



Department of ELECTRONICS & COMMUNICATION ENGINEERING



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ABOUT THE DEPARTMENT

» Vision:

To become a pole of excellence in technical education, research and innovation. Inculcating knowledge of science, engineering, technology and management for the growth of socially responsible individuals.

» Mission:

To inculcate innovation, design and entrepreneurship amongst the students through outcome based learning.
To encourage and facilitate faculty, researchers and students to work synergistically across the boundaries of various disciplines.
To promote research and development, technical consultancy and symbiotic partnership between industry and the Institute.
To inculcate a high regard for ethical principles and human values and to pursue knowledge as a process of lifelong learning.

» Collaboration:

Centre for reserch in Nanoscience and Nanotechnology, Calcutta University

COURSES OFFERED

- ☉ 2 years' M. Tech Program - **ADMISSION Open , 22-23**
- ☉ 4 years' B. Tech Program
- ☉ 3 years' Diploma Program
- ☉ Ph.D Programmme (FULL TIME / PART TIME)

Important Core papers offered :

- ☉ Microwave Engineering
- ☉ Power Electronics
- ☉ Mobile Computing
- ☉ Satellite Communication
- ☉ Embedded system
- ☉ VLSI and Automation

FACULTY PROFILE



Dr. Chandī Pani
Professor & HoD

Dr. Sayantani Sen
Assistant Professor



Ayan Mukherjee
Faculty

Shatadipa Debnath
Technical Assistant



OUR INFRASTRUCTURE

The ECE Department is equipped with state of the art laboratories. That include a basic laboratory, an advanced laboratory and a programming and simulation laboratory. Basic lab includes Studies on Basic Electronics, Communication Engineering, Computing, Digital Systems, Microprocessor, Microwave, MIMO-OFDM, Advanced Networking, Optical Communication, Research, VLSI Design, Nano devices and Engineering etc.

These laboratories are fully equipped with the necessary experimental setups, equipment such as Signal and Function Generators, DSOs, Spectrum Analyzers, Logic Analyzers, Antenna Systems, Multimedia Devices, several boards/kits required for AC to DC & DC to AC conversion along with equipment such as Power Oscilloscopes and True RMS meters.

Programming laboratories have computers with latest configurations, printers and are fully connected. Operating Systems: Windows, Linux and Computing Software: C, C++, C#, Java, .NET, Python, Code Blocks, C-Sharp, Open CV, Lab View, Matlab, Scilab, R-Programming, Network Simulation tools and WSN kits, COMSOL Multi physics, Simulink, Xilinx ISE 6.1, various CADs etc. Collaboration is done with different Research Schools for interdisciplinary works and projects so that research scholars and students can have hands on experience on machines like SEM, TEM, MBE etc.

CAREER PROSPECTS

- » After Diploma students can join B.Tech program or can join companies as diploma engineers.
- » B.Tech students can appear to GATE exam to enroll for M.Tech programs, also they can appear to GRE for studies in abroad, also after successful completion of GATE one can join to different PSUs, also they can appear for Engineering Service exams and also there are scopes for integrated M.Tech/PhDs.
- » M.Tech students can opt for further research programs and they will be eligible for SRF or can apply the same as B.Tech students. Students will be industry ready to go for different core electronics and communication engineering companies.
- » Students can also choose to deliver their best to various software organizations.
- » Our interns partners - **IBM, INTEL, TATA TECHNOLOGIES** & many more