

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

**NEWSLETTER**



 **SPARK** 

*Department Of Electrical Engineering*

**-: Oct. to Dec.: -**

**Volume: EE-X, Issue-II: Jan. 29, 2025**

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# St. Thomas' College of Engineering and Technology

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## NEWSLETTER

### *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.

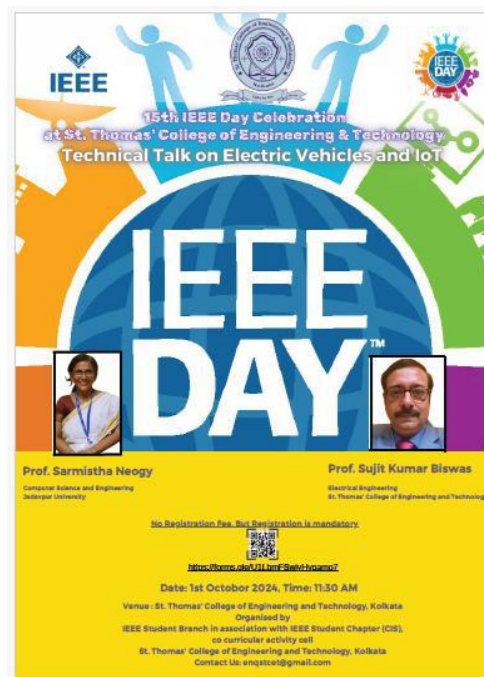
**PEO2-** Become successful practitioners in electrical industries and/or to be ready for entrepreneurship keeping in view of the national and global requirements.

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

## Departmental Milestones

- **Seminar/Webinar/Technical Talk**

Prof. Sujit K. Biswas, Professor, Electrical Engineering Dept., St. Thomas' College of Engineering & Technology delivered a technical talk on Electric Vehicles & the other speaker Prof. Sarmistha Neogy, Professor, Computer Science & Engineering, Jadavpur University also delivered a technical talk on IoT. The students of Electrical Engineering Department participated in the Technical Talk titled "Electric Vehicles and IoT" on 1<sup>st</sup> October, 2024 organized by St. Thomas' College of Engineering & Technology on 15<sup>th</sup> IEEE Day Celebration.





❖ *Annual Sports Day*

- Electrical Engineering Students from First to Fourth Year participated in **Annual Sports Day** which was held on **17<sup>th</sup> December, 2024** in the campus of St. Thomas' College of Engineering & Technology.
- Electrical students won in various individual events as well as group events, **the photographs of the winners in the group event** as well as the list of students who participated and **won in the individual events** is listed below.



**First Runners up in Girls Relay**



**Second Runners up in Boys Relay**

- **List of Electrical Engineering Students who won in individual events on Annual Sports Day**

<b>Name of the Student</b>	<b>Event</b>	<b>Ranking</b>
Sampurna Dey	Girls 50m	Third
Sampurna Dey	Girls Long jump	Second
Jyoti Kumari Yadav	Throw the ball	Second
Pausali Saha	Girls Relay	Second
Ishani Basak	Girls Relay	Second
Jyoti Kumari Yadav	Girls Relay	Second
Sampurna Dey	Girls Relay	Second



❖ **Publication**

Prof. (Dr.) Sujit K. Biswas, Dr. Koustuv Sarkar and Mrs. Ananya Bose has published the following conference papers:

- A. Chakrabarti, **K. Sarkar**, S. Chakraborty, D. Maiti, S. Mukhopadhyay and **S. K. Biswas**, “Open Circuit Fault-Tolerant Two-Level STATCOM with Balanced Line Currents,” *2024 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)*, Mangalore, India, 2024, pp. 1-6, Dec. 2024.
- **Ananya Bose**, Prerana Mukherjee, Anasua Sarkar, “Hierarchical Feature Integrated BoT-Unet with Contextual Feature Enhancement for Retinal Vessel Segmentation”, *Indian Conference on Computer Vision Graphics and Image Processing (ICVGIP 2024)*, Bangalore, India, Pages 1-9, Dec. 2024.

❖ **Faculty Development/Training Activities/STTP**

- Mr. Arup Das attended Two Days Symposium on “Renewable Generation and Integration Aspects for Sustainable Energy Mission” in Department of Applied Physics, University of Calcutta, 26-27 Oct. 2024.

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

**- Jagadish Chandra Bose**