



St. Thomas' College of Engineering and Technology

4, Diamond Harbour Road, Kidderpore, Kolkata- 700023

NEWSLETTER

DEPARTMENT

IT

TECH TIMES

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Faculty in Charge:

1. Dr. Arindam Chakravorty
Associate Professor,
IT

2. Dr. Sanchita Saha Ray,
Associate Professor,
IT

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VISION

To promote the advancement of learning in Information Technology through research oriented dissemination of knowledge which will lead to innovative applications of information in industry and society.

MISSION

- To incubate students grow into industry ready professionals, proficient research scholars and enterprising entrepreneurs.
- To create a learner-centric environment that motivates the students in adopting emerging technologies of the rapidly changing information society.
- To promote social, environmental and technological responsiveness among the members of the faculty and students.

PEO (PROGRAM EDUCATIONAL OBJECTIVES)

- Excel in professional career, higher education and research.
- Demonstrate professionalism, entrepreneurship, ethical behavior, communication skills and collaborative team work to adapt the emerging trends by engaging in lifelong learning.
- Exhibit the skills and knowledge required to design, develop and implement IT solutions for real life problems.

Departmental Milestones

I. R&D Cell Events at College:

- A seminar on **“Recent Trends in Photonics”** organized by the **Research & Development Cell, STCET** in collaboration with **IEEE Photonics Society, Kolkata Chapter**, and in association with **IEEE Student Branch, STCET**, at STCET on **November 18, 2024**. *The seminar received both technical and financial co-sponsorship from IEEE Photonics Society, Chapter of the Kolkata Section.*

Speakers: **Prof. (Dr.) Prasanta Kumar Basu**, Former Professor, Dept. of Radio Physics & Electronics, University of Calcutta, Kolkata on **“Optical Communication: From Long Haul to Short Link in Data Centres”**.

Prof. (Dr.) Tarun Kumar Gangopadhyay, Former Chief Scientist (Scientist-G) in Fiber Optics & Photonics Division, CSIR-Central Glass and Ceramic Research Institute, Kolkata on **“Photonics and Fiber Optics: Technology and Application”**.



Lecture 1: Prof. (Dr.) P. K. Basu

Lecture 2: Prof. (Dr.) T. K. Gangopadhyay



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- A Poster Competition Session was held on November 18, 2024. Posters on *“Recent Trends in Photonics”* were displayed by the students of STCET showcasing creative ideas of the students in various domains of Photonics such as Biophotonics, Smart Lighting, Illuminating Innovation, Solar PV integration in smart grids etc.,.

Winners from IT: Ms. Mouli Mondal, Ms Srijita Pal, IT, 1st Place

Mr. Anurag Chattopadhyay, Mr. Subhakanti Saha, IT, 2nd Place

Ms. Aditi Chaurasia, Ms. Rupsa Chakraborty, ECE, 3rd Place

V. FDPs, Seminar, Workshop attended by Faculty Members:

- Dr. Arindam Chakravorty**, attended a 12 weeks FDP on *“Foundations of R Software”*, organized by NPTEL (IIT Kanpur), Jul - Oct, 2024.
- Mr. Kalyan Das**, attended a FDP on *“Building Web Development Solutions with Cloud Computing”*, organized by AICTE-TLB Faculty Development Program, a part of the Next Gen Employability Program, October 21-25, 2024
- Dr. Ranjit Ghoshal**, attended a FDP on *“Open Source Applications in Engineering Education”*, organized by NITTTR Chandigarh, November 18-22, 2024.
- Dr. Arijit Ghosal**, attended a FDP on *“Open Source Applications in Engineering Education”*, organized by NITTTR Chandigarh, November 18-22, 2024.
- Mr. Amit Dutta**, attended a FDP on *“Open Source Applications in Engineering Education”*, organized by NITTTR Chandigarh, November 18-22, 2024.
- Dr. Sanchita Saha Ray**, attended a FDP on *“Recent Trends in VLSI Design Using Nanotechnology”*, organized by AICTE Training And Learning (ATAL) Academy Faculty Development Program, November 25-30, 2024.
- Ms. Subhashree Basu**, attended a FDP on *“Data Science using Python”*, organized by NITTTR Chandigarh, November 25-29, 2024.



Poster Competition

Winners: 1st, 2nd, 3rd from Left

VI. Achievements by the Faculty Members:

- Dr. Arindam Chakravorty** attended a 12 weeks NPTEL Course on *“Foundations of R Software”*, appeared in the test and placed Elite, Gold Medal, Topper.
- Dr. Arindam Chakravorty**, acknowledged by the NPTEL as *“Topper in Mathematics”*.
- Dr. Nilanjana Karmakar** received a Best Paper Award at the International Conference on Intelligent Systems and Security, Kolkata, India, LNNS, Springer for a conference paper titled *“Handwritten English Alphabet Recognition Using Topological Persistence”*.

VII. Faculty Promotions

Two faculty members, **Dr. Sanchita Saha Ray** and **Dr. Nilanjana Karmakar** have been promoted to the position of Associate Professor, effective January 01, 2025.

