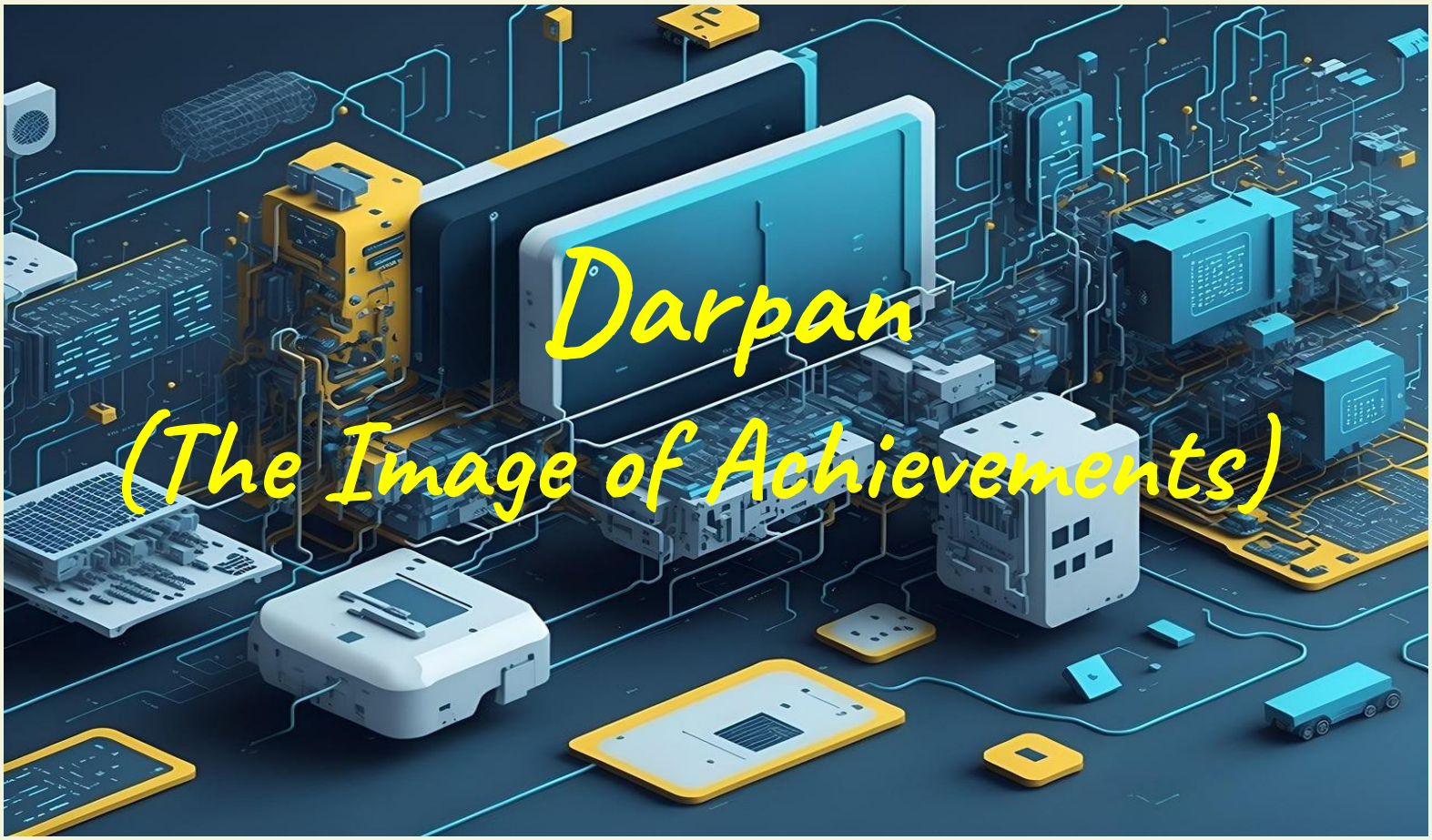
St. Thomas' College of Engineering & Technology

4 D.H. ROAD, Kolkata, West Bengal

NEWSLETTER



Department of
Electronics & Communication Engineering

-: April to June :-

VOLUME ECIX - EDITION IV, JULY 31, 2024

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Have a visit to our website:
www.stcet.ac.in

St. Thomas' College of Engineering and Technology

4, D. H. Road, Kidderpore, Kolkata – 700023

Department of Electronics & Communication Engineering

Darpan

(The Image of Achievements)

Volume: ECIX - Edition IV, 31st JULY, 2024

Editors:
1. Mr. Soham Saha
B.Tech 4th year
2. Ms. Soumi Saha
B.Tech 4th year
3. Mr. Jishnu Bhadra
B.Tech 3rd year,
4. Miss. Sumana Manna
B.Tech 3rd year
5. Mr. Kousik Sarkar
B.Tech 2nd year
6.Ms. Rupsa Chakraborty
B.Tech 2nd year
7. Mr. Adrishikhar Chowdhury
B.Tech 1st year
8. Ms. Adrika Sarkar
B.Tech 1st year

Faculty in-charge :
1. Sudipta Dutta,
Assistant Professor
2. Sumani Mukherjee,
Assistant Professor

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Vision of the Department

To build a strong teaching and research environment to cater to the manpower needs in Industrial and Academic domains of the rapidly growing Electronics and Communication Engineering.

Mission of the Department

- To produce certified industry-ready professional in Electronics and Communication Engineering, though innovative educational programs incorporating laboratory practices and project-based teaching-learning processes, in a modern environment.
- To create knowledge base of advanced technologies through research in the area of Electronics and Communication, for competitive and sustainable development of the country.
- To groom the department as a learning centre to inculcate advancement of technology in Electronics and Communication Engineering with social values and environmental awareness.

Program Educational Objectives (PEO)

- Possess design skills and core proficiency in Electronics & Communication Engineering for employment in relevant industries.
- Possess strong core and advanced knowledge Electronics & Communication Engineering to pursue higher studies.
- Exhibit leadership, ethical values, and social commitment to contribute in academia, industry and/or entrepreneurial ventures, both nationally and globally.

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Department of Electronics & Communication Engineering

Recent Technology Trend

Innovation for a Responsible Future

True innovation is not just about speed and performance, but also about responsibility. Sustainable engineers look for smart ways to reduce pollution, save energy, and minimize waste. They develop cleaner production methods and promote circular economy practices. By combining creativity with environmental awareness, they turn challenges into opportunities. This responsible approach ensures that technological progress supports economic growth while preserving natural resources and improving the quality of life for society.

Dr. Prasun Chowdhury
HOD, Department of Electronics and Communication Engineering

Departmental Milestones

Students' Achievements

Student placed in IT Company:

- Number of offer received by the students of Batch 2023-24: 35.

Core Company Recruitment:

- **Miss. Subhanita Saha,** Batch 2023-2024 has been selected as **Research Scientist at SAMEER, Govt. of India.**

Faculty Achievements

Publication Details:

- **Published Journal & Conference papers**

1. Madhumita Sarkar, **Shila Ghosh**, "**Implementation of designed OCDMA Code in RoF for future 5G Communication**' Journal of Optics, J Opt. https:// doi.org/10.1007/s12596-024-01813-1, April, 2024
2. **Ankush Chattopadhyay**, "**RF, harmonic distortion and linearity analysis of core-shell junctionless-FET using NQS small signal model**", Physica Scripta, I. F.: 2.9, June 2024, doi: https://doi.org/10.1088/1402-4896/ad5c0a.
3. **Juin Acharjee**, Marma Kundu Chowdhury, Kaushik Mandal, "**A Compact Double-Sided Four-Port Printed Antenna with Pattern and Polarization Diversity for Super-Wideband Applications**," International Journal of Communication Systems, vol. 37, May 2024. [DOI: DOI:10.1002/dac.5852].

- **BOOK CHAPTERS**

1. **Prashnatit Pal**, Kalyan Adhikary, Rituparna Bhattacharya, Jayanta Poray (2024). **Efficient Attribute-based Unbounded Inner Product Functional Encryption for Many-authority** In: Chaudhuri, D., Pretorius, J.H., Das, D., & Bal, S. (Eds.), April (2024). Security, Surveillance and Artificial Intelligence: Proceedings of the International Conference on Security, Surveillance and Artificial Intelligence (1st ed.). CRC Press. https://doi.org/10.1201/9781003428459
2. **Prashnatita Pal**, Bikash Chandra Sahana, Jayanta Poray, Rituparna Bhattacharya, April (2024). **Blockchain-Based Cryptocurrency Payment System Model for Business-To-Consumer E-Commerce Platforms**. In: Cryptology and Network Security with Machine Learning. Lecture Notes in Networks and Systems,331 Volumes | 2024 Springer Nature Singapore.

PARTICIPATION IN FACULTY DEVELOPMENT PROGRAMME (FDP):

Dr. Prasun Chowdhury	Successfully completed Five days FDP on "**Quantum Computing- A Paradigm of Science & Technology** (CU38C)" (13 to 17 May, 2024); St. Thomas' College of Engineering & Technology, Kolkata.
Dr. Dipankar Kundu	Successfully organized Five days FDP on "**Quantum Computing- A Paradigm of Science & Technology** (CU38C)" (13 to 17 May, 2024); St. Thomas' College of Engineering & Technology, Kolkata.
Dr. Juin Acharjee	Successfully organized Five days FDP on "**Quantum Computing- A Paradigm of Science & Technology** (CU38C)" (13 to 17 May, 2024); St. Thomas' College of Engineering & Technology, Kolkata.
Dr.Ankush Chattopadhyay	Successfully organized Five days FDP on "**Quantum Computing- A Paradigm of Science & Technology** (CU38C)" (13 to 17 May, 2024); St. Thomas' College of Engineering & Technology, Kolkata.
Tanusree Dutta	Successfully organized Five days FDP on "**Quantum Computing- A Paradigm of Science & Technology** (CU38C)" (13 to 17 May, 2024); St. Thomas' College of Engineering & Technology, Kolkata.
	Successfully completed 5 day Faculty Development Program on '**Research Methodology,**' organized by IIT KGP, from 20th to 26th May, 2024
Sumani Mukherjee	Successfully organized Five days FDP on "**Quantum Computing- A Paradigm of Science & Technology** (CU38C)" (13 to 17 May, 2024); St. Thomas' College of Engineering & Technology, Kolkata.

“Design is not just what it looks like and feels like. Design is how it works”

Steve Jobs