



St. Thomas' College of Engineering and Technology

4, Diamond Harbour Road, Kidderpore, Kolkata- 700023

BITS AND BYTES

NEWSLETTER

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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.

DEPARTMENT

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.

CSE

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.

Editors:

1. Dr. Amit Paul,
Assistant Professor,
2. Ms. Sanghamitra De,
Assistant Professor,
3. Ms. Ghazaala Yasmin
Assistant Professor
4. Ms. Sulagna Bhattacharyya,
B. Tech, 2nd Year
5. Ms. Isha Bhattacharya,
B. Tech, 2nd Year
6. Ms. Swati Roy,
B. Tech, 2nd Year
7. Mr. Adrito Ghosh,
B. Tech, 2nd Year,
8. Mr. Prasun Acharjee,
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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, **Rishabh 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 4x100m relay race at College Annual Sports held of 2nd February 2019.
- **Sourik Kabiraj** of 2nd year finished 1st in 100x4m relay race at College Annual Sports held of 2nd February 2019.
- **Tamasa Koner** of 4th Year finished 1st in 50x4m relay race at the College Annual Sports held of 2nd February 2019.
- **Md. Atif Jahangir Khan** finished 1st in Shot put, 400m run, 100x4m 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, Proгна 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 IEST, 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

