



PRELUDE



Department of
Electronics and Communication Engineering
JIS College of Engineering, Kalyani, WB

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FORM THE DESK OF THE EDITORIAL BOARD!

It gives us immense joy and satisfaction to publish our very own Electronics and Communication Engineering (ECE) Departmental new-sletter "PRELUDE" at the JIS College of Engineering, Kalyani, Nadia, west Bengal for its 3rd issue, volume no. 22 of 2022.

This issue places the interest of the achievements, activities, events and more in which all members have enthusiastically contributed. All the members played an energetic role in issuing this newsletter. Thank all who helped directly or indirectly to make this issue a grand success. We thank the Management of the JIS College of Engineering, particularly Prof. (Dr.) P. Sarkar, Principal, for their ongoing support and inspiration.

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DEPARTMENTAL VISION AND MISSION

VISION

To excel in Electronics & Communication Engineering in order to meet the challenges of modern Industrial society through quality technical education, research, innovation and team work.

MISSION

To educate students from the foundations to the state of art knowledge in the development to electronic devices and communication systems with design optimizations and to carry out research through constant interaction with research organizations and industry. To nourish the mind of growing engineers through qualitative evaluations, internal assessments, corporate trainings, efficient technical communication skills and creative project assignments. To motivate the engineers of the future through competition in communication skill, seminar presentation, project, and group discussion. To encourage the intended engineers in kind, humble and moral behavior with ignition in mind to Contribute for the welfare of society.

Program Educational Objectives (PEOs)

PEO1:

To provide the students with a solid foundation in mathematical, scientific and electronics and communication engineering fundamentals required to solve related problems;

PEO2:

To train the students with scientific and electronics and communication engineering application knowledge to comprehend, analyze, design & create novel products and solutions for real life problems.

PEO3:

To inculcate leadership in the students professional/ ethical attitude, effective team work skills, multidisciplinary approach and to relate electronics and communication engineering issues to a broader context;

PEO4:

To motivate the students to excel in various educational programs or to

succeed in industry/ technical profession through further education/ training such as seminars, workshops, conferences etc;

PEO5:

To provide the students with academic environment of excellence, leadership, ethical guidelines and to encourage with achievement awards for productive career.

The Department at a Glance

The Department of Electronics and Communication Engineering started its journey with the establishment of JIS College of Engineering in the year of 2000. In 2011 the institution received approval of the Autonomous Institution. From inception, this department has maintained updated experimental laboratories and experienced faculty members. At present the department runs one undergraduate program (B. Tech in ECE) and one postgraduate program (M. Tech in MCNT) under MAKAUT. These courses are accredited by NBA (National Board of Accreditation), NAAC (National Assessment and Accreditation Council). The curriculum and syllabus have been updated under an autonomous institutional framework. Online courseware established for each course is available on the institutional website. In view of the growing need in modern education JISCE has started FLIP learning from 2017. This new approach of teaching learning is focused to motivate students in Group discussion on sub topics, Digital content building, Presentation of the digital content on the smart board. In addition to the institutional library, the departmental library provides reference books, previous project report, NPTEL repository, previous year semester questions, and faculty publication repository for the benefit of students. The department has a strong focus in students mentoring through creative idea building linked to the benefit of society. Involvement of the students in various ongoing projects sponsored by the central government instills deep research ideas. During the days at JISCE students are going through Industrial Visit, Vocational training at reputed industry, Industry partnered project, Academic visit to foreign Universities etc. Being a member of the department for a long time I feel proud to share that good cooperation among faculty members' results in overall accomplishments.



Few Photographs inside the Laboratory

Industry Institute Interaction Activity —ORGANIZED BY THE DEPARTMENT OF ECE

The Department of Electronics and Communication Engineering has organized a Program on interaction activity between Industry and Institute for the benefits of students. The interaction program is essential to know the current requirements in industry which can be utilized to develop curricular program and can be organized students training activities. The Industry Institute Interaction program is held on 17th June, 2022. Mr. Rajesh and his team from QMANS are interacted with the faculty members of ECE department.

In the interaction program, people from Industry could get the information related to teaching and practical laboratory. Participants from the ECE department got ideas how to prepare students according to industry requirements. Also, industry personnel expressed their willingness to train our students.



Photographs during interaction

WORKSHOPS AT THE DEPARTMENT OF ECE

The Department of Electronics and Communication Engineering has continuously organized a huge number of workshops for the benefits of students, faculty members as well other staff members also to acquire Knowledge regarding various subjects and teaching or industry related aspects. Some important events are listed here.

- 10 DAYS Workshop on AI/ML on some pre-scheduled days from 28th April, 2022 to 13th May 2022.
- Workshop of West Bengal Innovation Network (WBIN) on 8th March 2022.

- FDP on Recent Research Trends of ECE based Research Aspects, Duration 5th-10th June, 2022.



Workshop on

AI/ML



Topic to be covered: Python, Numpy, Pandas, Matplotlib, Seaborn, Data Exploration and Machine Learning

Duration : 10 days

Date: April 28th & 29th, May 2nd, 4th-6th, 10th-13th.

Registration: Free, At Room 320 Main Building on spot from 3PM

dated 28th April 2022

Speaker :

Dr. Indranath Sarkar

Associate Professor, ECE, JISCE

Organized By:

Department of Electronics and Communication Engineering
JIS College of Engineering

M: 8697743363 / 9330906162

www.jiscollge.ac.in



Photographs during workshops

FRESHER'S 2K22 "FARISTHA"- ECE Department

Senior students of the Department of Electronics and Communication Engineering has organized a fresher's welcome program "FRESHER'S 2K22 FARISTHA" on 01-06-2022 for new comer students. Different cultural activities are performed by the students. A good interaction between all the students is done. From the beginning to end of the program faculty members from ECE and other Department also are percent in the program.

A good interaction between all the students is established. These can help them in different aspects like friendship, learning course related topics and something beyond the course which can be utilized to make future bright. Different cultural activities performed by the students may help them to build good extra-curricular activities.



FAREWELL PROGRAM OF 2022 PASSOUT ECE STUDENTS



Photographs during Farewell Program

THANKS

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING,
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