



St. Thomas' College of Engineering and Technology

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DARPAN

(THE IMAGE OF ACHIEVEMENTS)

VOLUME: IV, EDITION: IV, 25TH JULY 2019

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.

Accreditation from the NBA

With great pleasure and pride, we announce that our program B.Tech in ECE have been accredited by National Board of Accreditation under new Tire II format for the period of three years from July 2019 to June 2022. The accreditation is in line with the Washington accord to which NBA is a signatory.

This is a long awaited dream come true, because when we started our B. Tech. course in Electronics & Communication Engineering (ECE) way back in 2000, we had the dream to be recognized by national competent authority. The task was not so easy, because we had to cross too many tough hurdles to achieve NBA Accreditation. Only a few institutes in the country have this accreditation.

Some explicit observations made by the NBA experts about the program are highlighted below.

1. Competent Faculty demonstrating team work
2. Adequate number of qualified staff and equipment
3. Effective teaching Learning process using OBE
4. Appreciable student performance

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

NEWSLETTER

DEPARTMENT

ECE

Editors:

1 Sudipta Dutta
Assistant Professor,

2. Prashnatita Pal
Assistant Professor,

3. Rounak Roy 3rd
Year ECE

4. Pritam Mukherjee,
2nd Year ECE

5. Srijita Sanyal
2nd Year ECE

6. Diptesh Sarkar
2nd Year ECE

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Departmental Milestone

Performance in NPTEL Courses:

- **Debapriya Das Gupta** awarded by “Elite +Gold” Certificate in “Java Programming” (scored 93).
- **Swapnanil Gupta** awarded by “Elite +Silver” Certificate in “Human Behaviour” .He scored 86 and one of the topper of 5% in this Course.
- **Sankhadeep Mondal** awarded by “Elite +Silver” Certificate in “Better Spoken English”. He scored 83 and one of the toppers of 2% in this course.

Above all 26 students of our department awarded by “Elite +Silver” Certificate in different courses.

Events Organized

Name of event: Summer Workshop on “Renewable Energy” which was held during 12th to 14th June , 2019.

This workshop was conducted for 2nd Year Students to gather knowledge on Renewable Energy using Solar Cell and Arduino Uno. The students were also beneficial through lectures given by two eminent professors from **Jadavpur University Dr. Biswendu Chatterjee, Associate Professor, Dept. of EE and Dr. Sovan Dalai, Associate Professor, Dept. of EE**, and also by **Mr. Joy Chakraborty, Divisional Engineer, WBREDA**. In this workshop a quiz competition was conducted in which 1st, 2nd and 3rd positions obtained by **Pritam Mukherjee, Ronit Kar and Debasmita Ghosh** respectively.



Paper Published

- [1] **Prasun Chowdhury**, Rittika Sen, Dhruba Ray, Purushottam Roy and Souradeep Sarkar, “Garbage Monitoring and Disposal System for Smart City using IoT” published in *IEEEExplore, Second International Conference on Green Computing and Internet of Things*, 16th -18th August 2018, Bangalore. **Added to IEEE Xplore:** 04 July 2019 **INSPEC Accession Number:** 18797422 **DOI:** [10.1109/ICGCIoT.2018.8753060](https://doi.org/10.1109/ICGCIoT.2018.8753060).
- [2] **J. Acharjee**, A. K, Singh, K. Mandal, and S. K. Mandal, “Defected Ground Structure toward Cross Polarization Reduction of Microstrip Patch Antenna with Improved Impedance Matching,” *Radio Engineering*, vol. 28, no. 1. pp. 33-38, April 2019. [Indexing: SCI Expanded].
- [3] Saikat Srimani, **Tanusree Dutta, Dr. Rabindranath Ghosh** “Automatic Train Track Monitoring and Collision Avoidance System” *IARJSET*, Vol .6, Issue 5, May 2019.
- [4] Madhurima Chakrabarti, Sandip Karmakar, Sumit Singh, Madhura Sur, **Dr. Dipankar Kundu** “Automatic Unauthorized Parking Detector with SMS Notification ” *IARJSET*, Vol. 6, Issue 5, May 2019.
- [5] **Dr. Dipankar Kundu** “Simple Technique to Estimate Far-field Intensity of Index Guiding Photonic Crystal Fibers ” *IARJSET*, Vol. 6, Issue 5, May 2019 .
- [6] **Dr. Dipankar Kundu**, Shubhra Nandy, Alok Kumar, Ayush Kumar “Development of an Attendance System for Students with SMS Notification to Parents ” *IARJSET* , Vol. 6, Issue 6, June 2019.
- [7] Kaustav Bandyopadhyay, Debosmita Ghosh, Subhojyoti Ghosh, Soumen Bhowmick, **Sumani Mukherjee, Dr. Rabindranath Ghosh** “IoT Based Home Security System using Atmega328P, ESP01 and Thing Speak Server ” *IARJSET*, Vol. 6, Issue 5, May 2019