

NEWSLETTER



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ASANSOL ENGINEERING COLLEGE



Statement of Program Educational Objectives

- **PEO I:** Apply the knowledge acquired in the field of Computer Science and Engineering to provide solutions for various multidisciplinary engineering and societal challenges.
- **PEO II:** Involve in life-long learning for sustainable development in the evolving technological domains.
- **PEO III:** Emerge as successful computer engineers, administrators, academicians and entrepreneurs through team work while maintaining ethical values.

Vision of Department:-

To aspire to become a department which can provide value-based quality education, foster research and innovation, and to groom the students to be globally competent.

Mission of Department:-

1. To create an outcome based teaching learning process in order to increase the creativity and innovativeness of the students to face the challenging world.
2. To motivate students and promote research and development among students, so that they can choose it as an optional career.
3. To provide ethical and value based education by promoting activities addressing the societal needs.



"WHEN YOU WANT TO KNOW HOW THINGS REALLY WORK, STUDY THEM WHEN THEY'RE COMING APART"

William Gibson

About the Department

Established in the year 1998, with an intake of 40. The department of ECE now has grown up to an intake of 120, over the years.

The Electronics & Communication Engineering Department is reputed for its knowledgeable, hardworking and caring faculty members as well as enthusiastic, intelligent and disciplined students. Electronics & Communication Engineering Department is well known for presenting consistently good academic results and excelling in co-curricular as well as extra-curricular activities.

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HOD's Message

Our Institution boasts a robust undergraduate program in Electronics and Communication Engineering, granting B.Tech degrees. Additionally, we provide opportunities for post graduate studies through our M.Tech program. Each year, we admit 120 students into our B.Tech program and 13 students into the M.Tech program

Faculty Editors:

- Dr. Saswata Chakraborty
- Mr. Sumanta Karmakar
- Mr. Subhamay Bhattacharyya

Student Editors:

- Mr. Subha Sundar Chakraborty, 4th Sem
- Ms. Priya Roy, 6th Sem
- Mr. Jeet Sengupta, 6th Sem
- Ms. Anusmita Banerjee, 6th Sem
- Mr. Raj Baidya, 4th sem
- Prithiraj Nandan, 6th Sem
- Bapi Kundu, 4th Sem
- Mousumi Dhar, 6th Sem
- Anurag Banerjee, 4th Sem

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

International Journal/Conference Published

1. A Compact Symmetrically Inverted Slotted T-Shaped Patch Antenna for Tri-band Communications- 2023 3rd International Conference on Intelligent Communication and Computational Techniques (ICCT) Manipal University, Jaipur. Jan 19-20, 2023, scopus, novel simulator designed for grounded negative inductance with lossless characteristics incorporated with single otra
2. Ashmi Chakraborty Das, Santanu Dwari. Analysis of Field Propagation inside A Waveguide Diplexer using Cavity Model Analysis; International Journal of Advances in Microwave Technology, vol.8, No.1, pp. 296-300, February 2023. doi: <http://dx.doi.org/10.32452/IJAMT.2022.2963009>
3. Ashmi Chakraborty Das, Santanu Dwari, Sonika Priyadarshini Biswal. On the Applicability of Cavity Modeling Technique to Analyze Complex Waveguide Networks; Wireless Personal Communication, Vol. 128, pp. 309-320, September 2022. doi.org/10.1007/s11277-022-09956-9 (SCI)

Patent Published/Granted

1. Chittajit Sarkar, Arindam Mandal, Sayantani Dutta “A method and system for extraction/insertion of E1 byte in SDH network for optical voice communication in telecommunication system in underground channel” File No.202331030094 dated 27 April 2023.
2. Mr. Animesh Das, Dr. Arindam Mondal, Dr. Manjula Das Ghatak, Dr. Chittajit Sarkar “ A method and system for production of bio lubricant from nahar seeds and its testing process” File No.:202331038374 dated 5th June.2023

International Journal/Conference Published

1. Comparative Study on Registration Site for Vaccination Due to Covid Pandemic Situation Sumanta Karmakar, Khushi Banerjee, Amit Kumar Rai, Sambit S Mondal, Shamik Das, Rudra Narayan Ghosh Journal of Control System and its Recent Developments, Volume Volume 5 Issue 1, Year 2022
2. Development of New Gaming Zone using Web Development Sumanta Karmakar Advances in Electronics and Communication Engineering, Volume - 4, Year 2022
2. Sambit S Mondal, Sumanta Karmakar, Khushi Banerjee, Amit Kumar Rai, Jayasmita Mukherjee, Megha Raj Yadav, Himanshu Kumar and Priya Kumari, “Management System of Student which consists of Automated Attendance System”, in the edited book "Advances in Computer Science(Volume - 6)" with Ref. No.: ACS-14-06

FDP Attended

1. Cloud Computing and DevOps - an Industry Perspective held on 01-Dec-2022 at Asansol Engineering College (AEC), Asansol
2. Emerging trends in communication and signal processing for next generation applications- Budge Institute Technology kolkata, 12/9/22 to 16/9/22.
3. Recent advancement in Smart grid and Renewable Energy - Dr B.C. Roy Engineering College, 19/12/22 to 23/12/22

Cloud Computing

1. SCI, ISCOPUS (amplitude modulation technique in the field of communication by current conveyor circuit)