

ELECTRONICLE 2.0

ISSUE 2. JANUARY 2023-DECEMBER 2023

DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING



TECHNO COLLEGE OF ENGINEERING AGARTALA

An Engineering College Affiliated to Tripura University and Approved by AICTE, (Govt. of India)
Anandanagar, Tripura West, Pin: 799004



www.tiaedu.org

NEWSLETTER

5G 5G 5G

Communication



UAV



Semiconductor Testing

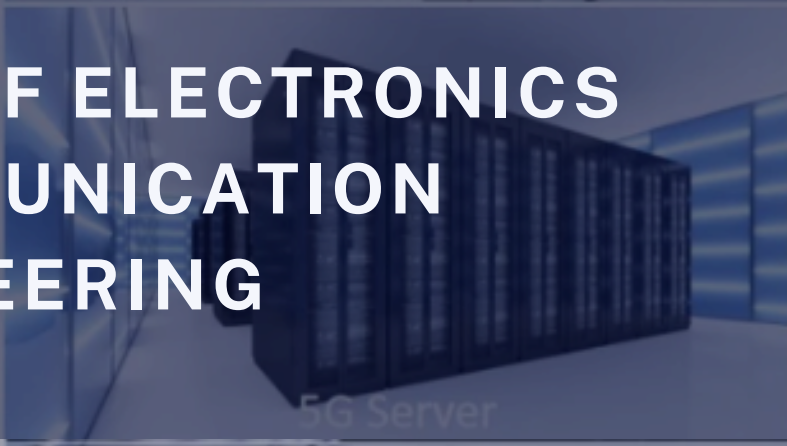


Medical Equipment

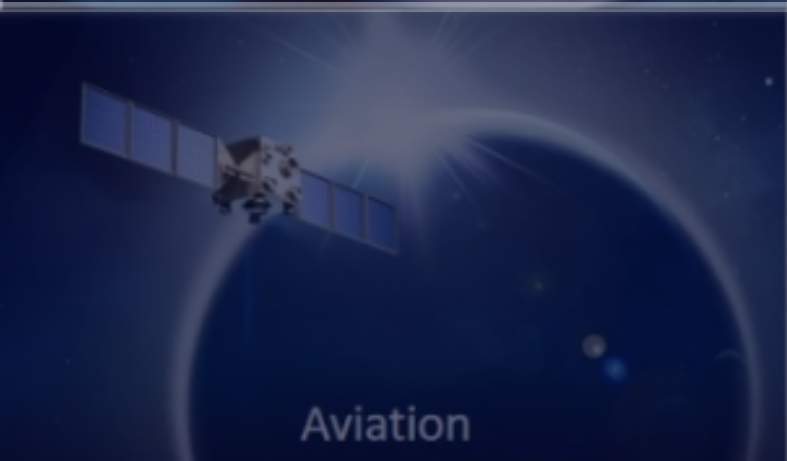
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Consumer Electronic



5G Server



Aviation



Industrial Control

EDITORIAL BOARD

- MISS KABERI SAHA, ASSISTANT PROFESSOR
- MISS SUSMITA MAJUMDER, ASSISTANT PROFESSOR

ADVISORY COMMITTEE

- Dr. Priyansha Bhowmik , Asst. Prof. & Head
- Mr. Malay Ghata ,Asst. Prof
- Miss. Ghungur Bhaumik , Asst. Prof
- Mrs. Tandra Sutradhar , Asst. Prof
- Mr. Dipjyoti Deb , Asst. Prof
- Mr. Sudip Deb , Sr. Lab Instructor

CONTENTS

- Editorial Board
- Institute Mission and Vision
- Principal's Desk
- Department Mission and Vision
- HOD's Corner
- Notes from faculty members
- Laboratory Infrastructure
- Rank Holders 2023
- Departmental Activities
- Beyond Academics
- Projects Done by Student
- Our Achievers (B.Tech ECE 2023)

Editorial Board



As we embark on another academic year filled with promise and potential, it's essential to reflect on the transformative journey that lies ahead. I'm happy to announce that the Department of Electronics and Communication Engineering is here with the second volume of its newsletter, "ELECTRONICLE 2.0," reflecting on the achievements, challenges, and opportunities that define our collective journey, showcasing the innovative research, academic pursuits, and community engagement efforts that continue to shape our department's identity. Finally, we celebrate the spirit of community and camaraderie that defines our department. From engaging in social events and extracurricular activities to supporting one another through the ups and downs of academic life, our departmental community is a source of strength, support, and inspiration. In these pages, we highlight the diverse array of initiatives and programs that foster connections, build relationships, and cultivate a sense of belonging among our faculty, staff, and students.

Miss. Susmita Majumder,
Assistant Professor, Dept. of ECE.



I am glad to see that the department of Electronics and communication engineering is going to release their newsletter for the academic year 2023 about the various activities and achievements of our faculty and students. The department endeavours to produce confident professionals tuned to real time working environment. The department offers excellent academic environment with a team of highly qualified faculty members to inspire the students to develop their technical skills and the spirit of team work in them.

Miss. Kaberi Saha
Assistant Professor, Dept. of ECE.



INSTITUTE VISSION

The Techno College of Engineering Agartala strives to develop institutional excellence in technical education and research to graduate talented, skilled and trained engineers, with admirable traditional cultural values to meet the technological and socioeconomic needs of our state, nation and the world at large.

INSTITUTE MISSION

“Education is the most powerful weapon which you can use to change the world.”

– Nelson Mandela

- To produce creative and technically strong engineers by providing high-quality technical education with emphasis on technical academic excellence, innovative research and development program with core human values.□
- To continuously upgrade the faculty in curriculum design, teaching pedagogy, usage of ICT (Information and Communication Technology) and various processes pertaining to academics, research and University administration.
- Techno College of Engineering Agartala is committed to providing an education that combines rigorous academics with joy of discovery.
- The Institute encourages its community to develop a unique culture that instills responsibility and accountability in partnership with various stakeholders such as parents, society, business and education community.



Principal's desk

“Be active! Take on responsibility! Work for the things you believe in. If you do not, you are surrendering your fate to others.”

APJ Abdul Kalam

“Electronicle 2.0”- the second newsletter of the department of Electronics and Communication Engineering , is about to be released, which gives us tremendous pride and satisfaction. I am confident that the departmental newsletter will make a good impression on students, teachers and people who are interested in technical education and activities based on industry ready technology. A department's actions are clearly depicted in a departmental newsletter, which functions as mirror. I commend the Head of Department, the faculty members and all my students from the Department of Electronics and Communication Engineering for taking the effort to start the newsletter.

Warmest Regards.....

Dr. Dibakar Deb
Principal, TCEA



Electronics and Communication Engineering

DEPARTMENT'S VISION

To be an inspiration in the rapidly evolving areas of electronics and communication engineering by training competent engineers with strong technical, interpersonal, analytical, management and professional ethics who promote societal and industrial advancement.

DEPARTMENT'S MISSION

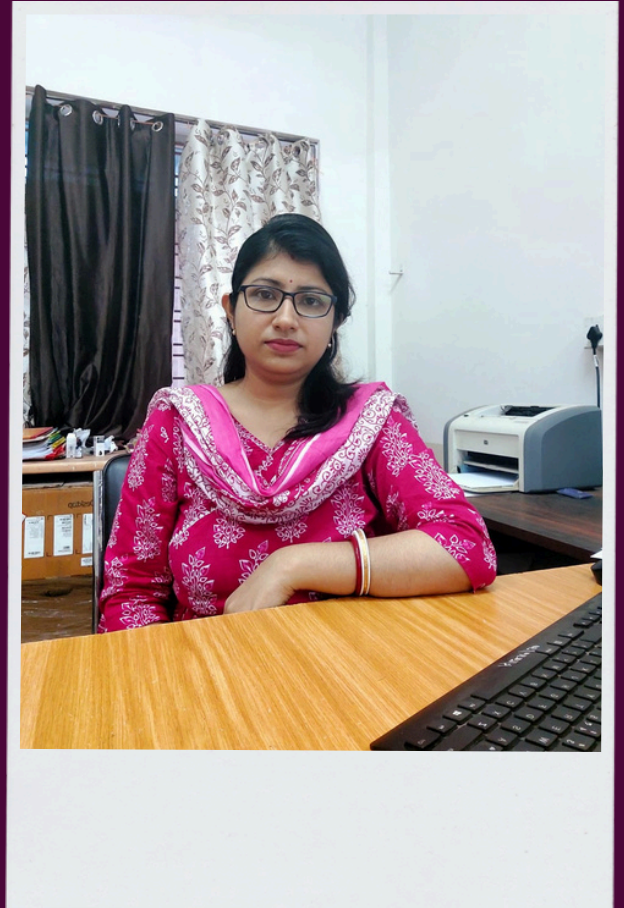
- To disseminate high-quality technical education and knowledge using effective teaching and learning methodologies.
- To teach students to focus on sustainable approaches to improve their standards of life and the well-being of society.
- To provide lifelong education that focuses on imparting ethical principles and creativity in order to become entrepreneurs and develop start-ups.
- To develop research and curriculum that places a fresh emphasis on addressing major engineering challenges for well-functioning societies.
- To instil knowledge about emerging technology in order to pursue higher education and lifelong learning

Pursue excellence
and ignore success.
If you are excellent
you will be
successful
-Deepak Chopra

HOD's Corner

It gives me an immense pleasure to announce the publication of the second issue of "Electronicle" by the Department of Electronics and Communication Engineering at TCEA. The Department was founded in 2014 with the goal of offering technical education in the field of Electronics and Communication Engineering through research, development, and consultancy. The well-equipped laboratories and qualified faculty ensure that students receive cutting-edge education. Numerous Faculty Development program, expert talks, and workshops on current trends in Electronics and Communication Engineering are often held to acquire knowledge of the same. Apart from academic subjects concepts, students are urged to undertake project work in a variety of disciplines such as Internet of Things, Antenna design, Microcontrollers, and so on. Personality development classes and other add-on courses are offered to students to improve their technical and interpersonal skills in order to prepare them for industrial exposure. Students are placed in prominent core and software companies

Dr. Priyansha Bhowmik
HOD, ECE



Learn continually - there's always
"one more thing" to learn!

— Steve Jobs —

Notes from Faculty Members

As a member of the faculty at Techno College of Engineering Agartala, I am thrilled to be associated with the Department of Electronics and Communication Engineering. Because the division has

Empirical Methodology: Prioritizing experiential education to improve inventiveness and critical thinking.

Creating links with the industry by assisting with partnerships and internships to gain real-world experience.

Mr. Malay Ghata, Assistant Professor, Dept. of ECE



Heavenly bliss! It is, indeed. As I write this message for our departmental newsletter's inaugural release, you ought to have seen me. I've been working for the Department of ECE and proudly belonging to the TCEA family for about 6 years now. Our ability to provide a comprehensive strategy for the growth of both our branch and the TCEA community as a whole is our greatest asset. My sincere thanks to all the ECE facilities and students for making this possible. Lastly, a lesson for my students: "Learning never ends without mistakes and setbacks." Thus, dear pupils, never give up on studying and never let fear of failing stop you. What matters most is that you are my strength and source of pride.

Miss Ghungur Bhaumik, Assistant Professor, Dept. of ECE

With great pleasure, we offer you the first issue of 'ELECTRONICLE,' the Department of Electronics and Communication Engineering, TCEA's annual newsletter. The newsletter highlights the achievements of our staff members and students from the current school year.

Mr. Dipjyoti Deb, Assistant Professor, Dept. of ECE.



Notes from Faculty Members

A newsletter functions similarly to a mirror, providing a clear image of all the many activities that a department engages in. Our pupils never cease to astound us with their performances, which are becoming more inventive and polished. Every instructor in our department is capable and passionate about what they do. They have the power to affect students' motivation and promote their participation in the educational process. Through this newsletter, I would like to share with you a number of exceptional departmental accomplishments.

Mrs. Tandra Sutradhar, Assistant Professor, Dept. of ECE



With great pleasure and satisfaction, the Department of ECE releases the "ELECTRONICLE" news letter for 2023. The Department has achieved remarkable progress in all areas, both academic and non-academic, and in building staff and student capability. My heartfelt congrats go out to the faculty and students on their excellent job as well. Sincere regards.

Mr. Sudip Deb, Senior Technical Assistant, Dept. of ECE

Laboratory Infrastructure

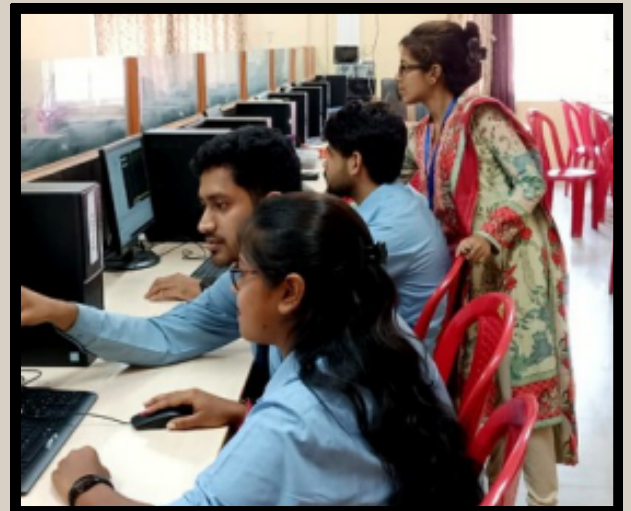
Electronics Devices Lab/ Analog Electronics Lab

For students in their third and fourth semesters, this is the fundamental and most significant lab. It covers the principles of circuit design as well as the characterisation of various electrical devices. The lab is furnished with numerous kits, function generators, CRO, power supply, and multimeters. Students become acquainted with the electronic apparatus and learn about its properties throughout the third semester. During the fourth semester, circuits for oscillators, multivibrators, and amplifiers are constructed using fundamental electronic components.



Microprocessor and Microcontroller Lab/ Embedded System Lab

A dynamic environment is provided for students to use and experiment with the knowledge they have gained in the classroom in the fully equipped microcomputer lab. The lab has training kits based on 8085 Micro Processors and PCs for MASM programming. In addition to this, this lab also has trainer kits for the 8086 and 8051.



Laboratory Infrastructure (cont.)

Analog and Digital Communication Lab

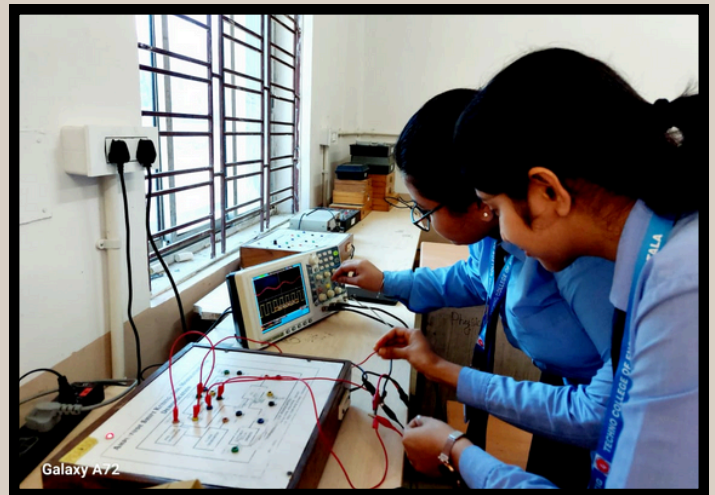
The majority of the users of this lab are B.TECH and Diploma programme pre-final year students. The goal of this lab is to examine several real-world communication strategies. The main experiments include analysing different amplitude modulation schemes (AM, SSB, DSB), experimenting with pulse code, differential pulse code, and delta modulation and comparing various digital modulation techniques (ASK, FSK, PSK). The primary tools/trainers include the following: DM/DPCM, AM, FM, ASK, PCM etc. kits.

Digital Electronics Lab

Students can construct and evaluate circuits such as adders, subtractors, multiplexers, decoders, flip flops, shift registers, counters, and sequence generators. The lab, is well-equipped with Digital IC trainer kits.

VLSI and Digital System Design Lab

VLSIs are single-chip integrated circuits with millions of beautifully constructed transistors that perform amazing feats like mobile connectivity and versatile multimedia. The goal of the establishment of the VLSI Design Laboratory was to facilitate research in a range of fields pertaining to the quickly developing field of Very Large Scale Integration (VLSI) and to establish links between industrial enterprises. For UG experiments linked to B.Tech programmes, this lab provides both basic and sophisticated tools, including as simulation and device modelling.



Laboratory Infrastructure (cont.)

Digital Signal Processing Lab

Utilising Digital Signal Processor trainer kits, the students conduct experiments and run programmes through MATLAB. The lab is equipped with digital storage oscilloscopes and arbitrary function generators in addition to PCs.



Microwave and Fibre-Optic Lab

The Microwave and Fibre-Optic Lab aims to provide students with a basic grasp of common microwave and fibre-optic components and measurement techniques, as well as an in-depth knowledge of their functioning based on wave guides, microstrip lines, and antennas at microwave frequencies. The equipment at the microwave lab includes the microwave benches, microwave power metre, power supply, numerous antenna and fibre-optic kit.



Rank Holders 2023



SHAYANTIKA PATARI
(B.Tech 2nd year)



BINITA PAUL
(B.Tech 3rd year)



SARMIN AKTAR
(B.Tech 4th year)

DEPARTMENTAL ACTIVITIES

IIT KHARAGPUR SUMMIT ENTREPRENEURSHIP

In the 16th edition of Entrepreneurship Summit 2023, the theme for this year GES 2023 was Realm of Renaissance. E-Cell of IIT KGP conducted keynote sessions from eminent personalities like Mr. Karti Kumar Marshan, President & CMO Kotak Mahindra Group; Mr. Abhijit Roy, MD & CEO, Berger Paints India Ltd., and Mr. Akilur Rahman, CTO Hitachi Technologies among many were conducted. Fireside Chats with Mr. Pulkit Jain, Co-Founder Vedantu; Mr. Rohit Kumar, Co-Founder Filo; Mr. Sean Sohn, CEO, Krafton, Mr. Mikhail Gusev, India Representative, Skolkovo Foundation among others invigorated the student with fresh ideations. Workshops, Product Expo, Professor's Meet, Women Conclave, Million-At-Stake, Entrepreneurship Dialogues and panel discussions made the event a grand affair and a funding commitment were received by two startups, Atreya Innovation and Genexis Biotech.



DEPARTMENTAL ACTIVITIES

5 DAY FACULTY DEVELOPMENT PROGRAM ON "RECENT TRENDS IN MATERIALS AND FLEXIBLE ELECTRONICS"

A FDP on "RECENT TRENDS IN MATERIALS AND FLEXIBLE ELECTRONICS" was organized by the dept. Of ECE from 10th -14th April, 2023 (Virtual mode).


The eminent speaker was

- Dr. Bishanka Brata Bhowmik, Assistant Professor, Tripura University
- Dr. Mitradip Bhattacharjee (Post-Doctoral Fellow of University of Glasgow, UK), Assistant Professor, IISER Bhopal. Former YP chair IEEE Sensor (Senior Member, IEEE) and
- Dr. Shuvam Pawar (Post-Doctoral Fellow of IIT Bombay), Assistant Professor, NIT Warangal.

The FDP gave a deep understanding of the concept of the following topics.

- Application of Optical Logic Gates in optical communication networks and quantum gates.
- Application of Flexible integrated photonic devices wearable sensors, bendable displays, and implantable medical devices
- Application of flexible electronic sensors in healthcare system.
- Introduction to Acoustic Wave resonators
- Fundamental of Piezoelectricity and Acoustic Wave Propagation.
- Design of Surface Acoustic Wave resonators and its application.
- Bulk Acoustic Wave Resonators and its application
- The number of participants was 96.





TECHNO COLLEGE OF ENGINEERING AGARTALA

5 Day Faculty Development Program on "RECENT TRENDS IN MATERIALS AND FLEXIBLE ELECTRONICS" On 10th -14th April, 2023 (Virtual mode) Organized by DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING

CHIEF PATRON
Prof. Goutam Ray Chowdhury (Chairman, Techno India Group)

PATRONS
Dr. Dibakar Deb, Principal TCEA

ADVISORY COMMITTEE
Mr. Kunal Ganguly (Director, Techno India Group)
Dr. Tanmay Chakraborty, Assistant Professor, Techno Main, Sakti
Mr. Malay Ghata, HOD ECE, TCEA
Dr. Arpan Laskar, HOD Civil, IQAC Co-ordinator

COURSE CO-ORDINATOR
Dr. Priyansha Bhowmik, Dept. of ECE, TCEA

ORGANIZING COMMITTEE
Mr. Malay Ghata, HOD, Dept. of ECE, TCEA
Dr. Priyansha Bhowmik, Dept. of ECE, TCEA
Mr. Dipjyoti Deb, Dept. of ECE, TCEA

Ms. Ghagar Bhasmik, Dept. of ECE, TCEA
Ms. Susmita Majumder, Dept. of ECE, TCEA
Mr. Yandra Sutradhar, Dept. of ECE, TCEA

ABOUT THE INSTITUTE
Techno College of Engineering Agartala (TCEA), a unit of Techno India Group (Approved by AICTE, Govt. of India and affiliated to Tripura University) was established in the year 2014. At present the Institute is running with 9 UG level courses and 7 Diploma Courses. The Institute is dedicated to creating highly trained professional manpower in various disciplines of Engineering and Technology with an aim in creating individuals with high moral, commitment, dedication & loyalty to serve the society and the nation.

OBJECTIVE AND SCOPE
Flexible electronics is a technology that allows building circuits on flexible substrates, thus making them bendable and stretchable. It has gained significant importance over the past years and has become important to many sectors such as consumer electronics, automotive, retail and healthcare. This program will help the faculty members, research scholars, and P.G. students to understand recent advances in flexible electronics and sensors.

After the completion of the FDP, participants should be able to understand the concept of the following topics.

- Application of Optical Logic Gates in optical communication networks and quantum gates.
- Application of Flexible Integrated photonic devices wearable sensors, bendable displays, and implantable medical devices
- Application of flexible electronic sensors in healthcare systems.
- Introduction to Acoustic Wave resonators

- Fundamental of Piezoelectricity and Acoustic Wave Propagation.
- Design of Surface Acoustic Wave resonators and its application.
- Bulk Acoustic Wave Resonators and its application

EMINENT SPEAKERS

Dr. Bishanka Brata Bhowmik, Assistant Professor, Tripura University.

Dr. Mitradip Bhattacharjee (Post-Doctoral Fellow of University of Glasgow, UK), Assistant Professor, IISER Bhopal. Former YP chair IEEE Sensor (Senior Member, IEEE).

Dr. Shuvam Pawar (Post-Doctoral Fellow of IIT Bombay), Assistant Professor, NIT Warangal.

PARTICIPANTS
Internal and External Faculty Members, Research Scholars, PG Students and Industry personnel.

IMPORTANT POINTS

- Registration can be done through the Google form: <https://forms.gle/COM5ZotevVShv9>
- The last date for registration is 06-04-2023 (4:00 PM)
- No Registration Fee is required and e-Certificate will be issued to all the participants.
- Contact Detail : teacece@gmail.com



DEPARTMENTAL ACTIVITIES

WORKSHOP ON SQL

This course provides an introduction to the SQL language. This course is appropriate for students studying in B.tech 2nd year 3rd year and 4th year. Participants will learn SQL language with Microsoft Access Database. This basic course is for everyone needing to write, support, or understand SQL queries. This includes but is not limited to the students who do not yet have knowledge of the SQL Data Manipulation Language (DML). The objectives of the workshop was

- Code SQL statements to retrieve data from a Microsoft access table, including the SELECT, FROM, WHERE, GROUP BY, HAVING and ORDER BY clauses
- Code inner joins and non-correlated subqueries
- Use SQL arithmetic operations
- Use scalar and column functions
- Use UNION and UNION ALL
- INSERT, UPDATE and DELETE rows
- Code simple CREATE TABLE and CREATE VIEW statements



The poster features the Techno College of Engineering Agartala logo in the top left corner. The central graphic shows a hand holding a blue database cylinder labeled 'SQL' with various icons like buildings and gears. Below this, the text 'Workshop on SQL' is written in white on a dark blue background. Further down, it states 'Organized by Dept. of ECE' and 'May 2-3, 2023' with a calendar icon. At the bottom, it lists the event co-ordinator: 'Mr. Malay Ghata, Assistant Professor, Department of ECE, Techno College of Engineering Agartala'.



DEPARTMENTAL ACTIVITIES

TECHNICAL TALK ON "ANTENNAS: CONCEPT TO REALISE"

Antennas are a type of transducer that converts electric current into Electromagnetic wave. The department of ECE, Techno College of Engineering Agartala, was pleased to organize a technical talk on "Antennas: Concept to Realize " on 30th May, 2023. The eminent speaker was Dr. Kaushik Debbarma, Research Specialist at San Diego State University, California, USA. The technical talk was on the basics of antenna designing for our undergraduate students. The students were shown different types of antenna designed by the speakers' lab. The students interacted with the speakers. This technical talk helped the listeners grasp the valuable knowledge of designing antennas in practical life.



Technical Talk

Antennas: Concept to Realization

Organized by
Department of ECE

Speaker :
Dr. Kaushik Debbarma

RESEARCH SPECIALIST
SAN DIEGO STATE UNIVERSITY
SAN DIEGO, CA, USA

Event co-ordinator
Dr. Priyansha Bhowmik
HOD, Department of ECE,
Techno College of Engineering Agartala

Registration link
<https://forms.gle/9upzk9wra5t6u72x9>

MAY 30, 2023
10:00 AM (IST)
TUESDAY



DEPARTMENTAL ACTIVITIES

WEBINAR ON “HARNESSING THE POWER OF ELECTRONICS AND COMMUNICATION IN SPACE TECHNOLOGY WITH SPECIAL REFERENCE TO CHANDRAYAAN-3”

on 27th September, 2024 the ECE Dept. organized a webinar on Chandrayaan-3. Chandrayaan-3, the third lunar exploration mission by ISRO, exemplifies the profound synergy between human ingenuity and technological innovation. Beyond lunar exploration, the power of Electronics and Communication in space technology has far-reaching implications. The advancements made in this mission can pave the way for space colonization, satellite communication, weather forecasting, and sustainable resource management. Chandrayaan-3 is the beacon guiding us towards a future where the possibilities are limitless. The resource persons were:

Mr. Sushant Kumar (Senior Scientist, Space Applications Centre Indian Space Research Organisation (ISRO), Ahmedabad, Gujrat),

Mr. Rohit Singh (Ex-Scientist/Engineer- SD, Space Applications Centre Indian Space Research Organisation (ISRO), Ahmedabad, Gujrat),

Mr. Ayan Kumar Saha (Officer In-Charge, Udaipur Science Centre Founder General Secretary, Tripura Astronomical Society, Tripura) and

Dr. Bishanka Brata Bhowmik (Assistant Professor, Department of ECE, Tripura University).

Resource Persons

- Mr. Sushant Kumar**
Senior Scientist, Space Applications Centre Indian Space Research Organisation (ISRO), Ahmedabad, Gujrat.
- Mr. Rohit Singh**
Ex-Scientist/Engineer- SD, Space Applications Centre Indian Space Research Organisation (ISRO), Ahmedabad, Gujrat.
- Mr. Ayan Kumar Saha**
Officer In-Charge, Udaipur Science Centre Founder General Secretary, Tripura Astronomical Society, Tripura.
- Dr. Bishanka Brata Bhowmik**
Assistant Professor, Department of ECE, Tripura University.

The Webinar

To truly appreciate the impact of Electronics and communication in space technology, we must understand the challenges scientists face in exploring the unknown. Chandrayaan-3, the third lunar exploration mission by ISRO, exemplifies the profound synergy between human ingenuity and technological innovation. Beyond lunar exploration, the power of Electronics and Communication space technology has far-reaching implications. The advancements made in this mission can pave the way for space colonization, satellite communication, weather forecasting, and sustainable resource management. Chandrayaan-3 is the beacon guiding us towards a future where the possibilities are limitless.

Registration

Registration is free for all.
Registration link: <https://tinyurl.com/TCEACE>
** Certificate shall be awarded to all the attendees of the webinar.

Scan to Register:

Patron
Dr. Dibakar Deb, Principal, TCEA.

Advisory committee
Dr. Arpan Laskar, IQAC Coordinator, TCEA.
Dr. Priyansha Bhowmik, HOD, Department of ECE, TCEA.

Co-ordinators:
Miss Susmita Majumder
Assistant Professor, Department of ECE, TCEA.
Mrs. Tandra Sutradhar
Assistant Professor, Department of ECE, TCEA.

Organizing Committee:
Miss Ghungur Bhowmik
Assistant Professor, Department of ECE, TCEA.
Mr. Malay Ghata
Assistant Professor, Department of ECE, TCEA.
Mr. Dipjyoti Deb
Assistant Professor, Department of ECE, TCEA.

About Us!

Techno College of Engineering Agartala (TCEA) is a self-financed un-aided private engineering college affiliated to Tripura University (A Central University), approved by AICTE, MHRD, Govt. of India. It is run and managed by Techno India Group.

The Department of Electronics & Communication Engineering at TCEA envisions to develop students into proficient Engineers with strong technical, interpersonal, analytical, managerial and professional ethics through an efficient teaching-learning process and innovative quality research.

TECHNO COLLEGE OF ENGINEERING AGARTALA

Webinar on
Harnessing the power of Electronics and Communication in Space Technology with special reference to Chandrayaan-3

Organized by Dept. of Electronics & Communication Engineering

DATE: 27TH SEPTEMBER, 2023
TIME: 10:30 AM IST
PLATFORM: GOOGLE MEET



DEPARTMENTAL ACTIVITIES


QUIZZARD

A general knowledge and current events quiz tournament was held by the ECE Department on October 5, 2024. Ten teams from various branches competed in the tournament. In the competition, the pupils displayed great enthusiasm.

The Winner was
Hriday Adhikari (CSE Dept.)
Akash Kapali ((CSE Dept.)

Runners:
Priyangshu Karmakar (ECE)
Soumyadeep Bhowmik (CSE)

**TECHNO COLLEGE OF ENGINEERING
AGARTALA**



QUIZZARDS

ORGANIZED BY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

TOPIC : GK, CURRENT AFFAIRS

SCAN HERE FOR REGISTRATION



Oct 5, 2023
TIME : 1.00 PM

VENUE : NEW SEMINER HALL (TCEA)

OPEN FOR ALL STUDENTS OF TCEA!
Free Registration!

TAP HERE FOR
REGISTRATION

+91 6364753933
+91 7630848387

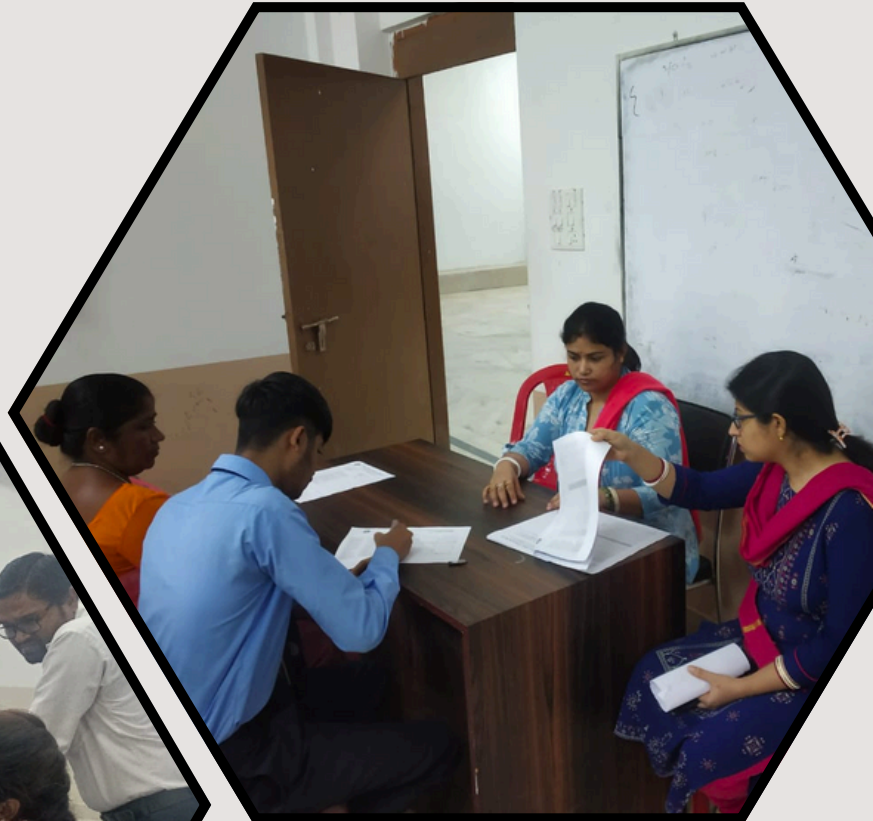


DEPARTMENTAL ACTIVITIES

PARENT TEACHER MEETING

A parent-teacher meeting was organized on 25th November, 2023 that featured the following activities:

- Each parent's ward's subject-specific monthly attendance and internal marks were discussed. Parents were asked to encourage their children to maintain a 75% attendance record.
- Awareness of the institute's various training program, initiatives, and placement.
- Comprehensive assessment of individual strengths and weaknesses.
- The faculty members advised parents to encourage their children to attend GATE, Aptitude, and GD classes offered by the ECE department.
- Motivate parents to encourage their children to participate in extracurricular activities.
- Parent's feedback was taken.



DEPARTMENTAL ACTIVITIES

INDUSTRIAL VISIT TO AAI AGARTALA

On 7th December, 2023 the ECE Dept. organized an industrial visit at Maharaja Bir Bikram Airport, Agartala. The students were split up into groups and sent to the CNS (Communication Navigation Surveillance) Equipment Room and ATC tower, where they were given an overview of how ATC employees manage and control aircraft both in the air and on the ground. The live monitoring and transmission of the signals related to the aircraft movement control thrilled students. The undergraduate students had a tremendous opportunity to learn from it, in fact. They benefited greatly from the technical information supplied by the Agartala airport authorities as well as the awareness of the range of job prospects available at the airport. Finally, the students received information on how to become members of AAI as well as what the organisation provides and requires of them.



Beyond Academics



SPEECH COMPETITION
 On The Occasion of National Girl Child Day
 ORGANIZED BY
 DEPARTMENT OF ELECTRICAL ENGINEERING &
 DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING,
 TECHNO COLLEGE OF ENGINEERING AGARTALA

Theme: "Empowering Girls Empowering Nation"

Date :13 January 2023
 Venue : TCEA Seminar Hall

Registration is FREE

<http://bit.ly/3GPs0wN>



Dandiya NIGHT

Join Us At
TCEA Campus
 10th November 2023
 5 PM Onwards

TECHNO COLLEGE OF ENGINEERING AGARTALA

PARICHAY 2K23

ASH KING

Join us for an unforgettable night of **melodies, memories, and magic** as we present the sensational singer **Ash King**, at the most awaited event of **Parichay 2k23!**

JOIN US AT
 "TCEA CAMPUS"
 MAHESHKHOLA, AGARTALA, TRIPURA,
 MADHUBAN, TRIPURA 799004

CELEBRATE WITH **ASH KING**
 #SOULFULSERNADE
NIGHT OF RHYTHM
SEP. 16, 2023

PARICHAY 2K23: WHERE TECH MEETS ENTERTAINMENT

FOR MORE INFORMATION VISIT US AT
WWW.PARICHAY.TIAEDU.ORG

PROJECTS DONE BY THE STUDENTS



Design of Mobile controlled 6 DOF Robotic Arm for pick and place operation - Using 3-D printer.

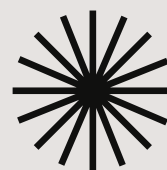


Design of a Robotic Arm



Mini Project on Embedded System

Our Achievers (B.TECH ECE 2023 Batch)



NANDITA KAR
(TIUT)



AJOY SARKAR
(Deloitte)



BITANU DAS GUPTA
(Anibs Clean tech Private Limited (Solar EPC company))

Our Achievers (B.TECH ECE 2023 Batch)



CHIRAG CHAKRABORTY
(Strategic Research
Insights and Inmovidu
Technologies)



POUSHALI RAHA
(Inmovidu
Technologies)



PRALAY KUMAR PAUL
(Inmovidu
Technologies)



PRATIKSHA SAHA
(ONGC)



**SATYABRATA
MUKHOPADHYAY**
(GAIL)



GOURAB SAHA
(Inmovidu
Technologies)



ROHIT BAIDYA
(Hindustan Industries
Water treatment
plants)



ANKITA NAHA
(TIUT)



DEBAPRIYA PAUL
(TIUT)

TECHNICAL PROGRAM PARTICIPATED BY THE FACULTIES

