



St. Thomas' College of Engineering and Technology

4, Diamond Harbour Road, Kidderpore, Kolkata- 700023

NEWSLETTER

DEPARTMENT
IT

TECH TIMES

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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.

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.

Departmental Milestones

I. Best Performance in Odd Semester University Examination

- **Avik Bose, Sayani Sarkar, Shreyasee Ghosh, Suman Kalyan Das and Vikash Kumar Ram, 4th Year, 1st Sem, SGPA: 10**
- **Kausani Das, Pragya Joshi, Raj Laxmi, Rayoti Bose, Rishav Pandey, Satwik Kant Poddar, Spandan Das Barman and Srijani Ghosh, 3rd Year, 1st Sem, SGPA: 10**
- **Aniket Dutta, Binish Shamim, Payel Saha, Sanjit Kumar Jha, Sarbani Pal, Sayan Kumar Sana and Swati Mondal, 2nd Year, 1st Sem, SGPA: 9.77**
- **Biswadip Roy and Supriya Anchala, 1st Year, 1st Sem, SGPA: 9.94**

II. MOOCS Courses Overview

A total of **269 students** have enrolled in various courses being offered by **Coursera, NPTEL, Udem and Others** as MOOCS.

- A total of **155 students** from **1st Year** have enrolled in various courses being offered by **Coursera and Udem**.
- A total of **100 students** from **2nd Year** have enrolled in various courses offered by **Coursera, Udem and Others**.
- A total of **2 students** from **3rd Year** have enrolled in various courses being offered by **Coursera and NPTEL**.
- A total of **12 students** from **4th Year** have enrolled in various courses being offered by **Coursera and Udem**.

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III. Students' Performance in Sports

- The department came **1st runner up** in the *Inter Departmental Badminton Tournament* organized by STCET in 2021-2022.
- The department emerged **WINNER** in the *Inter Departmental Cricket Tournament* organized by STCET in 2021-2022.



Cricket Team



Badminton Team

- **Sayani Sarkar** of 4th Year, came **2nd Runner Up** in *Girls' Hit The Wicket* in **Annual Sports 2022** organized by STCET on **26th March, 2022**.
- **Pabitra Pal** of 1st Year, emerged **WINNER** in *Boys' 400 Meter Race* in **Annual Sports 2022** organized by STCET on **26th March, 2022**.
- **Biswadip Roy & Akhilesh Yadav** of 1st Year, and **Arka Das & Sambit Saha** of 2nd Year came **1st Runner Up** in *Boys' 4x100 Meter Relay Race* in **Annual Sports 2022** organized by STCET on **26th March, 2022**.

IV. Students' Achievements

- **Debargha Ghosh**, 4th Year has secured a rank of 521 in **GATE** Examination.
- **Sougata Dutta**, 4th Year has secured a rank of 584 in **GATE** Examination.
- **Awritrojit Banerjee**, 4th Year has secured a score of 26 out of 40 in **COGJET** Examination.

V. Online courses, FDPs, Seminar, Workshop attended by Faculty Members:

- **Dr. Arijit Ghosal** has attended an online FDP on *"Intellectual Property Management at Early Stage of Innovation and Start-ups"*, organized by NIT Agartala, from **February 21 – 26, 2022**.
- **Smt. Aditi Bal** has attended an online FDP on *"IoT and its application in Instrumentation"*, organized by E&ICT Academy IIT Guwahati, from **March 21 – 26, 2022**.
- **Smt. Sanchita Saha Ray** has attended an online FDP on *"Emerging Trends and Challenges in Higher Education and Research"*, organized by Prince Shri Venkateshwara Arts & Science College from **April 18- 22, 2022**.



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- **Dr. Nilanjana Karmakar** has attended a seminar on *“Capacity Building of Stakeholders on E-Waste (Management and Handling) Rules 2016 and Restriction of Hazardous Substances (RoHS)”*, organized by West Bengal Pollution Control Board (WBPCB) in association with National Institute of Electronics & Information Technology (NIELIT)- Kolkata on **April 20, 2022**.
- **Sk Latib** has attended an online FDP on *“Applications of Machine Learning”*, organized by Dr. B.C Roy Engineering College, Durgapur from **February 22 - 26, 2022**.

Publication Details

I. Book Chapter

Debnath, O., Saha, H. N., & **Ghosal, A***. (2022). *“External Threat Detection in Smart Sensor Networks Using Machine Learning Approach”*. In *Smart Sensor Networks* (pp. 151-178). Springer, Cham.

II. Conference Publications

1. Sumit Mukherjee, **Ranjit Ghoshal*** and Bibhas Chandra Dhara, *“Features Selection for Vessel Extraction inspired by Survival of the Fittest method”*, 4th International Conference on Computational Intelligence and Pattern Recognition (CIPR'22), 23-24 April, 2022.
2. Awritrojit Banerjee⁺, **Ranjit Ghoshal*** and Arijit Ghosal, *“TextUnet: Text Segmentation Using U-net”*, 4th International Conference on Computational Intelligence and Pattern Recognition (CIPR'22), 23-24 April, 2022.
3. Sumit Mukherjee, **Ranjit Ghoshal*** and Bibhas Chandra Dhara, *“Feather-Light Vessel Segregation Model”*, 7th International Conference on Emerging Applications of Information Technology (EAIT'22), 30-31 March, 2022.
4. P. Pal, B. C. Sahana, J. Poray and **A. Bal***, *“Error-Control Coding Algorithms and Architecture for Modern Applications Powered by LDPC Codes and Belief Propagation,”* 2022 9th International Conference on Computing for Sustainable Global Development (INDIACom), 2022, pp. 238-243, doi: 10.23919/INDIACom54597.2022.9763119.
5. Banerjee, D., **Ghosal, A.*** and Mukherjee, I. (2022). *“Investigating the Impact of COVID-19 on Important Economic Indicators”*, In *Computational Intelligence in Data Mining* (pp. 433-443). Springer, Singapore, 10.1007/978-981-16-9447-9_34.

* Faculty, ⁺ Student