



St. Thomas' College of Engineering and Technology

4, Diamond Harbour Road, Kidderpore, Kolkata - 700023

Newsletter

Bits and Bytes

Department

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Computer Science & Engineering

Editors:

1. Mr. Aradhita Dasgupta
B.Tech 4th year,
2. Ms. Chayani Basak
B.Tech 4th year,
3. Ms. Ayush Singh
B.Tech 3rd year,
4. Mr. Mriganka Manna
B.Tech 2nd year
5. Ms. Sudipta Maiti
B.Tech 1st year

Faculty in-charges:

1. Mr. Subhankar Mallick
Assistant Professor
2. Uddalak Chatterjee
Assistant Professor

For

Further Information Contact:

mousumi.dutt@stcet.ac.in

For Feedback Contact:

subhankar.mallick@stcet.ac.in

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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Departmental Milestones

Student's Achievements:

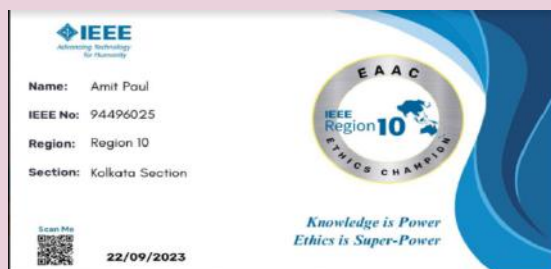
- **Satadipta Dutta**, 2nd year has participated in an essay competition which was organized by Red Ribbon Club on 12th August, 2022.

Participation in Online Course:

- **Subhojit Ghosh**, 2nd year has successfully completed online courses (MOOCs) on *Civic Engagement in American Democracy* and *Studying at Japanese Universities* organised by Udemu.

Faculty Participation in Online Course

- **Dr. Amit Paul, Dr. Biswajita Datta, Samrat Sarkar, Subhankar Mallick, Amiya Halder and Ranjita Chowdhury** has successfully completed 5-days (11th July – 15th July, 2022) online FDP on *Data Security and IoT* organized by the R & D cell of St. Thomas' College of Engineering & Technology.
- **Debashis Chakraborty** has successfully completed a 12-week (July – November, 2022) online course on *The Psychology of Language* organized by NPTEL.
- **Sanghamitra De** has successfully completed 5-days (11th July – 15th July, 2022) online FDP on *Data Security and IoT* organized by the R & D cell of St. Thomas' College of Engineering & Technology and also completed a module on *Teach forward: best strategies for hybrid, remote and blended learning* on 13th August 2022 by Microsoft India.
- **Dr. Amit Paul** has scored an impressive 70% or higher in the IEEE R10 Ethics Super Power Challenge Assessment.



Publication Details

- **Amiya Halder[†], Pritam Bhattacharya, Apurba Sarkar and Rudrajit Choudhuri**, "A Novel Statistical Golden Ratio based Adaptive High Density Impulse Noise Removal Algorithm". *Multimedia Tools and Applications Journal, Springer*, pp. 1-34, 2022.
- **Rudrajit Choudhuri and Amiya Halder[†]**, "Brain MRI Tumour Classification using Quantum Classical Convolutional Neural Net Architecture". *Neural Computing and Applications Journal, Springer*, pp. 1-22, 2022.
- **Sanghamitra De[†], Mridul Sankar Barik, and Indrajit Banerjee**, "Impact estimation of security attack and mitigation strategy using goal-based threat modeling in a peer-to-peer cloud system," *Journal of The Institution of Engineers (India): Series B*, vol. 103, no. 5, pp. 1845–1862, 2022, doi: 10.1007/s40031-022-00701-2.

[†] Publications by college faculty

* Publications by college students under the guidance of college faculty