



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



NEWSLETTER

Bits & Bytes

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

-: April to June :-

VOLUME CSX - EDITION IV, JULY 24, 2025

For Further Information Contact: mousumi.dutt@stcet.ac.in

Have a visit to our website:

For Feedback Contact: tapalina.b.b@stcet.ac.in

www.stcet.ac.in



St. Thomas' College of Engineering and Technology

4, Diamond Harbour Road, Kidderpore, Kolkata - 700023

Newsletter

Department

Computer Science & Engineering

Bits and Bytes

Volume: CSIX - Edition IV, 24th JULY, 2025

Editors:

1. Mr. Dyutiprovo Sarkar
B.Tech 4th year,
2. Ms. Swastika Kayal
B.Tech 4th year,
3. Ms. Disha Paul
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,
Assistant Professor
3. Mr. Ranit Baram,
Assistant Professor
4. Ms. Debosmita Roy
Assistant Professor

For

Further Information Contact:

mousumi.dutt@stcet.ac.in

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tapalina.b.b@stcet.ac.in

Vision of the Department

To continually improve upon the teaching-learning processes and research with a goal to develop quality technical manpower with sound academic and practical experience, who can respond to challenges and changes happening dynamically in 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 to inculcate advanced technologies in Computer Science and Engineering with social and environmental awareness.

Program Educational Objective of Computer Science and Engineering

- Have skills to solve the problems by analysis, design, develop and implementation of algorithms leading to optimal solutions fulfilling the dynamic requirement of industry and society.
- Have good understanding of Computer Science and Engineering concepts, making them practicing engineers with sound knowledge of logic and design, in Industries.
- Undertake research in emerging fields in computer science and engineering so as to face the challenges of global challenges in their higher studies and by lifelong learning.



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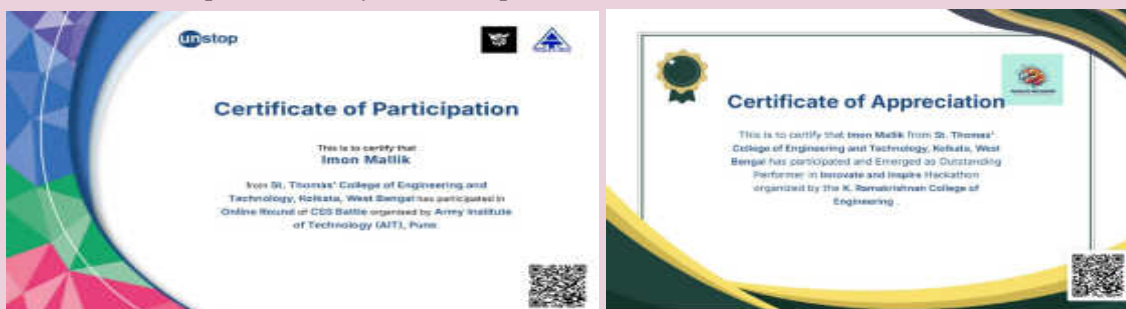
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Departmental Milestones Student's Achievements

- **Kaushiki Sarkar and Anwesha**, 2nd and 3rd year students, are the winners of the **Presentation Competition** held by IEEE WIE Student Branch Affinity Group at STCET, Kolkata on **June 24th, 2025**.



- **Imon Mallik**, a second year student, secured the **winner position** at **Innovate & Inspire : Season 11** by K. Ramakrishnan College of Engineering, a coding competitive coding competition organised by K. Ramakrishnan College of Engineering from 17th April, 2025 to 18th April, 2025. He also participated in **CSS Battle** organised by Army Institute of Technology (AIT), Pune on 3rd April, 2025, and **SnapSyntax** at **Srijan 25** held at Jadavpur University on 16th April, 2025.



- **Koushiki Kundu, Rishabh Chakraborty, Soumi Sahu, Tritiya Bhattacharya, Meghna Mukhopadhyay** and **Imon Mallick**, students of second year, participated in **CYPHER 3331** at **Srijan 25** held at Jadavpur University on 19th April, 2025.





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- **Rishabh Chakraborty** and **Imon Mallick**, students of second year, participated in **ByteVerse 7.0 Hackathon** by National Institute of Technology, Patna in Online Mode from 12th April, 2025 to 13th April, 2025. He also has participated in **Impactus: A Case Study Competition** organised by Birla Institute of Technology & Science (BITS) Pilani, Hyderabad Campus.



- **Tritiya Bhattacharya** and **Meghna Mukhopadhyay**, 2nd year students, participated in **SnapSyntax at Srijan 25** held at Jadavpur University on 16th April, 2025.

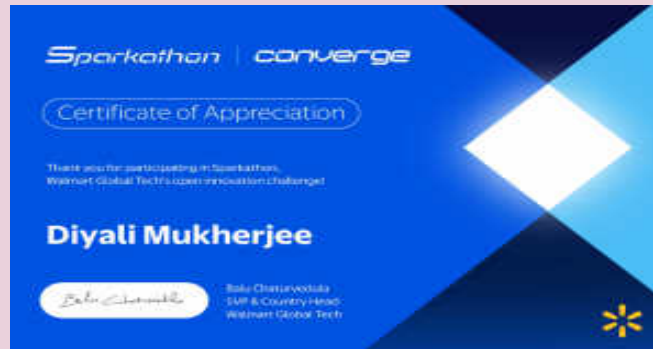




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- **Diyali Mukherjee**, 3rd year, has participated in Sparkathon organized by Walmart Global Tech's open Innovative Challenge in June 2025.



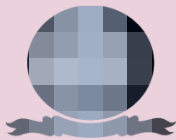
Publication Details

- **Chakraborty, A.[†]** & Mukherjee, N. (2025). Topic and opinion infused hypergraphs for influence maximization. *Physics Letters A*, 545, 130507.
- **Roy, M.[†]**, Kumar, B., Chowdhury, S., Bhattacharya, T. K., Maity, S., & Haldar, P. (2025). Microstructural Analysis of Ceramic Materials Through Machine Learning Techniques: A Benchmarking Interdisciplinary Review for Ceramic Material Characterization. *Journal of The Institution of Engineers (India): Series D*, 1-19.

Patent Details

- **Niladri Khamaru**, Romit Koley, Jisnu Bhadra, Rohan Dutta, Dr. Prasun Chowdhury registered a patent by the German Patent and Trademark Office as German Utility Model on May 7th, 2025. Patent Title: A Machine Learning System for Estimating Thyroid Profile from Correlated Clinical data.





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Events Organized

- **IEEE WIE Student Branch Affinity Group** at STCET, Kolkata had organized a **Presentation Competition** on **June 24th, 2025**. The Event Theme is "**Pioneering Safe Cyberspace: Women Bridging Technology and Light for Security**". Participants were encouraged to present on topics aligned with the above theme. However, the competition was open to a broad range of subjects related to cyber security. Suggested areas include (but are not limited to):
 - a. Recent cyber attacks and their implications,
 - b. The impact of cybercrime on women,
 - c. The growing importance of cyber security awareness,
 - d. Cyber forensics and investigation,
 - e. The role of cyber laws in combating threats

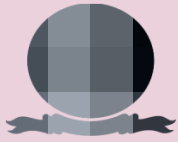


Update in Professional Memberships

- 7 (seven) new student members of second year have joined the prestigious **Institution of Engineers (India) [IEI]** chapter during this time. Students are **Ayushman Ghosh, Rupam Das, Sumit Datta, Swarnava Lahiri, Kaushiki Sarkar, Sombit Karmakar, and Gori Biswas**.
- 4 (four) number of students into the prestigious **IEEE WIE Student Membership Program** this term. Students are **Sonal Agarwal, Soha Hasib, Monojit Pal, and Rachana Francis**.

Faculty Development Program (FDP) Detail and Achievement

- **Dr. Tapalina Banerjee Bhattacharjee** and **Mahuya Roy** successfully completed the Faculty Development Program (FDP) on **Exploring AI Landscape in Multidisciplinary Contexts**, organized by St. Thomas' College of Engineering & Technology, Kolkata during June 23-27, 2025
- **Sayani Bose, Jaya Das, Silpi Ghosh, Ritesh Prasad** and **Ranit Baram** successfully completed a 5 days Faculty Development Program (FDP) on **Application of AI, ML, and DL in Advanced Technologies**, organized by HRDC, IEM-UEM Group during April 21-25, 2025.



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- **Silpi Ghosh, Chandreyee Chakroborty** and **Mahuya Roy** successfully completed a 1-week Faculty Development Program (FDP) on **Recent Advancement in Intelligent and Secure Computing**, organized by Dr. Sudhir Chandra Sur Institute of Technology during May 19-25, 2025.
- **Mahuya Roy** and **Chandreyee Chakroborty** successfully completed a 5-days Faculty Development Program (FDP) on **Research Methodology and Effective Teaching Learning Process**, organized by Department of Basic Science & Humanities and R&D Cell of Greater Kolkata College of Engineering & Management during June 23-27, 2025.

† Publications/Patent 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