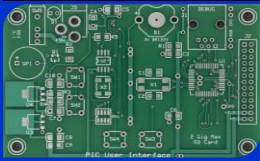
Sl. No.	Programme Code	Title of the Programme	Starting Date	Duration	Fee (₹)	Eligibility
1.	'A'-9*	NIELIT 'A' Level Computer Course	2.7.2018	1 Year (4 Hrs. per day)	20000	'O' Level Pass / Graduate / 3 Years Diploma in Engg.
2.	'O'-36to37*	NIELIT 'O' Level Computer Course	2.7.2018 and 1.1.2019	1 Year (2 Hrs. a day)	18000	Intermediate / ITI (after 10 <sup>th</sup> Pass)



#### II. Skill Oriented Entrepreneur Development Trainings

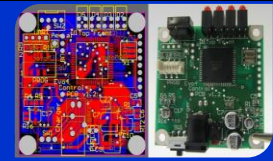


1.	CHRN - 16 to 19	Computer Hardware Repair, Maintenance & Networking	16.5.2018, 2.7.2018 1.10.2018 and 1.1.2019	12 Weeks	8000	10 <sup>th</sup> Pass With Computer Software Skill
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### PCB SECTION

#### I. Skill Development Trainings for Employment



Sl. No.	Programme Code	Title of the Programme	Starting Date	Duration	Fee (₹)	Eligibility
1.	PCB-01 (NSQF LEVEL-4)*	PCB Design & Manufacturing	2.7.2018 and 1.1.2019	1 Year	20000	High School



#### II. Skill Oriented Entrepreneur Development Trainings



1.	PCB(S)	PCB Design & Manufacturing	13.8.2018	6 Months	8000	High School
2.	ESPCB	Embedded System and PCB Technology	10.9.2018	3 Months	12000	Degree/Diploma in Engg./ITI (in relevant field)
3.	MPCB	Microcontroller and PCB Technology	17.9.2018	3 Months	12000	Degree/Diploma in Engg./ITI (in relevant field)



### III. Specialized Skill Upgradation Trainings



1.	SSPM	Single Side PCB Manufacturing	27.08.2018, 10.12.2018 and 11.02.2019	1 Week	2000	Degree/Diploma in Engg./ITI (in relevant field)
2.	PCBP	PCB Design & Manufacturing for Project	22.10.2018, 12.11.2018, 04.03.2019 and 25.03.2019	3 Days	3000 (Each Project)	Students of Engg. / Polytechnic
3.	PCB	PCB Design & Manufacturing	3.12.2018 and 4.2.2019	2 Weeks	3000	Degree/Diploma in Engg./ITI (in relevant field)



## MECHANICAL SECTION

### I. Skill Development Trainings for Employment



Sl. No.	Programme Code	Title of the Programme	Starting Date	Duration	Fee (₹)	Eligibility
1.	CCMO – 3-4 (NSQF LEVEL-3)*	Certificate Course in Machine Operation	2.7.2018 and 1.1.2019	1 Year	24000	8 <sup>th</sup> Pass



### II. Skill Oriented Entrepreneur Development Trainings



1.	CCM-01 (NSQF LEVEL-4)*	Certificate Course in Machining	2.7.2018	6 Months	15000	CCMO, ITI Fitter or Equivalent
2.	BW	Basic Welding Techniques	17.9.2018	12 Weeks (3 Hrs. per day)	4500	8 <sup>th</sup> Pass
3.	CAD/CNC	CAD-CNC Operator	10.12.2018	12 Weeks (3 Hrs. per day)	11000	ITI Fitter/CCMO



### III. Specialized Skill Upgradation Trainings



1.	CNC – 77 to 81	Operation & Use of CNC Lathe & Milling Machine	4.6.2018 18.6.2018 2.7.2018 16.7.2018 and 7.1.2019	2 Weeks	5000	Degree / Diploma in Engg./IT (Turner / Machinist/CCMO)
2.	MET – 5 to 6	Metrology	16.7.2018 and 14.1.2019	1 Week	3000	Degree / Diploma in Engg./IT (Turner / Machinist/TRP)
3.	TIG-MIG – 3 to 4	Operation of Tig – Mig Welding	10.9.2018 and 17.12.2018	2 Weeks	4500	Degree / Diploma in Engg./IT (Turner / Machinist/CCMO)

### 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. per day)	7200	10 <sup>th</sup> Pass
2.	CCA	Certificate Course in Computer Application	6 Months (2 Hrs. per day)	3600	10 <sup>th</sup> Pass
3.	C++	C++ Programming	2 Months (1 Hrs. per day)	2500	10 <sup>th</sup> Pass
4.	'C'	'C' Language	2 Months (1 Hrs. per day)	2000	10 <sup>th</sup> Pass
5.	COMP FUND.	Computer Fundamental	1 Month (1 Hrs. per day)	1000	8 <sup>th</sup> Pass
6.	CAD	Computer Aided Design (Auto CAD)	4 Weeks	6000	Degree / Diploma

**ESTC CELEBRATES OPEN DAY ON  
SEPTEMBER 15<sup>th</sup> 2018  
ON THE EVE OF ENGINEERS DAY**

**All students are welcome, Explore our Labs. Just Carry Identity card for Entry.**

## Vocational Trainings for the students of Polytechnic and Engg. Colleges

Sl. No.	Programme Code	Title of the Programme	Starting Date	Duration	Fee (₹)	Eligibility
1.	MP4W - 8 to 10	Microcontroller Programming	21.5.2018, 18.6.2018 and 7.1.2019	4 Weeks (3 Hrs. per day)	5000	Degree/Diploma in Engg./ in relevant field
2.	ES4W - 5 to 7	Embedded System	21.5.2018, 18.6.2018 and 7.1.2019	4 Weeks (3 Hrs. per day)	7000	Degree/Diploma in Engg./ in relevant field
3.	RMTEL	Repair and Maintenance of Telecom Equipment	14.5.2018	4 Weeks (3 Hrs. per day)	5000	Degree/Diploma in Engg./ in relevant field
4.	MP(S)	Microprocessor Programming (8085)	4.6.2018, 2.7.2018 and 7.1.2019	4 Weeks (3 Hrs. per day)	5000	Degree/Diploma in Engg./ in relevant field
5.	PLC(S)	PLC Programming (Siemens)	4.6.2018, 2.7.2018 and 7.1.2019	4 Weeks (3 Hrs. per day)	5000	Degree/Diploma in Engg./ in relevant field
6.	APLC(S)	Advance PLC & SCADA	4.6.2018, 2.7.2018 and 7.1.2019	4 Weeks (3 Hrs. per day)	5000	Degree/Diploma in Engg./ in relevant field (Already attended PLC Programme)
7.	SETA(I) - 8 to 11	Solar Energy Technology and Application + Software PV-Sol	14.5.2018, 11.6.2018, 23.7.2018 and 1.1.2019	4 Weeks (3 Hrs. per day)	5000	Degree/Diploma in Engg./ in relevant field
8.	STM - 8 to 9	Small Transformer Manufacturing & Voltage Stabilizer, Assembly	28.5.2018 and 7.1.2019	4 Weeks (3 Hrs. per day)	5000	Degree/Diploma in Engg./ in relevant field
9.	JP	Core Java / Java Programming	11.6.2018 and 21.1.2019	4 Weeks (2 Hrs. per day)	5000	Degree/Diploma in Engg./ in relevant field
10.	HW	Computer Hardware & Networking	11.6.2018 and 21.1.2019	4 Weeks (3 Hrs. per day)	5000	Degree/Diploma in Engg./ in relevant field
11.	PCB(S)	PCB Design & Manufacturing	4.6.2018, 2.7.2018 and 7.1.2019	4 Weeks (3 Hrs. per day)	5000	Degree/Diploma in Engg./ in relevant field
12.	PCBD	PCB Design on ALTIUM SOFTWARE	16.7.2018 and 14.1.2019	6 Weeks (3 Hrs. per day)	5000	Degree/Diploma in Engg./ in relevant field
13.	WS(S)	Advance Level Workshop Practice	4.6.2018 and 1.1.2019	4 Weeks (3 Hrs. per day)	5000	Degree/Diploma in Engg./ in relevant field
14.	CAD - 74 to 78	Computer Aided Design (Auto CAD)	4.6.2018, 2.7.2018, 20.8.2018, 7.1.2019 and 4.2.2019	4 Weeks (3 Hrs. per day)	6000	Degree/Diploma in Engg./ in relevant field
15.	CRE-O - 10 to12	CAD Using CRE-O	4.6.2018, 2.7.2018, and 7.1.2019	4 Weeks (3 Hrs. per day)	7000	Degree/Diploma in Engg./ in relevant field
16.	CNC(S)	Operation & Use of CNC Lathe & Milling Machine	2.7.2018 and 7.1.2019	4 Weeks (3 Hrs. per day)	7500	Degree/Diploma in Engg./ in relevant field

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

- |  |   |
|--|---|
| (i), Solar Energy Technology & Application   | (ii) PLC Programming                                  |
| (iii), Industrial Automation                 | (iv) PCB Design & Manufacturing                       |
| (v) Small Transformer Design & manufacturing | (vi) Ethical Hacking & Cyber Security                 |
| (vii) LEAN Six SIGMA                         | (viii) Digital Marketing                              |
| (ix) 3D Printing                             | (x) Personality Development & effective communication |
| (xi) Mechanical Machines & Equipments        | (xii) PHP   |

### ADMISSION PROCEDURE

Admission in all programmes are open on first come first serve basis subject to meeting the eligibility criteria and payment of tuition 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 tuition fee for physically handicapped candidates. Tuition fee is payable in cash/through Swipe Machine / CBS Cheque / Demand Draft in favor of Principal Director, ESTC, Ramnagar Payable at Ramnagar Distt. Nainital (Uttarakhand) Pin 244715. Fee once paid will not be refunded / transferred to other course.

**NEFT:- Principal Director ESTC, Name of The Bank : Punjab National Bank, Account No: 3880000100034421, IFSC Code: PUNB0388000 (Share Transaction Details Through E-mail.)**

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

**\* No Training Fee for SC/ST candidates for NSQF and NIELIT Courses.**

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

- (1) **LODGING :-**
- @ Rs. 300 per month for long term course
  - @ Rs. 50 per day for short term (upto two weeks) courses
  - cot & mattress only will be provided.
  - cot, mattress and bedding will be provided.
- (2) **FOOD :-** -Is available in ESTC canteen on direct payment basis.



# ESTC's ACTIVITIES

To meet the objectives of the Centre, three main activities are carried out in the Centre i.e. Specialised 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 specialised 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 under FRANCHISE SCHEME, 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 etc.

## **CORE COMPETENCE OF ESTC**

- Training in Computer Software – NIELIT 'O' & 'A' level courses.
- Training in Printed Circuit Board (PCB) design & manufacturing.
- Training in Programmable Logic Controller (PLC), Microcontroller Programming, SCADA, AC/DC drives, VLSI Design & DCS.
- Training in Office Equipment, Cell Phone repair etc.
- Training in Machine Tool Room Practices, CAD/CAM.
- Training in Transformer Winding / Manufacturing.
- Design & manufacturing of microprocessor based equipment.
- Software development work.
- Design & Manufacturing of PCBs.
- Training in Solar Energy Technology & Application.

## BOOK-POST

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*"Technology is just a tool. In terms of getting the kids working together and motivating them, the teacher is the most important."*

