# St. Thomas' College of Engineering and Technology

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# TECH TIMES

## 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, Udemy and Others** as **MOOCS.**

- A total of **155 students** from **1st Year** have enrolled in various courses being offered by **Coursera** and **Udemy.**

- A total of **100 students** from **2nd Year** have enrolled in various courses offered by **Coursera, Udemy** 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 **Udemy**.

## III. Students' Performance in Sports

- The department came **1<sup>st</sup> 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 4<sup>th</sup> Year, came **2<sup>nd</sup> Runner Up** in *Girls' Hit The Wicket* in **Annual Sports 2022** organized by STCET on **26<sup>th</sup> March, 2022**.

- **Pabitra Pal** of 1<sup>st</sup> Year, emerged **WINNER** in *Boys' 400 Meter Race* in **Annual Sports 2022** organized by STCET on **26<sup>th</sup> March, 2022**.

- **Biswadip Roy** & **Akhilesh Yadav** of 1st Year, and **Arka Das** & **Sambit Saha** of 2nd Year came **1<sup>st</sup> Runner Up** in *Boys' 4x100 Meter Relay Race* in **Annual Sports 2022** organized by STCET on **26<sup>th</sup> March, 2022**.

## IV. Students' Achievements

- **Debargha Ghosh**, 4<sup>th</sup> Year has secured a rank of 521 in **GATE** Examination.

- **Sougata Dutta**, 4<sup>th</sup> Year has secured a rank of 584 in **GATE** Examination.

- **Awritrojit Banerjee**, 4<sup>th</sup> 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**.

- **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.

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