

## Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex

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Affiliated to Maulana Abul Kalam Azad University of Technology

West Bengal, WBSCTVESD and Approved by AICTE

## Contents

- ❖ Message from Principal
- ❖ Message from HOD
- ❖ Departmental Vision
- ❖ Departmental Mission
- ❖ PEOs & PSOs
- ❖ Digital Learning
- ❖ Webinars
- ❖ NSS Activities
- ❖ SURGE-Wall Magazine of EE
- ❖ Faculty Development Program (FDP)
- ❖ Parent Teacher Meeting

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*"Truth is stronger than fiction"*

– Lord Byron, English Poet

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## ❖ Message from Principal



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*"I was always looking outside myself for strength and confidence, but it comes from within. It is there all the time." – Anna Freud*

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*The key to Happiness is not that you never get Angry, Upset, Frustrated, Irritated or Depressed. It's how fast you decide to get out of it.*

**Dear Students, If you are determined to work hard to achieve your goal, nothing in this world can deter you from achieving your goal. However, if at the outset you fail to get your goal, figure out whether something change needed in your set goal as per your potential.**

**Again, work with great vigor you will definitely achieve your goal. If you have set your goal, strive hard to achieve it and the success will be yours. Taking excuse for not doing things is very easy, equally easy is finding reasons, ways and means for doing it.**

**Your enthusiasm, support and cooperation during this crisis period are appreciable. Covid-19 has given us many reasons to look into the other side of the table. Mother Earth, Nature, Plants, Animal and Birds are demanding many things from the Human being. It's right time to understand the need of the day. Education and learning can't be stopped. Love, affection, respect, kindness, desire, positive attitude and optimistic approach can't be locked down.**

**Try to develop positive mindset and attitude, so that a value-based success and goal can be achieved.**

**Dr. Saradindu Panda**

**Principal, SurTech**

## Program Educational Objectives of EE

- ❖ **PEO1:** Graduates will possess expertise in problem analysis, solving, designing, skills and necessary information for a successful career in the field of Electrical Engineering.
- ❖ **PEO2:** Graduates will accomplish practical acquaintance in modern designing tools, technologies and Engineering software in Electrical Engineering.
- ❖ **PEO3:** Graduates will be outstanding in communication, teamwork and multidisciplinary approach related to engineering issues in social context.
- ❖ **PEO4:** Graduates will excel in competitive environment towards leadership and life-long learning which is needed for a successful professional career.

## Program Specific Outcomes of EE

- ❖ **PSO 1:** Graduates will be able to solve real life problems of power system and power electronics using Power World, PSIM and MATLAB software tools and hardware.
- ❖ **PSO 2:** Able to provide socially acceptable technical solutions to complex electrical engineering problems with the application of modern and appropriate techniques for sustainable development.

## ❖ Message from HOD, EE



*"To myself I am only a child playing on the beach, while vast oceans of truth lie undiscovered before me."*

**-Sir Isaac Newton, American Physicist**

Welcome to Department of Electrical Engineering, Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, one of the front-liner colleges of the JIS Group. Electrical engineering is one of most fundamental branches of Engineering. The study of Electrical Engineering deals with the generation, distribution and transmission of power with its allied disciples. Our team consists of eminent faculties who are aspiring to be doctorates and are dedicated to continuously serve the student community. We encourage research and development in latest technology. We are committed to the development of students and faculties. Our faculties share their knowledge acquired from various national and international conference and equip the students to compete with international standards.

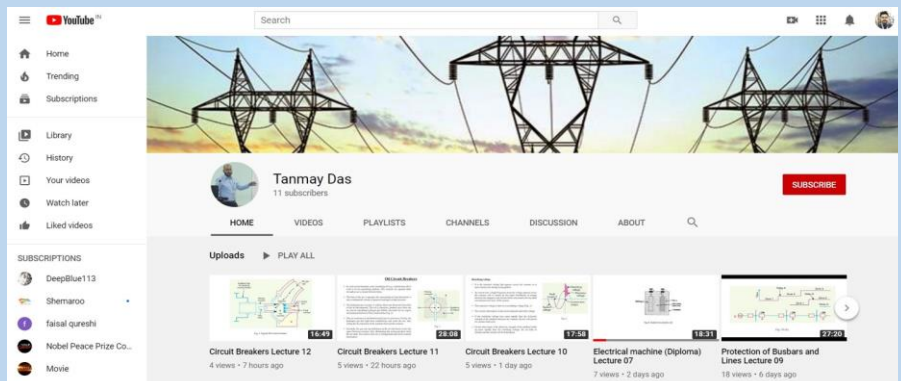
I express sincere thanks to all my students & staff members of EE department for their immense support & co-operation in the current lockdown situation.

**Dr. Sayantan Chakraborty**

**HOD, EE**

## ❖ Digital Learning

In the current lock-down scenario, teaching learning process are continuing uninterrupted. The faculties are taking theory & laboratory classes by means of several online platforms like GoToMeeting, My-Perfectice, YouTube, Google Classroom etc. Assignments, quizzes & tutorials are provided to the students which are evaluated digitally. Apart from live classes, the faculties are having their own YouTube Channels where Recorded lectures are archived.



## ❖ Webinars

The department of EE has organised webinars by eminent academicians & industry persons on the latest state-of-art technologies like PLC, SCADA, IIoT, e-CAD, Blockchain Technology, AI & Machine Learning etc. The students have attended these webinar sessions with lots of enthusiasm. These sessions were concluded with interactive Q&A sessions where lots of questions were answered & doubts were cleared by the experts. Some of the glimpses are shown below.

Webinar on **AUTOCAD**  
by Department of **Electrical Engineering**  
Dr Sudhir Chandra  
Sur Institute of Technology  
and Sports Complex in collaboration with  
Ardent Computech Pvt. Ltd.

18.2.22 (FRIDAY)  
4:45 PM -8:00 PM

Mr. Bijoy Naskar  
Senior Technical Expert

All the Participants will receive E-Certificates

Scan to join: [QR Code]

<https://www.surtech.edu.in/> | [www.jisgroup.org](http://www.jisgroup.org)

Mr. Bijoy Naskar is talking

1 to 100 Minute Timer Relay

Mr. Bijoy Naskar is talking

1 to 100 Minute Timer Relay

One Day Webinar  
on PLC

Organized by

Department of  
Electrical Engineering  
Dr. Sudhir chandra Sur  
Institute of Technology  
and Sports Complex

19th April, 2022  
5 PM Onwards

Scan to Join [QR Code]

Honorable Speaker:  
**MR. SOUMYADIP SARKAR**  
Senior Faculty in the Discipline  
of Automation using PLC and  
SCADA, ECAD, STAAD-PRO and ETAP

[www.surtech.edu.in](http://www.surtech.edu.in) | [www.jisgroup.org](http://www.jisgroup.org)

Industrial Automation (PLC) PRESENTED BY ARDENT COMPUTECH PVT.LTD

World Earth Day:  
Perspective to an Engineer

Think green, keep it clean

PRESENTED BY  
**SANEU SENGUPTA**  
JANOR Research Fellow

SCHOOL OF ADVANCED MATERIALS, GREEN  
ENERGY AND SENSOR SYSTEMS (SAGCESS)  
JEST, SHRIHAR

udy-bi-nyed system to renewable

Goal was 175 GW RE Installation

Targeted RE generation: 100,000 MW

Opportunities for Students & Faculties as  
Early-Stage Entrepreneurs

27th July (Thu)-11:30AM onwards  
Live zoom presentation on 2nd floor

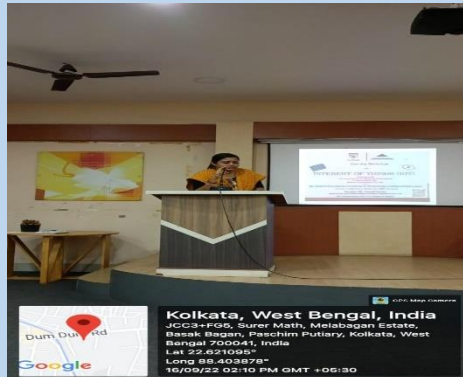
Organized by  
Department of Electrical Engineering  
Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex  
360, Centre Road, Surenagar, Kolkata-723134  
Dr. Anandendu Das  
Nikhil Bharal Shiksha Pariksha

Opportunities for Students & Faculties as  
Early-Stage Entrepreneurs



## ❖ Workshop on IOT

The Department of Electrical Engineering have organized the workshop on IOT. It was enlightened by Mr. Souvik Sarkar, an honourable guest from the Ardent Computech shared his valuable thoughts and conducted the technical session on IOT. Over the past few years, IoT has become one of the most important technologies of the 21st century. Now that we can connect everyday objects—kitchen appliances, cars, thermostats, baby monitors—to the internet via embedded devices, seamless communication is possible between people, processes, and things.



## ❖ Wall Magazine (Digital India Completion of 75 Years of Independence)

The Department of Electrical Engineering of DSCSITSC has digitally published the e-wall magazine on 8th September 2022. Topic was "Digital India Completion of 75 years of Independence". This wall magazine features the social, cultural, academic & extra-academic activities performed by the EE department amidst the pandemic roller-coaster.



## ❖ NSS Activities (Blood Donation Camp)

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex with an Extended Support of Department of Electrical Engineering has organized a Blood Donation Camp (An activity under Extra Curricular & NSS Activities Committee) in association with Lions Club, Payradanga on 18th August, 2022 from 11am onwards in our college premises.



## ❖ NSS Activities (Eye Check-up Camp)

We are pleased to inform you that on September 21, 2022, starting at 11 a.m. in Room 418, Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex, Electrical Engineering Department, in association with the Lions Club, Payradanga, organised a Free Eye Check-up camp (An activity under NSS Committee) for the college's staff, faculty, and students.





## ❖ Farewell of EE 2022 Pass out Batch

We are pleased to inform you that that the department of Electrical Engineering of Dr. Sudhir Chandra Sur Institute of Technology has celebrated the Farewell Ceremony "BON VOYAGE" for the 2022 pass out batch on 17th June, 2022 at departmental simulation laboratory from 3pm.

The farewell was coordinated by the 3rd year students. There was an open platform interaction for students from the 1st, 2nd, 3rd, and 4th year along with the faculty members of present and past. The students were delighted to see their juniors and faculty members. In the interaction, the students shared their life experiences at the college and expressed that these memorable moments will always be loved and cherished throughout the rest of their life. They were emotional when each faculty took turns to express their memories of them. Digital mementos were presented to every pass-out student by faculty members to make this event a cherished memory of their lifetime.



## ❖ Industrial Visits (Pascal Switchcare India Pvt. Ltd)

One day Industrial Visit was conducted by the Department of Electrical Engineering, DSCSITSC for the 4<sup>th</sup> Year students to the Pascal Switchcare India Pvt. Ltd. on 4<sup>th</sup> November, 2022. Pascal Switchcare India Pvt. Ltd. is a leading HT VCB manufacturer for Medium Voltage Indoor & Outdoor Vacuum Circuit Breakers and Control Relay Panels



## ❖ Industrial Visits (Suncraft Energy Pvt. Ltd)

One day Industrial Visit was jointly conducted by the Department of Electrical Engineering, DSCSITSC and Suncraft Energy Pvt. Ltd., Kolkata for the students of 2nd, 3rd and 4th year to the On-grid 500 kW solar power plant at the Kolkata Railway Station on 05th November, 2022. Suncraft Energy Pvt. Ltd. is a leading Solar Panel Designer and established many solar power plants around India



Faculty Achievement		
Name	Details	Link
Dr.Sayntan Chakraborty	COURSERA course on Solar Energy Basics	
Prathita Roy	COURSERA course on Solar Energy Basics	<a href="https://drive.google.com/file/d/1P3iE7OeDcvcQ4RfKgK1yvXPuHlx-CYir/view?usp=share_link">https://drive.google.com/file/d/1P3iE7OeDcvcQ4RfKgK1yvXPuHlx-CYir/view?usp=share_link</a>
Prathita Roy	Best Wicket Keeper of the Tournament,Man of the match in Semi final ,Man of the Match in Group League in "JIS Samman,Feb-2022(Cricket)"	-----
Rumrum Banerjee	Published Journal on"Designing PID Controller Using improved Differential-Pole-clustering Approach of Model Order Reduction Techniques",Journal of Engineering Research,Oct.2022	DOI: <a href="https://doi.org/10.36909/jer.1849">https://doi.org/10.36909/jer.1849</a>
Rumrum Banerjee	COURSERA course on Solar Energy Basics	<a href="https://drive.google.com/file/d/1wmOOnc0dFBuKvNdCZdM-NO_LhMNwEmK/view?usp=sharing">https://drive.google.com/file/d/1wmOOnc0dFBuKvNdCZdM-NO_LhMNwEmK/view?usp=sharing</a>
Rumrum Banerjee	Published Journal on"Stability analysis of reduced order distributed generation system (DGS) using logarithmic pole approximation",Sadhana,Dec.2022	<a href="https://www.ias.ac.in/article/fulltext/sadh/048/0005">https://www.ias.ac.in/article/fulltext/sadh/048/0005</a>

## ❖ Parent Teacher Meeting (PTM)

The PTM (Parents Teachers Meeting) of the Department of Electrical Engineering was conducted on 7th November, 2022 from 6-7 PM. Around 35 students along with their parents attended the meeting wherein he discussed the following topics-

- ❖ Importance of digital class was discussed during this hour of pandemic.
- ❖ Importance of student's attendance in the digital class was briefly discussed.
- ❖ Importance of attending the T&P sessions & tests.
- ❖ Importance of solving last 5 years of MAKAUT end semester question papers.
- ❖ Importance of research and need for new technology.
- ❖ Importance of preparing for GATE & other competitive examinations.
- ❖ Importance of doing innovative project work.
- ❖ Importance of publishing research papers in peer-reviewed journals/conferences.
- ❖ Parents were also requested to keep in touch with the subject teachers and mentors for their wards progress.

After the address of TIC, students and parents also interacted with subject teachers, and respective mentors. University results, Test results, Attendance, Discipline and Punctuality of a ward were discussed individually by the Mentor and counselling for improvement was given accordingly.

Following are the views and suggestions given by parents.

- ❖ Parents praised the faculty and were happy about the faculty's effort to improve their ward's future in this current scenario.
- ❖ They praised the college initiative for starting digital classes.
- ❖ Some Parents raised the network issue and constraint of data consumption.

