



# SRIMATI PRIVATE I.T.I.

INDUSTRIAL TRAINING & MENTORING

Affiliated to NCVT, & DGE&T, Govt. of India



## ELECTRICIAN

# About Srimati Private ITI



**SRIMATI  
PRIVATE I.T.I.**  
INDUSTRIAL TRAINING & MENTORING



Srimati Private Industrial Training Institute is a reputed Institute for Industrial Training in the areas of Electrician, situated at Baruipur, Padmapukur more, Kolkata-700144. Srimati Industrial Training Institute, Baruipur, established in the year 2012 under the Directorate of Industrial Training, Govt. of West Bengal and also affiliated to NCVT, New Delhi & approved by DGE&T, Govt. of India.

Srimati Private Industrial Training Institute was established with a common objective and a strong commitment to the growth and promotion of technical and professional experts for solving the unemployment problem nationwide. Srimati Private ITI believes that a developing nation like India should have its human resources trained in cutting edge technology.

The core mission and objective of the institute is to provide value based education that can mold the careers of the young generation through technical education to make them achieve, progress and get established in life. We wish to promote technical skills and knowledge to our target group in order to raise their stability, efficiency and productivity.

## Why Srimati Private ITI?

Electrician is one of the most popular Industrial specializations among the students. Every year thousands of candidates apply at different electrician institute across the country with an aspiration to become a successful electrician. If you too are seeking a career in electrician, you have landed at the right place.

Srimati Private ITI promotes technical courses. So, it believes the electrician course in Kolkata is one of them.

The Institute always does advanced research. It always promotes market growth.

## ELECTRICIAN



### Name Of the Courses

- Electrician

### Duration

2 years

### Eligibility

10th



# ELECTRICIAN

**Duration:** 2 Years

**Objective:** The Electrician Trade is designed to provide students with comprehensive knowledge and practical skills in electrical installation, maintenance, repair, and troubleshooting of electrical systems. The course prepares trainees for employment in domestic, commercial, and industrial electrical sectors while emphasizing safety standards and modern electrical technologies.

**Exam:** 1st Year AITT-NCVT Certificate

## 1ST YEAR SYLLABUS

TRADE THEORY	TRADE PRACTICAL
<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Workshop Safety</li> <li>• Workshop Tools</li> <li>• Electricity and Electronics</li> <li>• Passive Devices</li> <li>• Magnetism</li> <li>• AC Current &amp; Chemical Effect</li> <li>• Measuring Instruments</li> <li>• Transformers, Wires &amp; Cables</li> <li>• Earthing</li> <li>• Fuses &amp; Relays</li> <li>• Underground Cables</li> <li>• Wiring &amp; Accessories</li> <li>• Industrial Wiring</li> <li>• Domestic Electric Appliances</li> <li>• Estimating &amp; Costing</li> <li>• Transistors and Power Amplifiers</li> <li>• Oscilloscopes and Power Electronic Devices</li> <li>• Illumination</li> <li>• DC Machines               <ul style="list-style-type: none"> <li>• Motors, generators, EMF equation</li> <li>• Single Phase Motor</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Workshop &amp; Safety Practices</li> <li>• Identification and Use of Workshop Tools</li> <li>• Basic Electrical Connections and Testing</li> <li>• Identification of Electronic Components</li> <li>• Testing of Passive Devices (Resistor, Capacitor, Inductor)</li> <li>• Practical on Magnetism and Electromagnets</li> <li>• AC Current and Chemical Effect Experiments</li> <li>• Use of Measuring Instruments (Multimeter, Clamp Meter, Megger)</li> <li>• Transformer Connection and Testing</li> <li>• Identification and Jointing of Wires &amp; Cables</li> <li>• Earthing Installation and Testing</li> <li>• Fuse and Relay Wiring Practice</li> <li>• Underground Cable Laying and Jointing</li> <li>• House Wiring and Accessories Installation</li> <li>• Industrial Wiring Practice</li> <li>• Servicing of Domestic Electric Appliances</li> <li>• Estimating and Costing of Electrical Materials</li> <li>• Transistor and Power Amplifier Circuit Testing</li> <li>• Use of Oscilloscope and Power Electronic Devices</li> <li>• Illumination Circuit Installation</li> <li>• DC Machines: Motor &amp; Generator Connections and EMF Verification</li> <li>• Single Phase Motor Connection, Testing &amp; Maintenance</li> </ul>

Workshop Calculation & Science	Engineering Drawing
<ul style="list-style-type: none"> <li>• Units, Fraction, Square root, Ratio, Percentage</li> <li>• Trigonometry, Mensuration</li> <li>• Heat, Temperature, Lever, Work, Power, Energy</li> <li>• Material Science, Mass, Weight, Density</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Lines and Lettering</li> <li>• Geometric Construction and free hand Sketching</li> <li>• Dimensioning</li> <li>• Size and Layout</li> <li>• Symbolic Representation</li> </ul>

Employability Skills	After 1st Year You Can Do:
<ul style="list-style-type: none"> <li>• Communication skills</li> <li>• Basic computer knowledge</li> <li>• Teamwork &amp; safety</li> </ul>	<ul style="list-style-type: none"> <li>• House wiring</li> <li>• Appliance repair</li> <li>• Electrician Assistant.</li> </ul>

**Project Work : Major Project (Choose Any One)**

- Motor Rewinding with Testing Report • Domestic House Wiring with Estimation

**Electrician – Final Outcome (After 1 Year)**

**Career Progression & Salary**

Stage / Experience	Job Role	Salary Range (Kolkata)
After 1st Year	Wireman, Electrician Assistant	₹8,000 – ₹12,000

**Duration:** 2 Years

**Objective:** Industrial wiring, 3-phase systems, motor winding, automation

**Exam:** Final AITT → NCVT Certificate

**2ND YEARS SYLLABUS**

TRADE THEORY	TRADE PRACTICAL
<ul style="list-style-type: none"> <li>• DC Machine</li> <li>• DC and AC Machine Winding</li> <li>• 3-Phase System</li> <li>• AC Motors (3-Ph)</li> <li>• Alternator</li> <li>• 3-Ph Transformer</li> <li>• Circuit Breakers</li> <li>• Underground Cable</li> <li>• Renewable Energy</li> <li>• PLC &amp; Automation</li> <li>• Substation</li> <li>• Digital Electronics</li> <li>• Oscillators &amp; Multivibrators</li> <li>• Maintenance</li> <li>• Energy Resources Thermal Power Plant &amp; Turbines</li> <li>• Transmission &amp; Distribution of Power</li> <li>• Hydroelectric and Nuclear Power Plant</li> <li>• Electric Vehicle</li> </ul>	<ul style="list-style-type: none"> <li>• 3-phase wiring, phase test</li> <li>• DOL, star-delta starter</li> <li>• Motor rewinding</li> <li>• Synchronization demo</li> <li>• Oil testing, parallel operation</li> <li>• Rewind 3-phase motor</li> <li>• Breaker testing</li> <li>• Control panel wiring</li> <li>• Cable joint practice</li> <li>• Install 1kW solar setup</li> <li>• PLC starter control</li> <li>• Visit &amp; SLD drawing</li> </ul>
	Engineering Drawing
	<ul style="list-style-type: none"> <li>• Electro Technical Drawing Symbol</li> <li>• Wiring and Contactors</li> <li>• Electrical Accessories</li> <li>• Domestic Electric Appliances</li> </ul>

Workshop Calculation & Science	Employability Skills
<ul style="list-style-type: none"> <li>• Lubrication, Algebra, Profit &amp; Loss, Interest</li> <li>• Elasticity, Estimation and costing</li> </ul>	<ul style="list-style-type: none"> <li>• English &amp; communication</li> <li>• Basic computer knowledge</li> <li>• Entrepreneurship basics</li> </ul>

**After 2 Year, You Can Do:-**

- House Wiring Work • Appliance Repair & Maintenance • Electrician Helper Job • Battery Service & Maintenance Work • Electrical Installation Work • Motor Wiring & Repair Work • Industrial Electrical Work • Electrical Maintenance Technician Job

**Project Work : Major Project (Choose Any One)**

- Automatic Star-Delta Starter Panel
- 1kW Solar Power Plant Installation
- Motor Rewinding with Testing Report
- Domestic House Wiring with Estimation

**ITI Electrician – Final Outcome (After 2 Years)  
Career Progression & Salary**

Stage / Experience	Job Role	Salary Range (Kolkata)
After 1st Year	Wireman, Electrician Assistant	₹8,000 – ₹12,000
After 2nd Year (ITI Complete)	Electrician, Maintenance Technician	₹12,000 – ₹25,000
After 2 Years Experience	Supervisor, Electrical Contractor	₹25,000 – ₹50,000+
After CITS Certification	ITI Instructor (Govt / Private)	₹30,000+ (Govt Pay Scale)

**Guest of Honour**



Late fashion designer Sharbari Datta had brought a revolution in the fashion industry. Starting from the colourful dhoti to men's clothes, she has designed everything beautifully. From Kolkata to Mumbai, everyone talks about her design. She was a pioneer in men's wear. Her designs have been worn by many Bollywood actors.



Chaiti Ghoshal is an actress who has worked in Bengali movies and television.



Mrs. Suparna Mukherjee who represented Bengal, India in an International platform, on a Beauty Pageant. She received the honour of MRS ASIA PACIFIC QUEEN AMBASSADOR in 2018.



Arjun works on the principles of deconstruction and asymmetry while exploring different aesthetic in modern garments design



Mr. Yadav has 22 years Core experience in Healthcare Industry Nationally & Internationally with strong vision to create professional environment & Quality Service. He is running Group of Companies as a MANAGING DIRECTOR of HOSPIMED GROUP.



Mr. Jain is one of the leading interior designer in Kolkata. He is also president of ABID Interior 2022.



Anshu Modi has been an integral part of the Indian Fashion Industry from its nascent inception. Anshu Modi is one of the leading names in the Indian fashion spectrum and she started her career very early in the 90s when a handful of Indian fashion designers were in the fray.



Abhishek Dutta is already a glittering star on Kolkata's fashion ramp. A science graduate, who received his fashion technology degree from Wigan & Leigh College, Kolkata, Abhishek has already earned accolades galore.



Miss. Ushoshi Sengupta is an Indian beauty pageant contestant, who won the title of Miss Universe in 2010.



Rimi Nayak graduated in the year 2007 from the National Institute of Fashion Technology, Kolkata. In the same year she bagged an award at the prestigious Lineapple International Young Designers Competition, Italy. ... Thus the label has an Indian soul in Cosmopolitan Styling with sophistication and minimalism.



Mrs Javeda Sultana, an experienced Beautician, and well known face in the field of beauty and wellness. She is having expertise in both Beauty therapy and make-up. In a span of a 12 years she created a legacy and a benchmark of her own kind. Srimati Techno Institute and students feel immense proud for getting her guidance and expertise.



The brand Jaya Mishra is especially focused on bridal and ethnic wear. Her brand that draws its inspiration from the diverse cultures in the Indian sub continent is renowned for its subtle yet dramatic use of colors and



Mr. Soumitra Chatterjee was an Indian film actor, play-director, playwright, writer, thespian and poet. He is regarded as one of the greatest and most influential actors in the history of Indian Cinema. He is best known for his collaborations with director Satyajit Ray, with whom he worked in fourteen films & many more. He had blessed our students in the event-THINKING 2K18, Organized by Srimati Techno Institute.



Mr. Karan Jain is true successor of Mr. Ajit Jain. He successfully carry the design legacy of his father and extremely popular in new youth.



Goutam Ghosh is an Indian film director, Actor, music director and cinematographer, who works primarily in Bengali cinema. He is the only Indian to have received the "Vittorio Di Sica" Award, Italy, in 1997. In 2012, the Government of West Bengal honoured him with the Banga Bibhusan for lifetime achievement. Our students are enriched by his valuable knowledge sharing at our event-THINKING 2K18.



Mr Chadda, owner of Chadha Designs Pvt Ltd, successfully creating new concept in the field of Interior Design.



Mr. Arjun Chakraborty is an renowned Indian Film Actor, who was born and brought up in Rajasthan. He made his Film debut in a short character in the film Zara ki Zindagi in 1983. His most influential acting was in 1986 film 'Ankush' starring with Nana Patekar. Later he was influenced with Bengali Film Industry, starting with the film, 'Kan diye Kinlam' in the year 1989. Now he is directing films and his debut film as director is 'Toi Raights' in 2008. He was our chief guest in our program THINKING 2K24 and blessed all our students, which was held at Exhibition Hall, 5th Floor, Lake Mall, jointly organised by Srimati Techno Institute & Srimati Private ITI.



A renowned Architect, involved with so many trunky project. He graced the THINKING 2K10 organised by Srimati Techno Institute.



Mr. Samrat Mukherjee is a well known personality from Bengali and Hindi Film & Television industry.



Miss Suchismita Pati, MBA Construction & Project Management, Amity University, currently working with CBRE, an American commercial real estate services and investment firm. She is in sync with the latest technology & techniques, and has helped scores of business people with her ideas on improving results from their digital tech efforts. She was a mentor, Philosopher & guide as an PMO among our student.



Urvashi Basu, director of REALITY DESIGN PRIVATE LIMITED, is one of the pioneer Interior designer from of Kolkata. Mrs. Basu is an inspiration for new youth. Our students has got an unique opportunity, where they interacted with her at THINKING 2K18, initiated by Srimati Techno Institute, in association with Sananda, ABP Group.



Mr. Jayanta Saha is the creative designer of New Door Interior. Mr Saha, is a motivator, conceptualizer in the field of space planing in Interior Designing. He was also a employer of our students in the field of Interior designing.



An empathetic and focused, and yet process-oriented, metrics driven leader who guides and motivates his team towards customer-centricity and service orientation approach for his stakeholders. An astute administration professional with 13+ years' experience in office management, facility management, vendor management, operations and complines across varied industries.



Mr. Sengupta having ample experience in the field of safety management. Currently working with L&T as a safety officer, a great leader and true inspiration for new safety aspirants.

# JOB FAIR



# Certificate Award Ceremony Cum Aashirwad



## Organisations that have Recruited from us



AND MANY MORE

# THINKING

(Seminar Cum Exhibition)

“Srimati Techno Institute offers innovative learning that builds skills and knowledge for employment and self-employment.”



# Annual Sports



# Srimati Retroscope





**1989**

Established in 1989 by  
Srimati Techno Foundation (P) Ltd

114/2A, Hazra Rd, near Kalighat  
Fire Brigade, Kalighat, Kolkata,  
West Bengal 700026



INITIATIVE



Vocational Training Provider (VTP)



**500+**

Recruitment  
Partners



**1 MILLION+**

Skilled Learners  
empowered



**100+ CAMPUS DRIVE**

Alumni network of more than 5 Lakh

**5 LAKH**



**AWARDS AND RECOGNITIONS**

**THAT FILL OUR SHELVES**



Thinking 2K24 Awards: Students from Srimati Techno Institute won several awards, including "Excellence" and "Concept" awards, in various categories such as fashion design, interior design, and multimedia. Thinking 2K24 Awards: Students from Srimati Techno Institute won several awards, including "Excellence" and "Concept" awards, in various categories such as fashion design, interior design, and multimedia.

Calcutta Times Fashion Week 2023: Students showcased their talents and won prizes in the fashion design category.

ABID Inter College Design Competition 2022: Students won the best student award in the art form category.

**Notable Winners**

Fashion Design: Hriday Kr. Barman, Arpita Naskar, and Ritu Shaw won the "Excellence" Award for their work in fashion design.

Multimedia: Saikat Paul, Dipayan Bose, and Anish Naskar won the "Excellence" Award for their work in multimedia.

Interior Design: Ankita Bag and Sunita Ghosh won the "Best Concept" Award for their work in interior design.

Some notable technical courses like Refrigeration & AC Mechanic, Electrician, Fitter, Welder, Automobile & various Short term Courses Students won the Excellence Award in Thinking 2K24.

**Other Achievements**

Placements and Industry Recognition: Srimati Techno Institute has a strong focus on placements and industry recognition, with many students getting placed in top companies.

Faculty Expertise: The institute has experienced faculty members who have mentored students to achieve these awards and recognitions.



Srimati Private ITI is an ISO 9001-2015 certified institute for its quality education & management system.  
Affiliated with NCVT, New Delhi and approved by DGE&T, Government of India.  
Member of the National Safety Council of India



“Education is not the filling of a pail, but the lighting of a fire.” “Learning never exhausts the mind.”

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