



TECHNO INDIA
SILIGURI INSTITUTE
OF TECHNOLOGY
A Satyam Roychowdhury Initiative

Electrowrite

A NEWSLETTER PUBLISHED BY EE SIT

VOL 8 ISSUE 1

VISION & MISSION

VISSION

To emerge as a leading Department of Electrical Engineering that caters to the latest needs of power sector, electrical & allied industry in the region.

MISSION

To evolve as an innovative & globally competent Electrical Engineering department that contributes to the socio - economic growth of region by utilizing the advancement in Electrical Engineering by providing conducive learning and interactive environment to students and facult

IN THE NEWS

PM LAUNCHES POWER SECTOR'S REVAMPED DISTRIBUTION SECTOR SCHEME

Prime Minister Narendra Modi recently participated in the Grand Final marking the culmination of 'Ujjwal Bharat Ujjwal Bhavishya - Power @2047' via video conferencing. He interacted with the beneficiaries of various schemes including beneficiaries of KUSUM, solar power, DDUGJY, IPDS and solar panels respectively.

For details visit: <https://www.electricalindia.in>

INDIA'S TOTAL POWER GENERATING CAPACITY



EVEN SEMESTER 2022 TOP PERFORMERS IN UNIVERSITY EXAMINATIONS

CONGRATULATIONS



Syantuk Dey, 1st year



Priya Chakraborty, 2nd year



Dewashis Pradhan, 3rd year

ROLE OF RENEWABLE ENERGY IN INDIAN ECONOMY

-by Abinab Nag
EE, 3rd Year



Renewable energy sources are non-conventional energy sources which are the need of the hour. Renewable energy sources contribute a lot in the reduction of green house gases emission along with having several socio-economic advantages when compared to carbon based fossil fuels. Renewable energy sources are the answer to India's energy demands which are growing and are expected to grow exponentially in the future. Through the "Make in India" initiative of the Indian Government, Renewable Energy will account for significant job creation in urban areas as well as rural areas along with several other renewable energy policies which cover Solar Energy, Wind Energy among other renewable energy sources. Renewable energy is responsible for sustainable jobs resulting in a boon for the youth of India.

EV TECHNOLOGY

-by Divya Gupta
EE, 3rd Year



Electric vehicle technology has advanced rapidly since its introduction, and today there are many plug-in hybrid and battery electric vehicle options available on the market. But how, exactly, do electric vehicles work and what are their advantages? EV technology is used in hybrid electric vehicles, plug-in hybrid electric vehicles and battery electric vehicles. The hybrid electric vehicle was the first EV technology to reach the modern vehicle market.

Electric vehicle technologies as well as associated energy storage systems and charging mechanisms. Different types of electric-drive vehicles are presented. These include battery electric vehicles, plug-in hybrid electric vehicles, hybrid electric vehicles and fuel cell electric vehicles.

Electric vehicles (EVs) are a promising technology for achieving a sustainable transport sector in the future, due to their very low to zero carbon emissions, low noise, high efficiency, and flexibility in grid operation and integration.

INTERACTION WITH STUDENTS



Mentor - Mentee Meeting



Parent Teacher Meeting

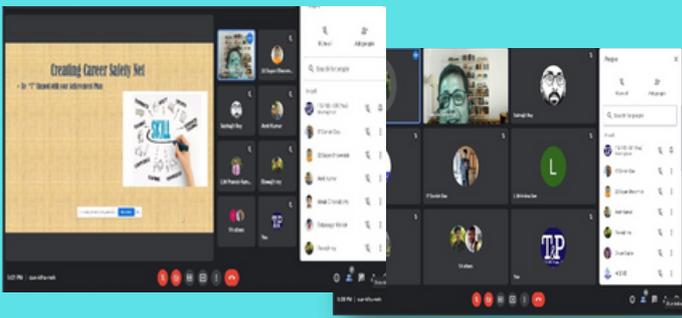
ENTREPRENEURSHIP ACTIVITY



Sourav Das and Sayan Malakar, 3rd Year students of Electrical Engineering became Winner of Techstars Startup Weekend Siliguri, at Inspiria Knowledge Campus.

Product name: trythemenu.com

WEBINAR



Career Counselling

**“Where do We go from Here ?
- Career Choice & Career Transition”
Date: 06.05.2022.**

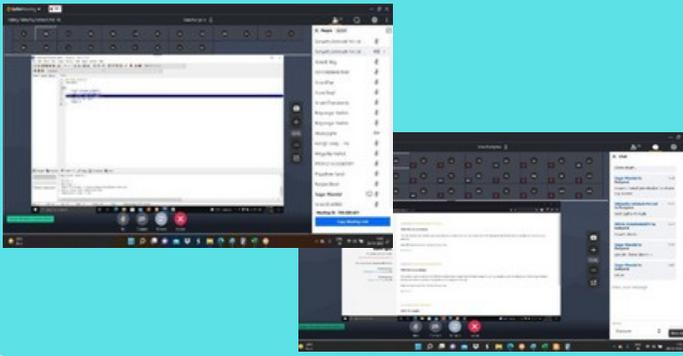


Career Guidance for Achieving Excellence

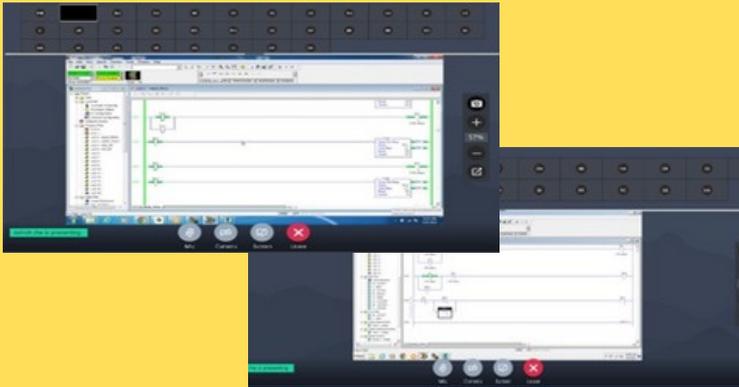
**“Electrical Engineering:
Empowering the entire world”**

Date: 01.04.2022.

SKILL DEVELOPMENT



12 days online training on basic C language with problem solving for 4th semester(2022 pass out) students during 28/03/2022-12/04/2022.



13 days online training on PLC & SCADA for 6th semester (2023 pass out) students during 28/03/2022 to 13/04/2022.



Training on MS Office for 2nd semester(2025 pass out) students during 15/02/2022-17/02/2022.

INNOVATIVE PROJECTS

Name	Project Title	Team size	Inter-disciplinary member, if any (provide details)	Status	Achievement, if any
Payel Majumder, Bedabrata Dutta & team	Automatic CO ₂ Removal	5	N/A	Completed	<ul style="list-style-type: none"> Winner in Tech-Fest 2022, SIT. Finalist of Young Engineers Award 2022 by IET YPS Kolkata Local Network in joint collaboration with CESC Ltd.
Sonam Dargey Bhutia & team	Accelerometric Gyroscopic Hand Indicator	2	1 from ECE Dept. (3rd Year)	Completed	Runner-up in Tech-Fest 2022, SIT.

STUDENT ACHIEVEMENT



Payel Das and Bedabrata Dutta, student of 4th year , Department of Electrical Engineering

- Runner-up of Hardware Yodhha, Technovision 2022, S.I.T.
- Finalist of Young Engineers Award 2022 by IET YPS Kolkata Local Network in joint collaboration with CESC Ltd.



Sourav Das, 3rd Year student of Electrical Engineering participated as speaker and mentor for students at Google I/O Deumeet 2022 at Sikkim Manipal Institute of Technology, Majitar for his entrepreneurial venture trythemenu.com.



Students of department of electrical engineering won as runner-up of basketball tournament at S.I.T., Intra college level competition.



Students of Department of Electrical Engineering became winner of volleyball tournament at S.I.T. Intra college level competition.



- Sanyik Nath, 3rd year student of department of Electrical Engineering won at S.I.T. Intra college level competition
1. Winner of table tennis
 2. Runner-up of badminton.



Vidyasagar Mallick & Bikramaditya Roy from 2nd Year and Rakesh Chandra Sutradhar, Deepshikha Hawladar & Rakhiparna Roy from 3rd Year of Department of Electrical Engineering Participated in group song on Rabindra Jayanti'2022.



Jagrity Saha, student of 4th year, is the Winner of Painting category named "T-SHIRT DESIGNING"



Rakhiparna Roy, student of 3rd year, is the Winner of Art & Craft category named , "BEST FROM WASTE"



Winner (Nature) || Hrishikesh Roy || Elephant family has always an unique bonding.

Hrishikesh Roy, student of 3rd year, is the Winner of Photography competition category named "NATURE"



Rahul Jaiswal and Sayantuk Dey from 2nd year EE department participated in Inter club Quiz Contest have achieved 1st Position

SPORTS:

100m women sprint: Rakhiparna Roy (3rd Year) - 3rd position.
 800m men sprint: Animesh Singha (4th Year) - 2nd position.
 200 m women sprint: Jayshree Barman (4th Year) - 2nd position.
 Shot-put discuss throw: Animesh Singha (4th Year) - 1st position

EVENTS



Saraswati Puja (February 2022)



Fresher's Welcome (February 2022)



**Fresher's Welcome
by EES on 23.02.22**



**International Women's Day celebration
by EES on 08.03.22**



**World Engineering Day celebration by
EES on 04.03.22**



**National Science Day
celebration by EES on
28.02.22**



**World Environment Day by
EES on 06.06.22**

CLUB ACTIVITIES



Innovation Club Name: UTKARSH
Date of Inauguration: 07.03.2022

ONGOING PROJECTS:

1. Bidirectional visitor counter
2. Railway track fault detection
3. Electric vehicle charging station integrated with renewable energy sources

ALUMNI INTERACTIONS



Talk series EEx - Past Guiding the Future

Mr. Diptiman Dey (2014 Batch)
Research Fellow
Dept. of ESE, IIT Bombay

Alumni Speaks

"I feel honoured and extremely lucky, not only to write for this Newsletter but also to be a part of this institution and having the best 4 years of my college life. I took admission into this college, specially in Electrical Engineering department, knowing its reputation and after passing out in 2022 I can happily say it delivers on all its promises. The faculty is one of the best resources a young mind can ask for to shape them for a better future. Apart from the extremely good study environment and knowledge pillar my department provided, I didn't miss any chance to participate in various extra-curricular activities and have the utmost fun I can have inside the institution. We have been constantly reminded, not to just study, but to actually understand how everything in the world works and make use of that to build extraordinary projects. The continuous encouragement from all the professors made it very easy for me to exponentially grow my knowledge and be aware of perpetually evolving technologies. When I got my degree I had immense satisfaction of getting placed in multiple companies and as well as a huge amount of confidence boost, that will be helping me for the rest of my life. Hence, I would love to conclude by saying that the decision I took to choose the institution and this department was easily one of the best decisions of my entire life."



- Darshan Nath

Editorial Board

Abinab Nag, 3rd Year EE Department

Priya Chakraborty, 3rd Year EE Department

Advisor

Jayanta Bhusan Basu, Assistant Professor

Shrabani Pal Maity, Assistant Professor