



St. Thomas' College of Engineering and Technology

4, Diamond Harbour Road, Kidderpore, Kolkata- 700023

NEWSLETTER

DEPARTMENT
ECE

DARPAN

(THE IMAGE OF ACHIEVEMENTS)

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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.

Editors:

1. Sudipta Dutta
Assistant
Professor,
ECE

2. Prashnatita Pal
Assistant
Professor,
ECE

3. Pritam
Mukherjee,
Btech^{4th} Year,
ECE, Student

4. Srijita Sanyal
Btech^{4th} Year,
ECE, Student

5. Diptesh
Sarkar
Btech^{4th} Year,
ECE, Student

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.

RECENT TECHNOLOGY TREND

Arduino & Raspberry Pi have been a revolution ever since it struck the market. These are very lucrative options for the students designing their projects. The cost and wide support community has further added to its popularity in various applications. Both Arduino & Raspberry Pi are open source electronics platform based on easy to use hardware and software. These devices also enable people of all ages to explore computing and to learn how to program in languages like C, Python based on applications.

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

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DEPARTMENTAL MILESTONE

STUDENT ACHIEVEMENTS:

➤ Semester SGPA

YEAR	NAMES	SEMESTER	MARKS
1 st	Aritra Paul, Somojit Das, Pragna Purkait, Paramita Ghosh	1 st	9.54
2 nd	Sankhadeep Mondal	3 rd	9.86
3 rd	Tanusree Seal	5 th	9.46

➤ Girl's Relay : 1st position achieved by

- Chirasree Roy (1st year)
- Oishee Majumder (1st Year)
- Priyanka Dutta (1st Year)
- Akangsha Mukherjee (2nd Year)

➤ 100m Flat Race (Girls):

- 1st position achieved by Akangsha Mukherjee (2nd Year)
- 2nd position achieved by Chirasree Roy (1st year)

➤ 50m Flat Race (Girls):

- 2nd position achieved by Akangsha Mukherjee. (2nd Year)
- 3rd position achieved by Chirasree Roy. (1st year)

➤ Long Jump:

- 1st position achieved by Akangsha Mukherjee. (2nd Year)
- 2nd position achieved by Chirasree Roy. (1st year)

➤ Boy's Relay (4X100m): 2nd position achieved by

- Akash Das (1st Year)
- Sankhadeep Mondal (2nd Year)
- Noirit Banerjee (2nd Year)
- Pritam Deb (4th Year)

➤ Shot put (Boys): 3rd position achieved by Kirti Bhushan Ganguly (2nd Year).

➤ Throw the cricket Ball (Girls): 1st position achieved by Akangsha Mukherjee. (2nd Year).

➤ Sayantika Roy, 2nd year ECE, achieved 1st position in **online Photography contest**.

➤ Ashhar Hussain, 1st Year ECE, received Certificate of Merit for an excellent performance by Cognosetta, Inc, Austin(USA) under 15 DIC Beat Epilepsy Program.

PUBLICATION DETAILS

1. Ankush Chattopadhyay, Atanu Kundu, Chandan K. Sarkar, Chayanika Bose, "Two-dimensional modelling of the under lap graded-channel FinFET", *Journal of Computational Electronics*, vol-19, no. 2, 2020.
2. Ankush Chattopadhyay, Chayanika Bose, Chandan K. Sarkar, "Compact Modelling of Graded N-Channel Independent Gate FET with Underlaps, Spacer and S/D Straggle for Low Power Application" *Silicon*, 2020.