



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



NEWSLETTER

Bits & Bytes

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

-: October to December :-

VOLUME CSX - EDITION II, JANUARY 29, 2025

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St. Thomas' College of Engineering and Technology

4, Diamond Harbour Road, Kidderpore, Kolkata - 700023

Department of Computer Science & Engineering

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Volume: CSX- Edition: II, 29th JANUARY, 2025

Editors:

1. Mr. Dyutiprovo Sarkar
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B.Tech 4th year,
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B.Tech 3rd year,
4. Mr. Swastik Dutta
B.Tech 2nd year
5. Ms. Nishantika Banerjee
B.Tech 1st year

Faculty in-charges:

1. Dr. Tapalina Banerjee Bhattacharjee,
Assistant Professor
2. Rajib Dutta,
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Assistant Professor
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Vision of the Department

To continually improve upon its teaching-learning process and research with a goal to develop technical manpower with sound academic backgrounds, who will respond to challenges and changes faced by dynamic scenario of Computer Science and Engineering.

Mission of the Department

- To inspire the students to work with latest tools and to make them industry ready.
- To impart research based technical knowledge.
- To groom the department as a learning centre for inculcating advancement of technology in Computer Science and Engineering with social and environmental awareness.

Program Educational Objective of Computer Science and Engineering

- To educate students to solve the problems for analysis and implementation of algorithms leading to optimal solutions fulfilling the dynamic requirement of industry and society.
- To inculcate into students the understanding of Computer Science and Engineering for grooming would be practicing engineers with sound knowledge of logic and design.
- To execute research in emerging fields in computer science and engineering so as to face the challenges of global competitiveness.



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Student's Achievements:

- **Rajdeep Das**, 1st year is the Winner of 4×100m Relay Race at the Annual Sports 2024-2025 which was organized by St. Thomas College of Engineering and Technology, Kolkata.(17th December, 2024).
- **Sanhita Pal**, 1st year has secured 2nd and 1st runner-up positions in 100m & 50m races respectively at Annual Sports on 17th December, 2024 and was the player of the winning team in the football match (Hardware vs Software) on 2nd December, 2024 which was organized by St. Thomas College of Engineering and Technology, Kolkata.
- **Ritwika Parui**, 1st year has achieved 2nd position in intra institutional innovation competition on 16th December, 2024 which was organized by St. Thomas College of Engineering and Technology, Kolkata.
- **Abhilasha Pandey**, 1st year, has secured 2nd place in intra institutional innovation competition.
- **Shruti Basu Mullick**, 1st year, participated in Manikarnika Art Gallery Held during 23rd October to 2nd November, 2024 and 23rd November to 02nd December, 2024. She also participated in sports held during December 2024 organized by STCET.
- **Sougata Dolui**, 1st year, has participated in the cultural event by St. Thomas College of Engineering and Technology, Kolkata.
- **Samriddha Nath**, 1st year, has achieved 2nd prize in Bharatnatyam in Chetla Murari Smriti Sangeet Sammilani on 18th October 2024.
- **Sampriti Mandal, Ankana Pradhan, Sampriti Mandal, Debsoumya Bhattacharya, Zinnia bag, Chandreyee Datta, Mouli Mandal, Piyas Midde, Srabana Mondal, Dibyajyoti Saha, Sayan Bhakta, Suparna Hore, Sayan Mondal, Rohit Khatri, Ankan Shit, and Indrajeet Kumar**, 1st year have participated in Sports by STCET (17th December, 2024).
- **Ujan Shyamal**, 1st year has participated in the 100 meters race, 200 meters race and 4×100 meters race events of the Sports (17th December, 2024) held by STCET.
- **Avinish Kumar Tripathi, Mahmoodul Hassan, Priyanshu Kumar**, 1st year has participated in the 100 meters race, 400 meters race, Long Jump, Shot put events of the Sports on 17th December, 2024 held by STCET.

Participation in Online Course:

- **Adityaprava Sen**, 1st year has successfully completed 28 total hours of online courses on *The CompleteJavaScript Course 2020: Build Real Projects!* on 23rd June, 2020 and 21 total hours online courses on *Modern HTML & CSS From The Beginning (Including Sass)* on 7th July, 2020 by Udemy.
- **Aditi Bose** 2nd year secured GOLD and ELITE with 94% in *The Joy of Computing using Python* 16 weeks (Sep-Dec 2020) NPTEL course.
- **Srijita Bhattacharjee** 2nd year secured GOLD in *The joy of Computing Using Python* 16 weeks (Sep-Dec 2020) NPTEL course. She also secured SILVER in *Programming Data Structures and Algorithms using Python* 12 weeks (Sep-Nov 2020) NPTEL course.
- **Chayani Basak** 2nd year secured GOLD certificate in *Technical English for Engineers* 8 weeks (Sep-Oct 2020) NPTEL course.



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Events Attended by CSE students

- Different seminars were organized as follows:
 - Seminar on “Process of Innovation Development, Technology Readiness Level (TRL); Commercialization of Lab Technologies & Tech Transfer” (23rd October, 2024)
 - Seminar on "Entrepreneurship and Innovation' as Career Opportunity" (21st November, 2024)
 - Celebration of National Education Day (28th November, 2024)
 - Extempore Competition at Celebration of National Entrepreneurship Day 2024 (29th November, 2024)
 - Webinar on My Story Motivational Session by Successful Entrepreneur/ Start-up founder (12th December, 2024)
 - Extempore to celebrate National Pollution Control Day (2nd December, 2024)
 - Intra Institutional Innovation Competition (16th - 18th December, 2024)

Faculty Participation in Online Course

- **Dr. Amit Paul, Dr. Tapalina Banerjee Bhattacharjee, Dr. Stobak Dutta, Samrat Sarkar, Amiya Halder, Ranjita Chowdhury, Suparna Dutta, Amartya Chakraborty** and **Swapna Halder** have successfully completed 5-days (2nd December – 7th December, 2024) online FDP on *Pioneering the Future of Healthcare: Robotics, Deep Learning, and Emerging Tech* organized by Academy of Technology (ATAL FDP).
- **Dr. Biswajita Datta** has successfully completed One-Week FDP from 2nd December – 7th December, 2024 on *Pioneering the Future of Healthcare: Robotics, Deep Learning, and Emerging Tech* Hosted by Academy of Technology, in association with ATAL FDP, Govt. of India and one-week FDP from 16th December – 21st December, 2024 on *Quantum Computing* Hosted by Dhanalakshmi Srinivasan Engineering College, in association with ATAL FDP, Govt. of India.
- **Sanghamitra De** has successfully completed 6-days (16th December – 21st December, 2024) online ATAL FDP on *Quantum Computing* organized by Dhanalakshmi Srinivasan Engineering College, Tamil Nadu.

Publication Details

- **Suparna Dutta**[†], Monidipa Das, and Ujjwal Maulik, "Lightweight deep learning models for aerial scene classification: A comprehensive survey", *Engineering Applications of Artificial Intelligence*, vol. 142, pp. 109859, 2025.
- Anukul Maity, **Mousumi Dutt**[†], Arindam Biswas, Bhargab B. Bhattacharya, “Approximate Cuboidization of an Orthogonal Polyhedron: A Combinatorial Approach”, *the 27th International Conference on Pattern Recognition, ICPR*, vol. 15332 pp. 253–269, 2024.
- **Amartya Chakraborty**[†], Md. Mahabub Khoda, Subhankar Naskar, and Nandini Mukherjee. "VOiCE: Voter Opinion in Community Exploration-a Case Study of Indian Elections." In *2024 IEEE Silchar Subsection Conference (SILCON 2024)*, pp. 1-6. IEEE, 2024.

[†] Publications by college faculty

* Publications by college students under the guidance of college faculty

“A computer is like a violin. You can imagine it making beautiful music, but you have to learn how to play it.”

– BILL GATES, THE FOUNDER OF MICROSOFT