



# St. Thomas' College of Engineering and Technology

4, Diamond Harbour Road, Kidderpore, Kolkata- 700023

NEWSLETTER

## DARPAN

(THE IMAGE OF ACHIEVEMENTS)

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DEPARTMENT

## 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.

ECE

## 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.

### Editors:

1 Sudipta Dutta  
Assistant Professor,

2. Prashnatita Pal  
Assistant Professor,

3. Rounak Roy  
4<sup>th</sup>, Year ECE

4. Pritam Mukherjee,  
3<sup>rd</sup> Year ECE

5. Srijita Sanyal  
3<sup>rd</sup> Year ECE

6. Diptesh Sarkar  
3<sup>rd</sup> Year ECE

## RECENT TECHNOLOGY TREND

Due to the growing popularity of smart phones, the traffic demands such as gaming and mobile video, etc. are increasing at a high rate. Hence, the next-generation wireless networks should offer ubiquitous access to high speed internet anytime and anywhere. The need for ubiquitous access as well as rapidly growing data traffic has resulted in a dramatic expansion of network infrastructures as well as a rapid increase in energy demands. Thus, to prevent this wastage, small cells should be energy-efficient and so to meet up the global energy demand energy harvesting is another challenge of the 5G network.

**Dr. Prasun Chowdhury**

**HOD, Department of Electronics and Communication Engineering**

**For  
Further  
Information**

**Contact:**  
sudipta\_45@yahoo.com

# DEPARTMENTAL MILESTONE

## University Result:

- Swapnil Gupta, 4<sup>th</sup> Year, 8<sup>th</sup> Semester, DGPA: 9.55
- Alapan Ranjan Banerjee 3<sup>rd</sup> Year, 6<sup>th</sup> Semester, SGPA :9.12
- Ankita Pathak 2<sup>nd</sup> Year, 4<sup>th</sup> Semester, SGPA: 9.15
- Indrajit Dutta 1<sup>st</sup> Year, 2<sup>nd</sup> Semester, SGPA: 9.32
- Arya Bhattacharjee 1<sup>st</sup> Year, 2<sup>nd</sup> Semester, SGPA: 9.32

## Pursuing MS :

- Ankita Ghosh started MS at university of Calgary, Alberta in VLSI, August 2019.
- Satyaki Chatterjee started MS at University of FAU Erlangen-Nurnberg, Germany in Signal processing, August 2019.
- Debadreeto Bhattacharaya started Ms at Technical University Dresden in Nanoelectronic System , August 2019.

## Campus Placement:

Till 30th September 41 students of the department have been offered jobs in different companies namely Infosys, Cognizant, ITC Infotech.

## Events Organized:

**Name of event: Industry-Institute Interaction Seminar on ‘Renewable Energy’.**

A seminar on Renewable Energy is organized by our College for 2<sup>nd</sup> Year, 3<sup>rd</sup> year and 4<sup>th</sup> year students in association with *The Institution of Engineers (India)* on **10<sup>th</sup> August, 2019**. The students were also benefited through lectures given by **Mr. Subhendu Roy Head- EPC & Design ( Renewable Energy Business) ATHA GROUP** and **Mr. A. Borai M/s. Geetanjali Solar Enterprise**.



## PUBLICATION DETAILS

- [1] Amartya Das, **Juin Acharjee**, and Kaushik Mandal, “Compact UWB printed slot antenna with three extra bands and WiMAX rejection functionality,” *Radio Engineering*, vol. 28, pp. 544-551 September 2019. [DOI: 10.13164/re.2019.0544] [I.F-1.048, Indexing: SCI Expanded].
- [2] Gouri Shankar Paul, Kaushik Mandal, **Juin Acharjee**, and Partha Pratim Sarkar, “Reduction of Mobile Phone Radiation Exposure Using Multi-stopband Frequency Selective Surface,” *Progress In Electromagnetics Research- M*, vol. 83, pp. 9-18, July 2019. [DOI: 10.2528/PIERM19041401] [Indexing: Clarivate Analytics' Emerging Source Citation Index and Elsevier's SCOPUS and Compendex]
- [3] R. Mahinder, S. Mukherjee, **T. Dutta, R. Ghosh**, “Particle Swarm based Approach for Storage Efficiency Optimization of Supercapacitors”, *International Conference on Computational Intelligence in Pattern Recognition, Advances in Intelligent Systems and Computing (CIPR-2019)*, Springer, Vol 999, August 2019.
- [4] **D. Kundu**, S. Nandy, A. Kumar, A. Kumar, “Development of an Attendance System for Students with SMS Notification to Parents”, *International Advanced Research Journal in Science, Engineering and Technology (IARJSET)*, 6 (6), 49-54, June 2019.