



KALCHINI GOVERNMENT ITI



SWADHIN

Operated by SWADHIN

ESTD :2022

AFFILIATED BY
NCVT



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Profile of Kalchini Government ITI



Kalchini Govt. ITI was founded in 2022, is located at rural area near Kalchini with high skilled faculties and enthusiastic students. The students are highly motivated to learn the cutting edge technology for the overall socio-economic development.

The environment provided to the students is not only for their technical advancements but also nurturing their mental growth to understand the practical scenario of current job market and equip themselves according to that.

Kalchini Government ITI was dreamt and is now being run by ‘SWADHIN’ (Society for Welfare and Development of Human Initiatives) under PPP mode. However, SWADHIN the very identity spells magic, for it is an acronym.

This technical institute is not only free from pollution & any kind of violence but also natural beauty surrounded this ITI helps all the students to develop a decent personality.

Any casual visitor is also treated like most respected person of ITI family because we believe in making a better future for entire society. The institute is entirely free from all sorts of pollution and disturbances.

Our MISSION

The eight fold Mission of Kalchini Government ITI is

- Imparting quality vocational Training thus equipping them with the knowledge and skill set suitable to the advancement of manufacturing and Service sectors so as to cope with today's global industrial environment.
- To develop the socio-economic status of entire society especially novel.
- Executing the programs to improve Employ-ability of the trainees and supporting them with campus placement activities thus contributing in Nation's common goal of minimizing the unemployment among educated youth and fulfill the requirement of Industries.
- Offer job to the people of backward classes by providing them proper training according to market requirements.
- To develop entrepreneurship skills in each student to make them self-dependent.
- To provide industry exposure to each and every student for making them industry ready.
- To uplift the quality of human resources.
- To promote not only the state but also the country as a giant skilled personnel provider.

Our VISION

To build up SWADHIN'S institute as premier institute

- Provide a peaceful & eco-friendly campus to all the students and staff. Enlighten the knowledge of getting job in each and every sector.
- Offer the scope of higher education to make them ready for a better prosperous future.
- To develop Kalchini Government ITI as a world class vocational training providing institute and to serve as a valuable resource for industry and society.
- Provide them proper counseling regarding job scope.

Our Quality Policy

- The most important asset of our institute is “Our Trainees”.
- To make them successful we at “Kalchini Government Industrial Training Institute” are committed to impart quality vocational training through continual improvement in training procedures thus developing our institute as a” World Class Institute”.

Quality Objectives

- New most demanded trades in Industries to be established at least in coming 3-5 years.
- Industrial Visits at least per trade for real field exposure.
- (Reasoning, G.K. and Spoken English) to include as co- curricular activities along with the main curriculum.
- New companies to be included at least in institute's yearly Campus Interview Programs every year.
- At least, "Training to Trainers" every year for our Instructors to be conducted.
- At least, new Audio Visuals on different topics for each trade every year to include
- At least, skill development programs like Lectures by experts (from Industry/Technical Institutions) cultural events, games meet, seminar, Model Exhibition etc. to be conducted in a year.

COURSES OFFERED AT *KALCHINI GOVERNMENT ITI:*

ELECTRICIAN

Duration of Training : 2 Years

Eligibility Qualification : Passed 10th class examination under 10+2 System of education with Science and Math's. Or its equivalent

Brief Description of Job Roles:

Electrician General; installs, maintains and repairs electrical machinery equipment and fittings in factories, workshops power house, business and residential premises etc. Studies drawings and other specifications to determine electrical circuit, installation details etc. Positions and installs electrical motors, transformers, switch-gears. Switchboards and other electrical equipment, fittings and lighting fixtures. Makes connections and solders terminals. Tests electrical installations and equipment and locates faults using megger, test lamps etc. Repairs or replaces defective wiring, burnt out fuses and defective parts and keeps fittings and fixtures in working order. May do armature winding, draw wires and cables and do simple cable jointing. May operate, attend and maintain electrical motors, pumps etc.

Electrical Fitter; fits and assembles electrical machinery and equipment such as motors, transformers, generators, switch-gears, fans etc., Studies drawings and wiring diagrams of fittings, wiring and assemblies to be made. Collects prefabricated electrical and mechanical components according to drawing and wiring diagrams and checks them with gauges, megger etc. to ensure proper function and accuracy. Fits mechanical components, resistance, insulators, etc. As per specifications, doing supplementary tooling where necessary. Follows wiring diagrams, makes electrical connections and solders points as specified. Checks for continuity, resistance, circuit shorting, leakage, earthling, etc. at each stage of assembly using mugger, ammeter, voltmeter

and other appliances and ensures stipulated performance of both mechanical and electrical components filled in assembly.



ipment such as bus bars, panel boards, electrical posts, fuse boxes switch gears, meters, relays etc. using non-conductors, insulation hoisting equipment as necessary for receipt and distribution of electrical current to feeder lines. Installs motors, generators, transformer etc. as per drawings using lifting and hoisting equipment as necessary, does prescribed electrical wiring, and connects to supply line. Locates faults in case of breakdown and replaces blown out fuse, burnt coils, switches, conductors etc. as required. Checks, dismantles, repairs and overhauls electrical units periodically or as required according to scheduled procedure. May test coils. May specialize in repairs of particular equipment manufacturing, installation or power house work and be designated accordingly.

FITTER

Duration of Training : 2 Years

Eligibility Qualification : Passed 10th class examination under 10+2 System of education with Science and Math's. Or its equivalent.

Brief Description of Job Roles:

Fitter General; Sizes metal parts to close tolerances and fits and assembles them using hand tools for production or repairs of machines, or other metal products. Studies drawings to understand specification of different parts, fittings or assembles to be made and their functions. They select materials, appropriate tool and equipment's to carry out their work. Holds the work in Vice, Cuts and shapes required parts to dimensions and specifications by processes of sawing, chipping, filing, grinding, drilling holes, screw cutting, scrapping etc., using hand tools for making specimens or finished components. Measures object while working using foot rules, calipers, micrometer, gauges etc. and checks for correct filing with square.

Gets half-finished object marked or marks it himself using face plate, marking block scribe, vernier, height gauges, vee-blocks, angle plate, sine plate, slip gauges, combination set, etc. depending on accuracies required, to indicate guide lines for finished sizes, holes to be drilled and pitch centres, threads to be cut and other working details as specified in drawing or sample. Clamps object securely in correct position in vice and files it to required dimensions according to punch marks and guide lines frequently measuring it with calipers, micrometer, vernier, gauges etc, makes holes with drill, cuts threads with taps and dies ensuring that they are square or at required angle to base. Measures finished article with dial indicator, micrometer, vernier, height gauges, screw gauges, plug gauges, sine bar, slip gauge, etc according to prescribed accuracies. May make parts separately and assemble those

with screws, rivets, pins, etc. as specified so as to make complete unit according to drawing.



Dismantles or removes worn out, broken or defective parts using hand tools or power tools and replaces them by repaired or new ones. Performs repairing and maintenance work (including preventive maintenance) of simple machines, dismantles and replaces different components to construct circuit of Pneumatic and Hydraulics. Tests completed article/ assembly to ensure correct performance. May do simple turning of parts on machines and perform welding, brazing, and like operations. May explain heat treatment processes viz., annealing, hardening, tempering etc. May specialize in particular type of machine or product and be designated accordingly. May suggest alterations. In addition Fitter have the ability to visualize the job, good coordination, mechanical attitude, manual dexterity and perform work related mathematical calculate.

ELECTRONICS MECHANIC

Duration of Training : 2 Years

Eligibility Qualification : Passed 10th class examination under 10+2 System of education with Science and Math's. Or its equivalent.

Brief Description of Job Roles:

Electronics Mechanics General; The trainee learns about safety and environment, use of fire extinguishers, artificial respiratory resuscitation to begin with. He gets the idea of trade tools & its standardization, Familiarize with basics of electricity, test the cable and measure the electrical parameter. Skilling practice on different types & combination of cells for operation and maintenance of batteries being done. Identify and test passive and active electronic components. Construct and test unregulated and regulated power supplies. Practice soldering and de-soldering of various types of electrical and electronic components on through hole PCBs. Assemble a computer system, install OS, Practice with MS office. Use the internet, browse, create mail IDs, download desired data from internet using search engines. The candidate will be able to construct and test amplifier, oscillator and wave shaping circuits. Testing of power electronic components. Construct and test power control circuits. Identify and test opto electronic devices. Able to achieve the skill on SMD Soldering and De-soldering of discrete SMD components. Verifying the truth tables of various digital ICs by referring Data book. Practice circuit simulation software to simulate and test various circuits. Identify various types of LEDs, LED displays and interface them to a digital counter and test. Construct and test various circuits using linear ICs 741 & 555.

The trainee will be able to operate DSO and perform various functions. Gaining the skill by practicing SMD Soldering and De-soldering of various types of IC Packages. Able to identify the defects and do rework of PCB. Construct and test simple electrical control circuits and various electrical protective devices. Identify, prepare, terminate and test various types of

electronic cables used in various electronic systems. Identify various functional blocks and I/O Ports of a 8051 microcontroller system, Familiarize with the instruction set of 8051 micro controller. Interface a model application with the Microcontroller kit and run the application. Construct and test various modulation/demodulation circuits. The trainee will identify and test various types of sensors used in electronic industries and construct and test circuits using various sensors system. They can construct and test analog and digital IC based application circuits as a part of project work. The trainee will work with DPM Modules to measure various electrical parameter,



h
e LCD modules to display a word. They will also skilled with various modulation techniques to acquaint with fibre optic communication techniques by using trainer kit. Identify various functional blocks/major components/ICs in the given stabilizer, rectify the faults. Identify various Input and output sockets/connectors of the given SMPS and UPS. Install and troubleshoot the given solar panel system. Dismantle and assemble various types of cell / smart phones and trouble shoot the cell/smart phone. Dismantle and assemble the given LED light stack. Design a LED light for the given ratings. Assemble decorative lighting system (serial lights) using LED strips. Dismantle, assemble, trouble shoot and rectify LED and LCD TV sets.

COMPUTER OPERATOR & PROGRAMMING ASSISTANT

Duration of Training : 1 Year

Eligibility Qualification : Passed 10th class examination under 10+2 System of education with Science and Math's. Or its equivalent.

Brief Description of Job Roles:

Computer Operator & Programming Assistant General; The trainee learns about safety and environment, use of fire extinguishers. He learns about trade tools, identifies computer peripherals, internal components, basic DOS commands, Windows and Linux interface and its related software installation process. Trainees will work with MS Office package to create word document, practice with excel sheet and get idea to create a good power point presentation, maintain database with MS Access. They will set up and configure a network system of an organization. They will understand and able to work on Advanced excel concepts. They will use internet to search information using browser along with official/ social communication process. Trainees will learn E-commerce system and will be able to browse, select and transact using different E-commerce websites. They will identify different type of cybercrimes now days and will be able to secure information from Internet by using cyber security concept. The trainees will be able to use cloud for their projects. They will comprehend the basic programming techniques and can create algorithms and flow charts. Trainees will create basic static webpage using HTML. Trainees can go on industrial visit or projects specified in the syllabus. The trainee learns scripting language i.e. JavaScript and will develop dynamic webpage and hosting technique in a registered domain. They will be able to develop programmes using Python.



Opportunities:

On successful completion of this course, the candidates shall be gainfully employed in the following industries:

1. Computer Operator in school-college or in any Company.
2. Assistant Programmer, Lab Assistant, Hardware and Networking job.
3. Computer trainer, network Administration, Database management etc.

Kalchini Government ITI Building



Kalchini Government ITI Classrooms



Kalchini Government ITI Workshop



OTHERS COURSE RUNNING IN **KALCHINI GOVT.ITI**

West Bengal Government has launched the **Utkarsh Bangla Scheme** with an aim of providing vocational training to school dropouts.

Key features of scheme:

- Objective of the scheme is to give vocational training to school dropouts by providing training ranging from 400 to 1200 hours.
- Under this scheme, beneficiaries will be trained in driving, tailoring, repairing television and other electronic equipment s, beautician courses etc.
- On completion the courses beneficiaries will be given Certificates would be given to those.
- The state Vocational Education Department will nodal agency in charge of implementing the scheme.
- The syllabus for courses under this scheme has been made in line with the National Vocational Education Qualification Framework.

In Kalchini Government ITI, there are available courses under

PBSSD COURSE DETAILS		
Course Name	Duration of the Course	Minimum Qualification
Domestic Data Entry Operator	(400 Hours)	10th Pass
Assistant Electrician	(440 Hours))	10th Pass

Our Recruiters



SWADHIN Facebook Page Link: <https://www.facebook.com/swadhintrust>

- **Baishak Celebration (7th May):** The Swadhin Trust celebrated Gurudev Rabindranath Tagore's 160th Birth Centenary at Santiniketan Institute of Polytechnic, Muluk, Bolpur and all other ITI campuses. The event was celebrated with various cultural programmes like singing, dancing and drama play of Tagore's creation.



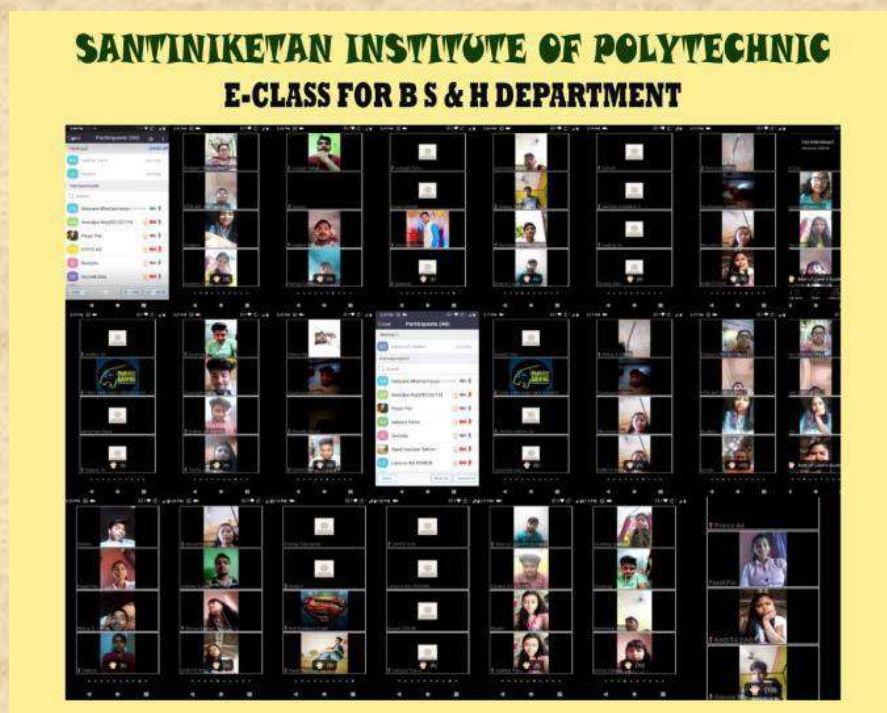
Baishak Celebration YouTube link:

<https://www.youtube.com/watch?v=IU5uJ0uiUgg>

Santiniketan Institute of Polytechnic

<https://www.facebook.com/santiniketaninstituteofpolytechnic>

- **E-LEARNIG:** – The Swadhin Trust has started E-learning for students pursuing ITI, Polytechnic, B.Ed and Skill/vocational training classes due the lock down situation. Around 1500 students are taking part actively through online classes and 100 teachers are engaged in imparting these classes. The Trust has also left no stone unturned to bring the students and teaching community on a single digital platform. Due to lock down, Schools and Colleges remain shut for months and the students are gradually frustrated and demotivated for drastic deviation from pre covid normal life and there was enormous loss for the society. Teachers are also depressed under new normal situation.



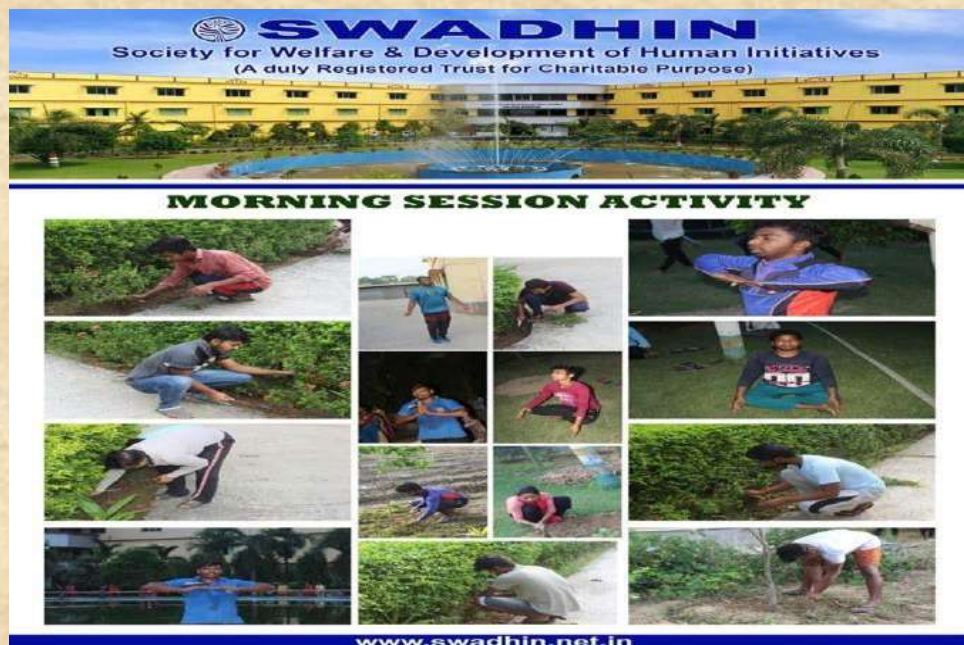
Therefore, the Trust has arranged daily awareness programme through virtual mode about organizing virtual classes, method of teaching and sharing of teaching materials and assessment under new normal situation due to COVID-19.

One E-Learning class link in SWADHIN official YouTube channel

https://www.youtube.com/watch?v=H3NDQZ_LOq0&list=PLsxBYSB8y2FxFuRw0vPWqMw3gJKAPwtCX

Physical Exercises for all in SIP Campus: To overcome corona virus infection routine exercises and yoga are being conducted to change life and health.
Face book Link:

<https://www.facebook.com/swadhintrust/photos/a.1943549135921894/2612444395699028>



➤ **Setting up of Quarantine Center for migrant labours:**

Swadhin has collaborated with the District authorities by setting up of Quarantine Center for migrant labours, off campus employees. Swadhin has also started a suspected COVID Quarantine Center at Nimtala Bolpur. This Center has facility of 100 beds with proper food and medical facilities



➤ **Privileged Residency for Senior Citizens:**

The facility has also been set up for Senior Citizen and otherwise able personalities to stay at “AMADER SANTINEKETAN- a peaceful living of Sr. People of the Society with proper food & lodging.



Amader Santiniketan Official Facebook Page Link:

<https://www.facebook.com/amadersantiniketan.bolpur>

- **Celebration of Yoga Day:** On the occasion of International Yoga Day on 21st June 2020, the Swadhin Trust has organized online Yoga sessions with various Yoga teachers. Around 250 students and staffs participated. The event was also celebrated inside the campus during morning activity session. People have benefitted from Yoga classes.



Online Yoga YouTube link:

<https://www.youtube.com/watch?v=RcmSIXLYGIs>

SWADHIN YOU TUBE:

<https://www.youtube.com/channel/UCTEVI8P89ppUPFsxb5Jk5qA>

- **Organisation of Webinar:** The Swadhin Trust has started online Web based seminar on various emerging areas like health services and education, problems of migrant labourers in construction sector etc. where large section of population actively participated and enriched the health and education services on virtual mode.

Heartiest Welcome to the
Live Webinar On
Online Consultation/ Tele Medicine
An Initiative taken by Santiniketan Sebaniketan,
a health unit/nursing home under Swadhin- Trust
Wednesday 15th July 2020, 10:00 PM
Hon'ble Speakers
1. Dr. Nilanjana Mitra 2. Tirthankar Nandy
Registrar, ICU. Founder and Director
NORTH CITY HOSPITAL. Zenith of Health Society
3. Dr. Pradip Chakraborty
Former Director DVET, WB
Live on Official Facebook Page of "Santiniketan Sebaniketan"
<https://www.facebook.com/186232303786739/posts/3356581121027584>
Help us to serve you better always

POINTS TO BE FOCUSED
1. The role of telemedicine during the COVID-19 epidemic in India.
2) Telehealth: An Important Player During the COVID-19 Pandemic.
Help us to serve you better always

Facebook Link of Santiniketan Sebaniketan post:

<https://www.facebook.com/santiniketansebaniketan/photos/a.1862329303786114/3371544186197944>

- **E-Health Services:** The Santiniketan Sevasadan, a unit of Swadhin Trust organizes awareness meetings on daily basis involving medical professionals, pharmacists and patients. Now 10 ITI campus are being utilized for providing digital health services with help of technical team of its Institutes, Doctors, nursing staff etc. for large number of rural patients, who are suffering with various diseases but unable to get treatment due to corona virus

Heartiest Welcome to the
Live Webinar On
Online Consultation/ Tele Medicine
An Initiative taken by Santiniketan Sebaniketan,
a health unit/nursing home under Swadhin- Trust
Tuesday 14 July 2020, 10:00 PM
POINTS TO BE FOCUSED
1. Implementation & Necessity of Telemedicine during the Covid 19 pandemic situation.
2) E-health care/ online medical consultancy during COVID-19: Benefits, limitations, hardships & adaptive measures
Hon'ble Speakers
1. Dr. Dipak Chakraborty 2. Mr. Ranjan Banerjee
MBBS, DII, Experienced Physician Assessor quality council of India
Presently working as Head EHS in Mahansaria tyres, Gujarat
Live on Official Facebook Page of "Santiniketan Sebaniketan"
<https://www.facebook.com/186232303786739/posts/3356581121027584>
Help us to serve you better always

infection, are now greatly benefited through on-line visit of Doctors, diagnosis and arrangement of medicines at concessional rates by the team of Colleges.

Swadhin has started a new initiative like On Line Telemedicine in various ITI campuses with technical support from Santiniketan Sebaniketan. This on line telemedicine has opened the door for the patients who are unable to reach to Doctors due to COVID 19 lock down. Since last one month Swadhin has offered services to more than 700 patients with involvement of 25 highly trained Doctors and Medical practitioners

Facebook Link of Santiniketan Sebaniketan post:

<https://www.facebook.com/santiniketansebaniketan/photos/a.1862329303786114/3368686443150385>

- **Cultural and Sports Programme:** Besides health, food and education mankind need touch of songs, recitation, drama playing and games for overall development of their brain and sound condition of physique. The Trust has also organizes daily programme on art, culture and game programmes by the experts in their relevant field for the students and society at large. Digitally those programmes are streamed using digital platform also.
- **On Line Operation & Management** – To facilitate the daily Operation and Management of Swadhin Trust a new way of Organizational Management System has been put in place that in through Online interactive meetings and strategic discussions with staffs and head of departments.
- **Relief Material Distribution To Nearby Villages** – SWADHIN have actively distributed food ration daily uses accessories including mask, sanitizer for the underprivileged villagers around its main campus in Bolpur, Santiniketan. It is going benefitted around the about 1500 villagers of three villages. We also have distributed mask and sanitizer for in-house campus staff.

Facebook link: <https://www.facebook.com/media/set/?vanity=swadhintrust&set=a.1943549135921894>



Others Programmes – Swadhin has decided to organize digital Mega Job Fair-2020 to facilitate recruitment of potential employable candidates. This Mega job fair will be organized from 10th to 15th August (10 a.m. to 6 p.m.) with expected participation of more than 50 companies and 12000 students. Swadhin will organize 22 SE SRABON (Tagore's 80th Death Anniversary) on 7th August with cultural.

Facebook link for 22 Se Srabon

<https://www.facebook.com/1909522612657880/videos/762995464456302>

Facebook link for Mega Digital Job Fair

<https://www.facebook.com/santiniketaninstituteofpolytechnic/photos/a.453372218063334/3304987106235150>