



St. Thomas' College of Engineering & Technology
Kidderpore, Kolkata, West Bengal

NEWSLETTER



SPARK

Department Of Electrical Engineering

-: Jan to March: -

Volume: EE-X, Issue-III: Apr. 22, 2025

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St. Thomas' College of Engineering and Technology

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Vision

Department:
EE
(NBA Accredited)

To create a strong research-based teaching and learning environment that will cater to the needs of modern Electrical Engineering.

Mission

Editor:
Rishav Shaw
Chitrita Dasgupta
Sampurna Dey
Pausali Saha
Ujaan Shraban

- To impart knowledge and technology to budding professionals and incite their quest for further enhancement of their learning.
- To produce recognized industry-ready professionals in Electrical Engineering, through educational program incorporating practice and project-based teaching-learning processes.
- To enhance knowledge in Electrical Engineering, through research for sustainable development of the society and the nation as a whole.
- To promote social, environmental and technological responsiveness related to electrical energy through dissemination of knowledge.

Faculty in-charge
Dr. K. Sarkar Assistant
Professor,
EE Dept

For further information
& feedback please contact:
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Program Educational Objectives (PEO)

PEO1- Have skills, in-depth knowledge and proficiency in the core areas of electrical and other related interdisciplinary engineering domains.

PEO2- Become successful practitioners in electrical industries and/or to be ready for entrepreneurship keeping in view of the national and global requirements.

PEO3- Have ethical values, social commitment and leadership qualities towards application areas of electrical energy.

Departmental Milestones

❖ Seminar/Webinar/Technical Talk

Mr. Arup Das, Assistant Professor, Electrical Engineering Dept., St. Thomas' College of Engineering & Technology delivered a talk on **Entrepreneurial Attributes**. The students of Electrical Engineering Department participated in the Talk titled **Entrepreneurial Attributes** on **28th February, 2025** organized by St. Thomas' College of Engineering & Technology.



Speaker:



Mr. Arup Das
Innovation Ambassador, MoE' Innovation Cell
Convener, IIC, STCET
Assistant Professor, Dept. of EE, STCET



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❖ Poster Presentation

- Electrical Engineering Students from First to Fourth Year participated in **Poster Presentation of Innovative Ideas/Innovation** which was held during **20th February, 2025** jointly organized by Institution's Innovation Council, IEI Students' Chapter of CSE & Co-Curricular Activity Cell in the campus of St. Thomas' College of Engineering & Technology.
- Gargee Mukherjee, Snehashis Pramanik, Utsa Ghosh & Kaushik Mistri were declared second runners up

❖ Workshop

- Electrical Engineering Students from First to Fourth Year participated in **Problem Solving and Ideation Workshop** which was held during **28th February, 2025** organized by Research and Development Cell in the campus of St. Thomas' College of Engineering & Technology



Winners of EE Dept. in Poster Presentation



Winners of EE Dept. in Problem Solving and Ideation Workshop

List of Electrical Engineering Students who were declared winners in individual events

Name of the Student	Event	Ranking
Gargee Mukherjee	Poster Presentation	Third
Snehashis Pramanik	Poster Presentation	Third
Utsa Ghosh	Poster Presentation	Third
Kaushik Mistri	Poster Presentation	Third
Jyoti Kumari Yadav	Problem Solving and Ideation Workshop	Second
Deetsa Chatterjee	Problem Solving and Ideation Workshop	Second

❖ Job Offer

Farzan Reza (Passout Batch Electrical Engineering 2024) has received an offer for Cloud Support Associate at Amazon, Bangalore with a remuneration of Twenty-Eight Lakh PA.



❖ **Publication**

Prof. (Dr.) Sujit K. Biswas & Dr. Diptarshi Bhowmick has published the following journals:

- S. Chakraborty, D. Maiti, A. Chakrabarti and **S. K. Biswas**, "Fault-tolerant control of active power filter with balanced three-phase line currents", IEEE Transactions on Industrial Electronics, vol. IE-72, no. 3, pp 2233 –2243, March 2025.
- C. Biswas, S. Chakraborty, K. Patro, J. Nain, A. Chakrabarti, R. Roy, B. Das, P. R. Kasari, S. Majumder and **S. K. Biswas**, "Negative sequence current injection based active islanding detection method", IEEE Transactions on Industry Applications, vol. IA-61, no. 2, pp 2093 – 2102, Mar/Apr. 2025.
- **D. Bhowmick**, S. K. Chowdhury, "Estimation of induction motor equivalent circuit parameters and losses from transient measurement", ISA Transactions, Volume 157, Feb. 2025, pp. 573-590, ISSN00190578, <https://doi.org/10.1016/j.isatra.2024.12.012>.

• ***Faculty Development/Training Activities/STTP***

- **Dr. Krishna Sarker, Dr. Indrayudh Bandyopadhyay, Dr. Sukanya Dasgupta, Mr. Arup Das, Dr. Diptarshi Bhowmick & Dr. Koustuv Sarkar** completed a Five-day National Level FDP on "Application of AI in Electric Vehicles: Challenges and Opportunities" [Online] IEM Newtown in association with HRDC, IEM-UEM Group on 20-01-2025- 25-01-2025.
- **Dr. Koustuv Sarkar** completed a Five-day National Level FDP on "Electric Vehicles and Energy Storage Systems: Recent Trends and Future Prospects", [Online] NIT Patna & Malla Reddy College of Engineering and Technology on 27th Jan.-31st Jan. 2025.
- **Dr. Koustuv Sarkar** completed a Five-day National Level FDP on "Competency Based Engineering Education", [Online] Ramco Institute of Technology, Rajapalayam on 10-02-2025-15-02-2025.
- **Dr. Krishna Sarker & Dr. Koustuv Sarkar** completed a One-week Faculty Development Program on "Harnessing AI & ML for Social Impact and Smart Industries", [Online] Electronics and ICT Academy, NIT Patna and Techno Main Salt Lake on 24-02-2025- 28-02-2025.

***“The true laboratory is the mind, where
behind illusions we uncover the laws of
truth”***

- Jagadish Chandra Bose