St. Thomas' College of Engineering and Technology
4, Diamond Harbour Road, Kidderpore, Kolkata - 700023

Bits and Bytes

Editors:
1. Mr. Subhankar Mallick
Assistant Professor
2. Ms. Sanghamitra De,
Assistant Professor,
3. Mr. Shaon Bandyopadhyay
Assistant Professor
4. Mr. Arkoprobho Chatterjee
B.Tech, 4th year
5. Mr. Aradhita Dasgupta
B.Tech, 3rd year

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.

Departmental Milestones

Student's Achievements:

- **Abdul Shariq Kalim,** 2nd year secured a global rank in TCS CodeVita Season 10 and for showcasing exceptional coding skills. He has participated in the Uber HackTag 2.0 organised by Uber Technologies Inc.
- **Aditya Kumar and Ayush Dubey,** 3rd year secured a global rank in TCS CodeVita Season 10 and for showcasing exceptional coding skills.
- **Madhurima Ghosh,** 4th year secured Best Emerging Researcher(Third Place) in 14th International Conference on Sensing Technology, ICST 2022, Chennai, India, Jan. 16 – 18, 2022 for the paper "Real-time Object Detection and Tracking from Videos".

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Participation in Sports

- **Shruti Pathak** 3rd year, **Anusha Khan** 2nd year have participated in College badminton Tournament 2021-22 and secured winning position in the event.

- **Kaimadam Antony and Anik Roy** 4th year have participated in boys 4×100 meters relay race ,2021-22 and secured 1st position in the event.

- **Eshani Panja** 2nd year has participated in flat 50 meters race ,2021-22 and secured 1st position in the event.

Faculty Participation in Online Course

- **Shaon Bandyopadhyay** has successfully completed 5-days FDP on *Artificial Intelligence and Machine Learning* organized by Dr. B.C.Roy Polytecnic from 15th February to 19th February, 2022.

- All faculty members have successfully completed 5-days(11th July – 15th July, 2022) Online FDP on *Data Security and IOT* organized by STCET.

Publication Details

- R. Chouduri[*] and A. Halder[†], " Histopathological Nuclei Segmentation using Spatial Kernelized Fuzzy Clustering Approach", in *Proc. SoCPros* , 2022. (in press)

- A. Maity, M. Dutt[†], and A. Biswas, "Rectangularization of Digital Objects and Its Straight Skeletons", in *Proc. IWCIA, LNCS, Springer*, 2022 (in press).

[†] **Publications by college faculty**

[*] **Publications by college students under the guidance of college faculty**