# St. Thomas' College of Engineering and Technology

### 4, Diamond Harbour Road, Kidderpore, Kolkata- 700023

## Bits and Bytes

## 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

- **Ananya Das** of 4th year secured overall 96.58 percentile in *CAT 2018*.
- **Samrat Dutta** of 4th year ranked 60 in *GATE 2019*.
- **Sneha Ghose, Abhilash Mishra, Aritra Nandy, Kasturi Saha, Rahul Kr. Singh, Akshay Anand, Sanjeev Kr. Mishra, Debapriya Paul, Shreya Sil, Swagata Mukherjee, Soumya Chakravorty, Supratim Nag** and **Arnab Chatterjee** of 4th year appeared for *GATE 2019* and ranked.

**Performance in Co-curricular activities**

- **Soumi Chatterjee and Debarshi Chaudhuri**, 2nd year secured GOLD MEDAL in *Joy of Computing with Python* course conducted by NPTEL.
- **Md. Afridi Kayal**, 2nd year secured ELITE GOLD in *Joy of Computing with Python* course conducted by NPTEL.

**Industrial Training:**

- **Soumya Banerjee** and **Riddhiman De** of 2nd year completed Industrial training and Project on Python under MyWBUT on 20th February 2019.
- **Deepanjan Bose** of 2nd year completed Industrial training on Android development under MyWBUT and completed project in Android development on 10th January 2019.
- **Suman Guchait** of 2nd year completed Industrial training on Data Science with Python under NIIT on 11th January 2019.
- **Spandan Banerjee** of 2nd year completed MyWBUT Industrial Training in Core Java on 5th January 2019.
- **Md.Affifur Rahman, Krishnendu Das** and **Swarnava Chakraborty** of 2nd year completed Industrial Training on Ethical hacking and Cyber Security under MyWBUT on 17th March 2019.
- **Paulomi Dey** of 2nd year completed Winter Training Project on SQL and PHP from Ogma Techlab, Kolkata completed on 5th February 2019.
- **Sreejit De** of 2nd year completed Industrial training on Data science with Python under NIIT on 11th January 2019.

**Events organized at College:**

- Students attended Seminar on **Road Safety** by Kolkata Traffic Police in 13th March 2019.
- Students attended the inaugural event of the Professional Society Membership and the Seminar organized by the **Student Chapter of IEI** on 15th February 2019.

**Events attended outside College:**

- **Malika Dutta**, 1st year stood 1st runner up in Eastern Dance competition at Ibtida'19, on 8th February, 2019 Jadavpur University.
- **Saswata Das** of 2nd year participated at **Xavotsav** 2019 and finished 1st at Fusion Band Event on 24th January 2019.
- **Abhishek Mukherjee** of 2nd year stood 1st at Script Writing Competition in Heritage Utsav held on 4th April, 2019 at Heritage Institute of Technology, Kolkata.

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**Sports and Tournaments at College:**

- CSE Boys' Cricket Team comprising of **Akshat Pandey, Aman Mishra, Gulshan Kumar, Md. Atif Jahangir Khan, Anupam Mondal** of 4th year, **Rishabh Prasad, Vilayat Ali Mirza** of 3rd year, **Md. Junaid Omar, Rohan Bhowmik, Salik Faraz, Akash Sharma, Sanjay** Dutta of 2nd year and, **Ankit Kumar Tommer, Shubhashish Moitra, Anthony Shejin, Rohan Jha** of 1st year won Inter-departmental cricket tournament held on 22nd February 2019.
- Software Girls' Football Team comprising of **Madhurima Ghosh** (1st yr.), **Swarnali Saha**(1st yr.), **Upasana Mandal** (2nd yr.), **Sangita Porey** (3rd yr.), **Delfia Ghosh** (3rd yr.) participated in Inter-departmental football tournament on 13th February, 2019.
- CSE Badminton Team comprising of **Swarnali Saha**, **Rahul Kumar**, **Biswajeet Chakrabarty** of 1st year, **Upasana Mandal**, **Isha Bhattacharya**, **Sulagna Bhattacharyya** of 2nd year, **Rishab Prasad**, **Sangita Porey** of 3rd year, and **Shreya Sil** (Captain), **Ashish Sinha, Ayan Saha, Md. Atif Jahangir Khan**, **Sk. Asaad, Pritam Banerjee**, **Akshat Pandey** of 4th year participated in Inter-departmental badminton tournament on 20th March 2019.
- **Roshan Jha** of CSE 1st year stood 3rd in Shot Put held of 2nd February 2019.
- **Shubhashish Moitra** of CSE 1st year stood 1st in 100m, 200m, 100m relay and 2nd in 400m in STCET Sports event held of 2nd February 2019.
- **Swarnali Saha** of CSE 1st year stood 1st in 50m relay in STCET Sports held of 2nd February 2019.
- **Swati Roy** of 2nd year stood 1st in 50m girls' relay race in STCET Annual Sports held of 2nd February 2019.
- **Rohan Kundu** of 2nd year finished 3rd at 100m race and finished 1st at 4×100m relay race at College Annual Sports held of 2nd February 2019.
- **Sourik Kabiraj** of 2nd year finished 1st in 100×4m relay race at College Annual Sports held of 2nd February 2019.
- **Tamasa Koner** of 4th Year finished 1st in 50×4m relay race at the College Annual Sports held of 2nd February 2019.
- **Md. Atif Jahangir Khan** finished 1st in Shot put, 400m run, 100×4m relay race and finished 2nd in 200m run held of 2nd February 2019.
- **Abhishek Ranjan, Utsav Roy**, **Kaustav Saha, Tanisha Kamal, Arnab Bhar** of 4th year, **Chirag Chaudhuri**, **Saptarshi Chakraborty**, **Isha Bhattacharya**, **Progna Chowdhury** of 2nd year, **Madhurima Ghosh**, **Shivam Upadhyay** of 1st year finished 2nd in Inter-departmental table tennis tournament held on 22nd April 2019.
- **Tamasa Koner** (4th year), **Sangita Porey** (3rd year), **Ritwika Sasmal**, **Adrija Nandy** (2nd year), **Oheli Banerjee** (2nd year) **and Ishani Deb** (1st year) won the Inter-departmental Girls' Cricket tournament held on 22nd April 2019.

## Faculty Achievements

- Dr. Mousumi Dutt was awarded with Certificate of Appreciation for 'Top Performing Mentor, Jul-Oct, 2018' for her role as mentor for the NPTEL course *Programming, Data Structures and Algorithms using Python*.
- Dr. Amit Paul was awarded with Certificate of Appreciation for 'Top Performing Mentor, Jul-Oct, 2018' for his role as mentor for the NPTEL course *Introduction to R Software*.
- Dr. Amit Paul received certificate for his distinguished participation and valuable contribution as Member of International Reviewer Committee of CIPR 2019 organized by IIEST, Sibpur.

## Publication Details

1. Paul, A.[†], & Sil, J. (2019). *Optimized time-lag differential method for constructing gene regulatory network*. Information Sciences, 478, 222-238.https://doi.org/10.1016/j.ins.2018.11.019
2. Halder, A.[†], Halder, S.*, Chakraborty, S.*, & Sarkar, A. (2019). *A Statistical Salt-and-Pepper Noise Removal Algorithm*. International Journal of Image and Graphics, 19(01), 1950006. https://doi.org/10.1142/S0219467819500062
3. Andres, E., Dutt, M.[†], Biswas, A., Largeteau-Skapin, G., & Zrour, R. (2019, March). *Digital Two-Dimensional Bijective Reflection and Associated Rotation*. In International Conference on Discrete Geometry for Computer Imagery (pp. 3-14). Springer, Cham.https://doi.org/10.1007/978-3-030-14085-4_1
4. Halder, A.[†], & Samaddar, D.* (2019, April). *Gaussian Noise Removal Algorithm using Statistical Method*. In 2019 International Conference on Communication and Signal Processing (ICCSP) (pp. 0640-0644). IEEE. https://doi.org/10.1109/ICCSP.2019.8697918

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