



NEWSLETTER

# TECH TIMES

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DEPARTMENT

## VISION

To promote the advancement of learning in Information Technology through research oriented dissemination of knowledge which will lead to innovative applications of information in industry and society.

IT

## MISSION

To incubate students grow into industry ready professionals, proficient research scholars and enterprising entrepreneurs.

To create a learner- centric environment that motivates the students in adopting emerging technologies of the rapidly changing information society.

To promote social, environmental and technological responsiveness among the members of the faculty and students.

### Editors:

1. Ms. Sanchita  
Saha Ray,  
Assistant  
Professor, IT

2. Ms. Subhasree  
Basu,  
Assistant  
Professor, IT

3. Ms. Madhurima  
Bhowmick,  
B. Tech,  
4<sup>th</sup> Year,  
IT

For  
Further  
Information  
Contact:

[sanchita.saharay@  
stcet.ac.in](mailto:sanchita.saharay@stcet.ac.in)

For Feedback

Contact:  
[basusubhashree19  
84@gmail.com](mailto:basusubhashree1984@gmail.com)

## RECENT TECHNOLOGY TREND: CYBERSECURITY

Cybersecurity is the conglomeration of technologies, processes and practices intended to protect networks, computers, programs and data from unauthorized access. The majority of cyber attacks are automated and arbitrary, exploiting known vulnerabilities rather than targeting specific organizations. The vulnerable entities those are at risk are mainly the endpoint devices like computers, smart devices, networks and the cloud. One of the most alarming issues of cybersecurity is the rapid and constant evolving nature of security risks and therefore, traditional approaches seem insufficient in the current environment.

**Prof. Amit Kumar Siromoni**  
**Head of the Department,**  
**Department of Information Technology,**  
**St. Thomas' College of Engineering and Technology**

## DEPARTMENTAL MILESTONES

### Students' Performance in TOEFL:

- **Ankit Aich**, 4<sup>th</sup> year, secured 97<sup>th</sup> Percentile in TOEFL with a score of 112 on 120.

### Offers received by the Students:



# St. Thomas' College of Engineering and Technology

4, Diamond Harbour Road, Kidderpore, Kolkata- 700023

**Ankit Aich**, 4th year, secured two fully funded admits to pursue a PhD, from the **Rochester Institute of Technology, New York**, and the **University of Illinois at Chicago**, with a research assistantship position at both places.

## Students' Performance in Sports (Outside STCET)

**Arkoprovo Sircar** of 3<sup>rd</sup> year, received two Bronze medals in Karate (kata) and Karate (Kumite), organized by Patipukur Swamiji Sangha (Inter-club).

## Training programme attended by the student members

**Akash Pal** of 3<sup>rd</sup> Year, attended a workshop on "Ethical Hacking Workshop" at IIT, Kharapur, 04<sup>th</sup> Nov-05<sup>th</sup> Nov, 2017.

## Training programme attended by the faculty members

- **Mr. Amit Dutta**, attended a six days programme on "Human Genomics: Computational Methods and Applications" organized by Jadavpur university under MHRD, GIAN program, 11th Dec-16th Dec, 2017.
- **Dr. Ranjit Ghoshal**, attended 7<sup>th</sup> International Conference on Pattern Recognition and Machine Intelligence PReMI 2017, December 05 - 08, 2017, Kolkata, India.
- **Dr. Arijit Ghoshal**, attended 1<sup>st</sup> International Symposium on Signal and Image Processing (ISSIP-2017), 01st -02<sup>nd</sup> November 2017, Kolkata, India

## Campus Placement:

Till 31<sup>st</sup> December, 2017, 17 students of the IT department have been offered jobs in various company namely Infosys, Cognizant, Nomura Research Institute and others.

## PUBLICATION DETAILS

1. S. Ghosh, S. Kesharwani\*, V. Mishra\* and **S. S. Ray**<sup>+</sup>, "Hybrid Trie Based Approach for Longest Prefix Matching in IP Packet Processing" in Proc. of the 2017 IEEE Region 10 Conference (TENCON), Malaysia, November 5-8, 2017.
2. D. Banerjee, **A. Ghosal**<sup>+</sup>, I. Mukherjee. "Prediction of Gold Price Movement Using Discretization Procedure", International Conference on Computational Intelligence in Data Mining (ICCIDM), Springer, Burla, Odisha, India, November, 2017.
3. S. Sengupta\*, G. Yasmin<sup>!</sup>, **A. Ghosal**<sup>+</sup>, "Speaker Recognition Using Occurrence Pattern of Speech Signal", International Symposium on Signal and Image Processing (ISSIP), Springer, Kolkata, West Bengal, India, November, 2017.
4. A. Aich, **A. Dutta**<sup>+</sup>, A. Chakraborty<sup>!</sup>, 'A Crawler Parser Based Approach to Newspaper Scraping and Reverse Searching of Desired Articles', Springer - 6th International Conference on Frontiers of Intelligent Computing: Theory and Applications, (FICTA-2017), Springer, Bhubaneswar, India, 14th-15th October, 2017.
5. **R. Ghoshal**<sup>+</sup>, A. Saha, S. Das, "A Variance Based Image Binarization Scheme and Its Application in Text Segmentation", 7<sup>th</sup> International Conference on Pattern Recognition and Machine Intelligence (PReMI 2017), ISI, Kolkata, India, pp. 132-138, December, 2017.

+ : IT Faculty, ! : Other departments' faculty, \* : Student