St. Thomas' College of Engineering and Technology

4, Diamond Harbour Road, Kidderpore, Kolkata- 700023

Tech Times

Newsletter

Department

IT

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.

Editors:
1. Smt. Sanchita Saha Ray, Assistant Professor, IT

2. Dr. Arindam Chakravorty, Assistant Professor, IT

3. Mr. Ananway Ghatak, B. Tech, 3rd Year, IT, student

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.

Recent Technology Trend

For Information and Feedback Contact:
sanchita.saharay@stcet.ac.in

The year 2020 came with a lot of promise to take the world to the threshold of the third decade of 21st century. We could not imagine in our wildest nightmare what will unfold within a couple of months. The dreaded COVID-19 pandemic has affected the whole world at each sector of human civilisation. With its high rate of transmission, absence of any vaccine or therapy, the disease has casted a spell of fear and uncertainty in every sphere of life, to every strata of the society. The difficult situation has compelled us to explore new ways of survival. Information Technology is playing a pivotal role in finding solutions to the different needs across a wide spectrum of operations.

Healthcare sector is one of the areas where the contribution of Information Technology has been immense. Modernisation of hospital and nursing operations, enhancing the capabilities of facilities, enabling networking between healthcare workers and establishments are a few quarters where IT has made a big difference. Another sector that has been hugely benefited by IT is the education sector. There was an immediate need to transfer the teaching-learning process from the chalk and talk mode to the digital distance learning mode. Availability of free and low cost video conferencing platforms, learning management systems, file sharing tools, etc. has helped both the teacher and the learner.

Isolated at home and with all other forms of entertainment taking a back seat, life has been too monotonous to all of us. IT has extended a helping hand with more and more channels coming up that provide free or low cost video on demand, movie on demand, music, etc. While we pray that the pandemic be over soon, there is no denying that it has been a great teacher to us and has made us stronger and has increased our resilience to a large extent.

Dr. Arindam Chakravorty
Assistant Professor, IT

Departmental Milestones

FDP attended by Faculty:

- Smt. Sanchita Saha Ray and Smt. Aditi Bal have attended a Faculty Development Programme on *Discrete Mathematics & Its Applications*, conducted during **13th January - 17th January, 2020** organized by NITTTR, Kolkata.

Conference Publication Details

1. S. Raja, S. Dutta, D. Banerjee, **A. Ghosal**[+], "Classification of Indian Languages through Audio" In Computational Intelligence in International Conference on Frontiers in Computing and Systems, Jalpaiguri, West Bengal, India, 2020.

2. S. Das, S. Dutta, **A. Ghosal**[+], "Stratification of Indian Dance Forms Through Audio Signal" In Computational Intelligence in Pattern Recognition, pp. 83-92, Kolkata, 2020.

3. **A. Chakravorty**[+], S. Saha, D. Laha & A. Das, "An Efficient Algorithm to Minimize Makespan on Parallel Batch Processing Machines", 4th IEEE International Conference on Computational Intelligence and Networks (CINE 2020), Indian Statistical Institute, Kolkata, (pp. 1-6), 2020.

4. **Sk Latib**[+], D. Saha[*], C. Giri, "Retinal vessel segmentation using unsharp masking and Otsu thresholding", Comsys-2020, 13-15 January 2020 at Government Engineering College, Jalpaiguri-735102, West Bengal, India.

5. **R. Ghoshal**[+], and A. Banerjee[*] "Region Growing Based Scheme for Extraction of Text from Scene Images**,** International Conference on Frontiers in Computing and Systems (COMSYS'20), Jalpaiguri, West Bengal, India, 2020.

+: IT Faculty, *: Student