

INTRODUCING OURSELVES

Electronics Service & Training Centre (ESTC) Ramnagar is a leading training centre backed up by a modern Printed Circuit Board (PCB) Design & Manufacturing Lab, large Computer Section and Electronics Lab and other supporting labs. It was set up in 1986 with the assistance of UNDP. It is situated at foothills of famous Jim Corbet National Park in Kumaon region.

We design & manufacture PCBs, design & develop microprocessor based systems and also do software developments work. Our Training wing provides quality training in the field of Computer Software DOEACC 'O', 'A' and 'B' level, Computer Hardware & Networking, PCB design & manufacturing, Electronics, Instrumentation, Office Equipment, Tool Room Practices, CAD/CAM etc. We have NABL accreditation for electrotechnical and mechanical disciplines. Our motto is to provide training & service of high quality with continual improvement in all spheres with customer satisfaction.

OUR AIM AND OBJECTIVES

- ❖ to design & manufacture PCB for industries, design & develop microprocessor based systems for industries.
- ❖ to provide consultancy services to SSI units.
- ❖ to assist SSI units to increase their competitiveness.
- ❖ to provide quality control, testing & calibration facilities to SSI units.
- ❖ to conduct one year training programmes in PCB, Tool Room practices, Electrical Technology, Electronics and DOEACC 'O', 'A' & 'B' level programmes.
- ❖ To conduct short term training courses in CAD/CAM, CNC operation, PLC, AC/DC drives, Computer Hardware & Networking, Cell Phone Repair and Office Equipment etc.

OUR QUALITY POLICY

We at ESTC are committed to provided quality training, services & consultancy upto total satisfaction of students and customers respectively by continually improving the effectiveness of our quality management system.

INFRASTRUCTURE AT A GLANCE

- Modern PCB design & manufacturing Lab with latest CNC drilling machine, HAL Machine.
- Electronics lab with latest PLC, AC/DC drives, microprocessor trainer, PCB diagnostic equipment.
- Training centre with more than 40 conventional machines, 5 CNC machines and more than 100 pentium IV computers with latest configurations.
- Modern Tool Room with EDM wire cut machine.
- Area covered 7 acres.
- Hostel for all the trainees – boy & girls.
- ESTC's franchise centres are located at 7 places – Dehradun, Haldwani, Pithoragarh, Roorkee, Rudrapur, Kashipur, Ramnagar in Uttaranchal state.

FACILITIES AVAILABLE

- ❖ Class Room with modern Audio Visual equipment viz. LCD Projector, OHP, DVD, Digi CAM, Video Camera, Plasma Screen etc.
- ❖ ISDN line for internet connection
- ❖ Full fledged Library equipped with books, manuals, catalogues and different magazines and journals.
- ❖ Opportunity for computer trainees to work on live projects in industries.

FACULTIES

Professionally qualified, experienced and overseas trained full time faculties are engaged in teaching theory and practical. Visiting faculties from Industries & Engineering Institutions are also engaged as per the requirement for teaching to the trainees.

Some of our Valued Customers

- ❖ Surya Roshni Ltd., Kashipur, Distt. U.S. Nagar (Uttaranchal)
- ❖ Industrial Farm & Equipment, kashipur, Distt. U.S. Nagar (Uttaranchal)
- ❖ Pasupati Acrylon Ltd., Thakurdwara, Distt. Moradabad (U.P.)
- ❖ Honda Sieal Power Products, Rudrapur, Distt. U.S. Nagar (Uttaranchal)
- ❖ Parvatiya Plywood, Ramnagar, Distt. Nainital (Uttaranchal)
- ❖ Tiger Camp, Dhikuli, Ramnagar, Distt. Nainital (Uttaranchal)
- ❖ Mannu Maharani, Dhikuli, Ramnagar, Distt. Nainital (Uttaranchal)
- ❖ Claridges Hide Way, Dhikuli, Ramnagar, Distt. Nainital (Uttaranchal)
- ❖ Zebra Zippers, Kashipur, Distt. U.S. Nagar (Uttaranchal)
- ❖ Benza Electronics System, Delhi
- ❖ Allied Electro Services, Haldwani, Distt. Nainital (Uttaranchal)
- ❖ Delta Electronics, haldua, Ramnagar, Distt. Nainital (Uttaranchal)
- ❖ Unitech Instruments, Delhi
- ❖ Mannu Enterprises, Delhi
- ❖ Commet Enterprises, Haridwar (Uttaranchal)
- ❖ Bhaskar Energy Pvt. Ltd., Pantnagar, Distt. U.S.Nagar (Uttaranchal)
- ❖ Chima Papers Ltd., Kashipur, Distt. U.S. Nagar (Uttaranchal)
- ❖ Shivangi Crafts Ltd., Kashipur, Distt. U.S. Nagar (Uttaranchal)
- ❖ Ishita Electronics, Ghaziabad (U.P.)
- ❖ Vimra Food Products, Ramnagar, Distt. Nainital (Uttaranchal)
- ❖ Precision Calibration & Testing Centre, New Delhi
- ❖ Vinytics Peripherals Pvt. Ltd., New Delhi
- ❖ HMT, Ranibagh, Haldwani, Distt. Nainital (Uttaranchal)
- ❖ Piconics System & Services, Noida
- ❖ Tiger Tops, Dhikuli, Ramnagar, Distt. Nainital (Uttaranchal)
- ❖ Audio Vision Lucknow (U.P.)
- ❖ BHEL Rudrapur, Distt. U.S. Nagar (Uttaranchal)
- ❖ J.K. Dairy, Gajrola (U.P.)
- ❖ Agmetal India, Delhi
- ❖ Pepsico India Holding Ltd., Bazpur, Distt. U.S. Nagar (Uttaranchal)
- ❖ Senior Engg. Corporation, Kashipur, Distt. U.S. Nagar (Uttaranchal)
- ❖ DSM Sugar Mills, Kashipur, Distt. U.S. Nagar (Uttaranchal)
- ❖ Whale Graphics India Ltd., Delhi
- ❖ Shiva Engg. Company, Kashipur, Distt. U.S. Nagar (Uttaranchal)
- ❖ SRF Ltd., Kashipur, Distt. U.S. Nagar (Uttaranchal)

Some of our Valued Recruiters

- ❖ Munjal Auto Components, Gurgaon
- ❖ Oswal Electricals, Faridabad
- ❖ Pepsico India Holding Pvt. Ltd., Bazpur, Distt. U.S. Nagar (Uttaranchal)
- ❖ Raunaq Automotive Component Ltd., Gajrola (U.P.)
- ❖ Sark Synertek Ltd., Noida (U.P.)
- ❖ Precision Electronics, Noida (U.P.)
- ❖ Oberoi Circuits Pvt. Ltd., Faridabad
- ❖ Fine Tracks Ltd., Ramnagar, Distt. Nainital (Uttaranchal)
- ❖ Samon Electronics, IMT Manesher
- ❖ Supreme Circuits Ltd., Okhla, New Delhi
- ❖ Garg Electronics, Panchkulla
- ❖ Gyan Electronics, Lucknow (U.P.)
- ❖ Vidhya Circuits, Lucknow (U.P.)
- ❖ Altek Pvt. Ltd., Ghaziabad (U.P.)
- ❖ Datum Computers, Haldwani, Distt. Nainital (Uttaranchal)
- ❖ CGM Computers, Haldwani, Distt. Nainital (Uttaranchal)
- ❖ Hutch Care Centre, Delhi
- ❖ Compaq Service Centre, Haldwani, Distt. Nainital (Uttaranchal)
- ❖ Xenium Telecom, Haldwani, Distt. Nainital (Uttaranchal)
- ❖ Delta Electroncis, Ramnagar, Distt. Nainital (Uttaranchal)
- ❖ Mannu Enterprises, Delhi
- ❖ AG Measure Matcis, Roorkee, Distt. Haridwar (Uttaranchal)
- ❖ SMD Circuits & System, Delhi
- ❖ Trycon Telecom Pvt. Ltd., Delhi
- ❖ Micro Circuit System, Delhi
- ❖ Mega Tech Component, Delhi
- ❖ Hero Honda Motors, Gurgaon
- ❖ Technovative Engineers, Delhi
- ❖ Hind Lamp Ltd., Mathura
- ❖ Radiant Polymers Pvt. Ltd., Rudrapur (Uttaranchal)
- ❖ Lucas-TVS, Rudrapur (Uttaranchal)

Diploma in Computer Application (DOEACC 'O' level)

- Duration** : 01 Year
- Eligibility** : 10+2 or ITI Certificates (01 year) after class 10th.
- Brief about the course** :
- IT Tools & Applications.
 - Business Systems.
 - Internet and Web Design.
 - Programming & Problem solving through "C" language.
- Suitability** : The passed out trainees will be very much suitable to work as Junior Programmer, EDP Assistant, Web Designer & Lab demonstrator.
- Annual intake** : 80 Nos.
- Availability** : Every year in the month of June.

Advance Diploma in Computer Application ('A' level)

- Duration** : 01 Year
- Eligibility** : 'O' level / Government recognized polytechnic engineering diploma after class 10. Followed in each case, by an accredited 'A' level course (no concurrency). A Government recognized polytechnic engineering diploma after 10+2/Graduate and an accredited 'A' level course in each case.
- Brief about the Course** :
- IT Tools and Application.
 - Business Systems.
 - Internet and Web Design.
 - Programming & Problem solving through "C" language.
 - Computer Organization.
 - Structured System Analysis & Design.
 - Data Structure through "C" language.
 - Introduction to Data Base Management Systems.
 - Basics of OS, Unix & Shell Programming.
 - Data Communication & Networks.
 - Introduction to Object Oriented Programming & C++.
- Suitability** : The passed out trainees will be very much suitable to work as programmer, Web administrator, training faculty, Web content developer and trouble shooter.
- Annual intake** : 40
- Availability** : Every year in the month of July.

Diploma in Computer Hardware Maintenance (CHM-O level)

- Duration** : 01 Year
- Eligibility** : 10+2 (Science) or ITI Certificates (01 year) after class 10th in Electrical/Electronics/Computers/Instrumentation Engineering.
- Brief about the course** :
- Electronics Components and PC Hardware.
 - PC Architecture.
 - Computer Peripherals and Networking.
 - System Software, Diagnostic & Debugging Tools.
 - Personality Development & Communication skills.
- Suitability** : The passed out trainees will be very much suitable to work as Trouble shooters, Technician (PC), Assistant system administrator and Lab demonstrator.
- Annual intake** : 40 Nos.
- Availability** : Every year in the month of April.

Advanced course in Tool Engineering

- Duration** : 01 Year
- Eligibility** : Degree/Diploma in Mech./Automobile/Production
- Brief About the Course** : Practical oriented training programme contains 80% Practical and 20% Theory
- Metrology.
 - Machine Tools.
 - Industrial Lubricants & Safety.
 - CNC Machines.
 - Tooling Material and Heat Treatment.
 - Tool Design & Manufacturing.
 - Computer Aided Design.
- Suitability** : Passed out trainees will be very much suitable for tool designing, tool making, planning, manufacturing, quality control, CNC programming & operation.
- Annual intake** : 15
- Availability** : End of November every year.

Tool Room Practice

- Duration** : 01 Year
- Eligibility** : Intermediate / ITI
- Brief About the Course** : Practical oriented training programme contains 85% Practical and 15% Theory
- Safety First aid and Lubrication.
 - Mechanical Hand Tools.
 - Mechanical Measuring and Inspection Instrument.
 - Engineering Material.
 - Mechanical Engineering Drawing.
 - Mechanical Machines.
 - Heat Treatment.
 - Specialized Mechanical Machines.
 - Welding Techniques and Sheet Metal Works.
- Suitability** : The passed out trainees will be very much suitable to work as fitter, machinist and welder.
- Annual intake** : 40 at 6 monthly interval.
- Availability** : June & December every year.

Electrician Trade Practice

- Duration** : 01 Year (3 hours per day) (01.08.05 – 31.07.2006)
- Eligibility** : Intermediate / High School with one year Experience.
- Brief About the Course** : Practical oriented training programme contains 50% Practical and 50% Theory
- Basic Electrical.
 - Tool & Equipment Handling.
 - Electrical wiring.
 - Electrical Home Appliances.
 - Basic Electronics.
 - Transformer winding.
 - Power Equipment Assembly.
 - Motor rewinding.
- Suitability** : The passed out trainees will be very much suitable to work as operator in industries producing electrical goods, power equipment, transformer & also to work as Electrician in Electrical maintenance department.
- Annual intake** : 30
- Availability** : In the month of July every year.

Electronics Product Assembly, Repair & Testing

Duration	:	01 Year
Eligibility	:	Intermediate
Brief About the Course	:	Practical oriented training programme contains 85% Practical and 15% Theory <ul style="list-style-type: none">• Electrical Engineering.• Electronics Engineering.• Basic Skills and use of Electronic Instruments.• Electronic Product Assembly & Testing.• Use of Computer in Electronics Industry.• PCB Design.• Wound Components.• Communication System.• Radio Receiver & Tape Recorder.• Monochrome & Colour Television Receiver.
Suitability	:	The passed out trainees will be very much suitable to work as production / quality control operator & repair technician of Electronics products.
Annual intake	:	20
Availability	:	In the month of August every year.

Computer Aided PCB Design & Manufacturing

Duration	:	01 Year
Eligibility	:	Intermediate
Brief About the Course	:	Practical oriented training programme contains 85% Practical and 15% Theory <ul style="list-style-type: none">• Basic Electricity, Basic Electronic & components.• Computer Familiarization & PCB Design.• Production overview and material.• Mechanical machining operation.• Film Master Preparation.• Screen and Photo Printing.• PCB Inspection & Quality Control
Suitability	:	The passed out trainees will be very much suitable to work as production operator, CNC drilling machine operator and design assistant in PCB Industries.
Annual intake	:	20
Availability	:	June & December every year.

Advanced course in PCB Technology

- Duration** : 01 Year
- Eligibility** : Diploma in Electronic Engg. / Electrical Engg. / B.Sc. (PCM).
- Brief About the Course** : Practical oriented training programme contains 80% Practical and 20% Theory
- Manual PCB Design.
 - Computer Applications in PCB Design Industry.
 - Computer Aided PCB Design.
 - PCB Production Material, Safety and Mechanical Operations.
 - Film Master Preparation : Photo and screen printing.
 - Plating, Etching and Quality Control.
 - PCB Assembly.
- Suitability** : The passed – out trainees will be very much suitable for employment in PCB industries as Designer and Production Supervisor.
- Annual intake** : 15
- Availability** : End of August every year.

Advanced course in Industrial Instrumentation

- Duration** : 01 Year
- Eligibility** : Diploma in Electronic Engg. / Electrical Engg. / B.Sc. (PCM).
- Brief About the Course** : Practical oriented training programme contains 30% Practical and 70% Theory
- Electronics Devices & Circuits.
 - Digital Electronics & Microprocessor.
 - Repair & Maintenance.
 - Industrial Instrumentation.
 - Industrial Automation.
 - Entrepreneurship Development
- Suitability** : The passed – out trainees will be very much suitable for employment in Process industries as Maintenance Engineer. The most advance & rare skills given on PLC & AC DC drives give them edge over diploma/graduate engineers.
- Annual intake** : 15
- Availability** : End of February & August every year.

Specialised Training Programme

For 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 following specialised programmes are also conducted.

- PLC Programming & SCADA
- Operation & Maintenance of AC & DC Drives.
- Computer Aided Design.
- Operation & use of CNC Lathe & Milling machines.
- Operation & use of wire cut EDM.
- PLC Based Automation Techniques.
- Design of Transformers for Electronic Circuits.