



St. Thomas' College of Engineering & Technology
Kidderpore, Kolkata, West Bengal

NEWSLETTER



Darpan
(The Image of Achievements)

DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING

-: January to March :-

V O L U M E ECX - EDITION III, APRIL 22, 2025

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www.stcet.ac.in



St. Thomas' College of Engineering and Technology

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

Department of Electronics & Communication Engineering

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Volume: ECX - Edition III, 22nd APRIL, 2025

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B.Tech 3rd year,
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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, through 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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Recent Technology Trend

Healthcare Applications involving AI

Generally, clinical tests are quite expensive at times and often become unaffordable by the common multitude. There are several pathological parameters which are correlated. Different sectors like Immunoassay, Biochemistry, Haematology contains several test parameters which are dependent or inter related. For an example, Fasting Sugar, Post Prandial Sugar and Glycosylated Haemoglobin are dependent on each other. Urea and Creatinine are also dependent on each other, if the tested parameter is in normal range. Therefore, training a machine with previous data, we can expect values of one clinical parameter upon getting other clinical parameters tested or vice versa, thereby reducing the cost of the profile. Thus, it would find its application in localities where testing this profile is beyond the affordability of the lower income group.

Dr. Prasun Chowdhury

HOD, Department of Electronics and Communication Engineering

Departmental Milestones

STUDENTS' ACHIEVEMENTS

Our students have excelled in GATE 2025. Results were announced on **March 19, 2025**.

Name	Gate Paper Name	Rank
ARPAN DUTTA	EC	5257
RAJORITA ROY	EC	7328

GATE 2025 cut-off marks of the above mentioned subject:

Paper Code	Test Paper	No. Candidates Appeared	Cut-off (GEN)	Cut-off (OBC-NCL/EWS)	Cut-off (SC/ST/PwD)
EC	Electronics and Communication Engineering	81475	25.0	22.5	16.6



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HIGHER STUDIES:

- **Shaunak Roy** enrolled for PhD in Mechatronics, Robotics and Automation Engineering from University of Connecticut.
- **Soham Saha** pursuing MS in Nanoelectronic Systems from Technische Universität Dresden.
- **Soumika Sikdar** pursuing masters in Engineering management from University of Leicester.
- **Shringyesh Das** pursuing M.Tech in VLSI & Embedded System from Department of ECE, NIT Raipur
- **Shilpa Naskar** pursuing M.Tech in Micro-Electronics & VLSI Design from IEST Shibpur
- **Sreemoyee Ghosh** pursuing M. Tech. in Communication System & Signal Processing, IEST Shibpur
- **Jishnu Bhadra**, enrolled for PhD (Engg) at Department of Instrumentation & Electronics Engineering in Jadavpur University.

- **Srinjoy Chowdhury, Rupsa Saha Chowdhury, Oishee Chattopadhyay, Kousik Sarkar**, students of third year, with their innovative idea “Next Generation Smart Helmet” secured **1st position** in **Poster Presentation Competition of Innovative Ideas/ Innovation** organized by Co-Curricular Activity Cell, Institution’s Innovation Council, IE(I) Students’ Chapters of the Departments of CSE and Information Technology on 20th February, 2025.



FACULTY ACHIEVEMENTS

PUBLICATION DETAILS:

- **PUBLISHED JOURNAL & CONFERENCE PAPERS**
- **J. Acharjee**, J. Ali, M. Uzair, T. Phakaew, P. Akkaraekthalin, Y. Maiket, R. Yeetsorn, and S. Chalermwisutkul, "**Metasurface-loaded biodegradable mobile phone back cover for enhanced radiation performance**," *Materials*, vol. 18, no. 4, p. 730, February 2025.
- R Bhattacharya, **P Pal**, and J Poray “**Exploring the Blockchain Frontier: Opportunities in Tourism** ” Conference on Advances in Communication Networks & Systems (CoaCoNS 2025) organized by SRM Institute of Science and Technology, Chennai, India on 26th & 27th March 2025.



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“Innovation in Electronics is about making the complex simple, and the invisible visible.”

*Robert Noyce,
Co-Inventor of the Integrated Circuit*

