



EE CHRONICLES

| EE & ECSE NEWSLETTER
2024-25, VOL: II, ISSUE:I |

**DEPARTMENT OF ELECTRICAL
ENGINEERING(EE)
AND
DEPARTMENT OF ELECTRICAL &
COMPUTER ENGINEERING (ECSE)**

EE CHRONICLES

A NEWSLETTER BY THE DEPARTMENT OF ELECTRICAL ENGINEERING(EE)
AND DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING (ECSE)

IN THIS ISSUE

1. EE & ECSE VISION & MISSION	2
2. EE & ECSE AT A GLANCE	3
3. EE & ECSE FACULTY	4
4. EE & ECSE LABORATORY	5
5. INDUSTRIAL VISITS	6
6. SOCIAL RESPONSIBILITY	8
7. EVENTS	9
8. FACULTY ACHIEVEMENTS	19
9. OUR ALUMNI	21
10. PLACEMENTS	23



OUR VISION & MISSION

1. Institute Vision:

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

2. Institute Mission:

- To produce creative and technically strong engineers by providing high-quality technical education with emphasis on technical academic excellence, innovative research and development programmes with core human values.
- To continuously upgrade the faculties in curriculum design, teaching pedagogy, usage of ICT (Information and Communication Technology) and various processes pertaining to academics, research and University administration.
- To endorse continuous learning that combines rigorous academics with joy of discovery.
- To develop a unique culture that instills responsibility and accountability in partnership with various stakeholders such as parents, society, business and educational communities.



FROM PRINCIPAL'S DESK

Greetings to all !

It is a matter of great pride and satisfaction that "EE CHRONICLES", the newsletter of Department of Electrical Engineering(EE)& Department of Electrical& Computer Engineering (ECSE) is about to be published. Our mission is to inculcate the love of knowledge in our students and we aim to develop the skills and demeanor of lifelong 'learning,' essential for making responsible global citizens. A departmental newsletter is like a mirror that reflects a clear picture of all sorts of activities undertaken by department. I am sure that the departmental newsletter will give them enthusiasm and an insight to the possibilities and make them immensely capable of facing the future with resilience and optimism. I congratulate the HOD, faculty members and my students of the EE & ECSE department to take initiative of publishing the newsletter.

With best wishes,



Dr. Dibakar Deb
Principal, TCEA

EDITORIAL

Dear readers,

Salutations and a hearty welcome to this edition of the EE & ECSE Department's newsletter, "EE CHRONICLES". Overall, being a part of an editorial team has been an excellent experience. We are pleased to present the second edition of the year-wise News Letter, which is unquestionably bigger and better in order to highlight the department's accomplishments and honors. We are truly appreciative that the head of the EE and ECSE departments has given us this responsibility. The idea for this project was still in the early stages, and it envisioned a new hub for innovation and creativity for the whole EE & ECSE family. Following several weeks of waiting and getting ready, the Newsletter is now available.

Student Coordinator :

- Shubhankar Datta
4th Year, B.Tech Student, ECSED (Designer)
- Sushmita Majumder
4th Year, B.Tech Student, EED (Editor)

Faculty Coordinator :

- Mr. Animesh Roy
Assistant Professor, ECSED, TCEA
- Mr. Partha Pratim Chakraborty
Assistant Professor, EED, TCEA

EE VISION & MISSION

Department of Electrical Engineering: Vision

To produce competent and socially responsible graduates prepared for successful careers in industry, higher studies, and research, capable of adapting to the rapidly evolving fields of electrical engineering while upholding ethical and cultural values, thereby contributing to societal and technological development.

Department of Electrical Engineering: Mission

- To foster a dynamic academic environment that prepares graduates for successful careers in the electrical engineering industry through innovative teaching, practical learning, and technical skill development.
- To promote a strong academic and research culture that encourages higher education, innovation, and lifelong learning for solving real-world engineering problems.
- To develop socially responsible and ethically driven professionals through interdisciplinary learning, hands-on experience, co-curricular engagement, and active participation in community development.

ECSE VISION & MISSION

Department of Electrical and Computer Engineering: Vision

To produce competent graduates in Electrical and Computer Engineering who are well-prepared for successful careers in industry and higher studies, and capable of adapting to rapidly evolving technologies.

Department of Electrical and Computer Engineering: Mission

- To foster a dynamic academic environment through innovative and outcome-based teaching-learning practices, preparing graduates for successful careers and advanced studies.
- To enhance interdisciplinary and technical competencies through practical exposure, research activities, and industry interaction.
- To promote ethical values, lifelong learning, and social responsibility through community-focused initiatives and professional development.



HOD'S DESK

Greetings to all!

It is with great pleasure that I present my message for the departmental newsletter of the Electrical Engineering Department at Techno College of Engineering, Agartala. Our department has made remarkable strides in the pursuit of academic excellence, innovation, and the overall development of our students.

As we continue to embrace the challenges of the ever-evolving field of electrical engineering, we remain committed to providing a comprehensive education that not only equips our students with technical knowledge but also nurtures their problem-solving, critical thinking, and leadership skills. Through a combination of well-designed curricula, state-of-the-art labs, and collaborative projects, we aim to produce graduates who are not only technically proficient but also ready to tackle the challenges of tomorrow's world.

With best wishes,



Mr. Santanu Bhattacharjee

H.O.D, Department of Electrical Engineering
 & Department of Electrical and Computer
 Engineering

EE AT A GLANCE

The Department of Electrical Engineering of TECHNO COLLEGE OF ENGINEERING AGARTALA is one of the well-equipped Electrical departments of the north-east region Affiliated to Tripura University (a Central university) approved by AICTE. It boasts of having qualified faculties with an un-parallel level of expertise in their field. Under the able Headship of Mr. Santanu Bhattacharjee and a strong faculty team, the Department offers an 8 Semester B.Tech. Programme and 6 semester Diploma in Electrical Engineering, the department offers core courses in Power Systems, Control Systems, Electrical Machines, Power Electronics, Industrial Drives, Instrumentation, Switchgear and Industrial Protection, Microprocessors and Microcontrollers, Embedded Systems, etc. Apart from these, the final year students can choose from a wide array of electives in the form of Computer Aided Power Systems, Flexible AC Transmission, Optimization Techniques, Adaptive Signal Processing, Electric Vehicle, and Machine learning as Final Year Projects. In coordination with the highly stimulating lectures and quality enhancing tutorials in these courses, various practical courses are also held in the state-of-the-art Lab facilities of the department like Basic Electrical Lab, Electric Machines Lab, Measurement Lab, Circuit Theory Lab, Microprocessor Lab, Control System Lab, Electric Drives lab Power System Lab, Power Electronics lab, Industrial ProcessControl lab, Simulation Lab, to name a few.

ECSE AT A GLANCE

The Department of Electrical and Computer Engineering of TECHNO COLLEGE OF ENGINEERING AGARTALA is one of the newly running departments of the north-east region Affiliated to Tripura University (a Central university) approved by AICTE. The department has highly qualified faculties who have passed out from reputed universities and institutes like various NITs, Central universities, etc. Under the able Headship of Mr. Santanu Bhattacharjee and a strong faculty team, the Department offers an 8 Semester B.Tech. Programme in Electrical and Computer Engineering department, the department offers core courses in electrical as like Power Systems, Control Systems, Electrical Machines, Power Electronics, Industrial Drives, Instrumentation, Switchgear and Industrial Protection, Microprocessors and Microcontrollers, Embedded Systems, etc., and also offer core courses from Computer Engineering as Data Science, Python, Java, Machine learning, AI, IoT, and their application in Electrical Engineering field.



EE & ECSE FACULTY MEMBERS



Mr. Santanu Bhattacharjee
Assistant Professor &
(HOD EE Dept. & ECSE Dept.)
Email :bhattacharjee.santanu@tiaedu.org



Mr. Animesh Roy
Assistant Professor
Email : roy.animesh@tiaedu.org



Mr. Tushar Kanti Das
Assistant Professor
Email: das.tusharkanti@tiaedu.org



Dr. Debika Debnath
Associate Professor
Email : debnath.debika@tiaedu.org



Miss. Anindita Deb
Assistant Professor
Email : deb.anindita@tiaedu.org



Mr. Siddhartha Sankar Deb
Assistant Professor
Email : deb.siddharthasankar@tiaedu.org



Mr. Partha Pratim Chakraborty
Assistant Professor
Email : chakraborty.parthapratim@tiaedu.org



Mrs. Susmita Paul
Assistant Professor
Email : paul.susmita@tiaedu.org



Mr. Uday Sankar Debbarma
Lecturer
Email : debbarma.udaysankar@tiaedu.org

EE & ECSE LABORATORY



**ELECTRICAL
MACHINE LAB**



**THE CONTROL
SYSTEM LAB**



**DATA STRUCTURE &
ALGORITHMS LAB.**



**ELECTRICAL
NETWORK LAB**



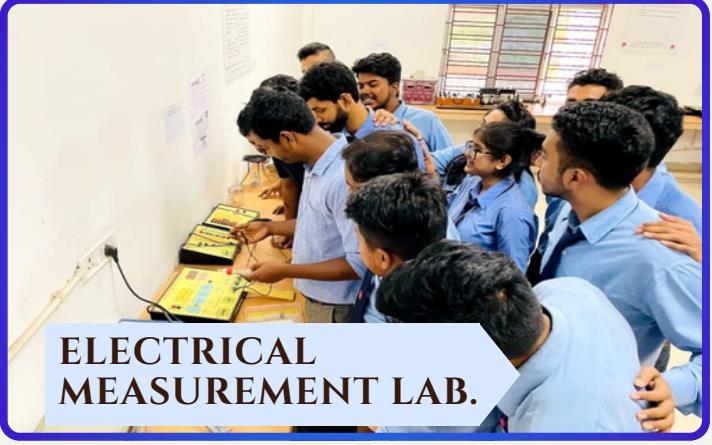
**BASIC ELECTRICAL
ENGG. LAB.**



**POWER SYSTEM
LAB.**



**POWER
ELECTRONICS LAB.**



**ELECTRICAL
MEASUREMENT LAB.**

& MANY MORE

INDUSTRIAL VISIT



INDUSTRIAL VISIT TO 79 TILLA GRID SUBSTATION

Students (6th Semester) of the Department of Electrical Engineering and Department of Electrical & Computer Engineering, Techno College of Engineering Agartala, successfully visited an insightful industrial visit to 79 Tilla Grid Substation on 12th June 2025.

The visit provided practical exposure to the operations of a high-voltage substation, deepening the students' understanding of power transmission and grid infrastructure. The visit was guided and supervised by Asst. Prof. Animesh Roy sir and Asst. Prof. Partha Pratim Chakraborty sir.

Such industry-academia initiatives greatly enhance technical knowledge and prepare students for real-world challenges.



INDUSTRIAL VISIT TO 79 TILLA GRID SUBSTATION



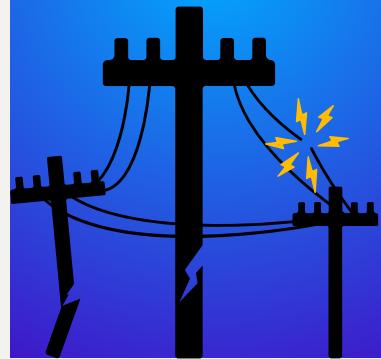
Industrial visits aim to narrow the gap between theoretical knowledge and practical understanding by providing students with direct exposure to various technical operations and processes in real-world. The Electrical Engineering Department of Techno College of Engineering, Agartala, organized an industrial visit for 4th and 6th-semester Electrical Diploma Engineering students on 4th April 2025, at the 79 tilla grid, Agartala. Assisted by Asst. Prof. Tushar Kanti Das and Asst. Prof. Partha Pratim Chakraborty, the visit was successfully conducted with the participation of the students.



SOCIAL RESPONSIBILITY



POWER SAFETY AWARENESS CAMPAIGN



The initiative aimed to educate the local community about essential electrical safety practices and precautions to prevent electrical hazards in daily life. A team of enthusiastic students (B.Tech 8th Semester) actively participated in the campaign and interacted with local residents to spread awareness through demonstrations and informative materials. The event was closely monitored and guided by Asst. Prof. Partha Pratim Chakraborty, Asst. Prof. Siddharth Sankar Deb and Lec. Sudipta Biswas, whose presence ensured smooth coordination and effective engagement throughout the visit.

The Department of Electrical Engineering extends its sincere appreciation to Asst. Prof. Animesh Roy for his commendable initiative in organizing such an impactful outreach program for the first time. His leadership and effort played a vital role in the success of this campaign.



EVENTS

Students of KABIRAJTILLA H.S SCHOOL visited different laboratories of Electrical Engineering Department of Techno College of Engineering Agartala on 28th January 2025 as a part of their educational tour. In this visit students were guided by Mr. Tushar Kanti Das and Mr. Sagar Mallik.

In this visit students performed hands-on understanding of the concepts they've learned in the classroom, and expose them to real-world applications of electrical engineering.



Students of BADHARGHAT H.S SCHOOL visited different laboratories of Electrical Engineering Department of Techno College of Engineering Agartala on 14th February 2025 as a part of their educational tour. In this visit students were guided by Mr. Uday Sankar Debbarma, Mr. Sudipta Biswas and Mr. Sagar Mallik.

In this visit students performed hands-on understanding of the concepts they've learned in the classroom, and expose them to real-world applications of electrical engineering.



EVENTS

We're thrilled to have hosted a Technical Talk on "Powering the Digital World: A Comprehensive Overview of Data Centers and Career Opportunities for Electrical Engineers" on 9th April 2025 at TCEA.

A heartfelt thanks to Er. Satyam Das, Engineer (BMS), Orange Business India (ICT), for his enlightening session.

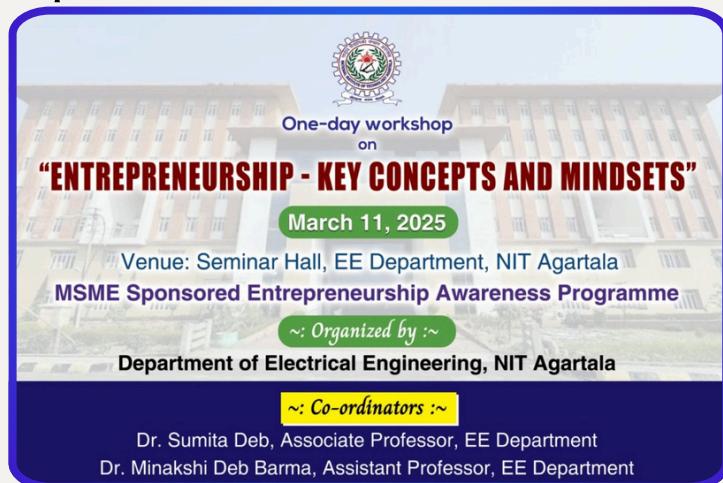
Kudos to the Dept. of EE & ECSE, coordinators, and students for making it a grand success!



EVENTS

On March 11, 2025, a workshop titled "Entrepreneurship – Key Concepts and Mindset" was organized by the National Institute of Technology (NIT) Agartala. The session aimed to introduce students to the foundational principles of entrepreneurship and to inspire a growth-oriented mindset essential for future innovators and business leaders.

Students from the Electrical Engineering Department of Techno College of Engineering, Agartala (TCEA), actively participated in the workshop. Their participation was coordinated under the guidance and supervision of Asst. Prof. Susmita Paul from the EE Department, TCEA.



EVENTS

The Department of Electrical Engineering & Electrical and Computer Engineering, TCEA, in collaboration with IIC, TCEA, expresses sincere gratitude to everyone who joined us for the first session of the day.

We were honored to host Mr. Saptarsi Sarma, Founder & CEO of Chandana Solar Consultancy and proud alumnus of TCEA, who delivered an inspiring session on "Green Entrepreneurship and Renewable Future."

His valuable insights on sustainable business models, solar energy innovations, and the role of youth in driving the green economy truly energized and motivated the audience.



EVENTS

The Department of Electrical Engineering & Electrical and Computer Engineering, TCEA, extends heartfelt thanks to all who joined the second session of the day.

We were delighted to welcome Ms. Uttara Das, Ph.D. (Pursuing), Dept. of Electrical Engineering, Tripura University — and proud alumna of TCEA — who delivered an enlightening session on "Carbon Neutrality: Shaping Sustainable Energy Future."

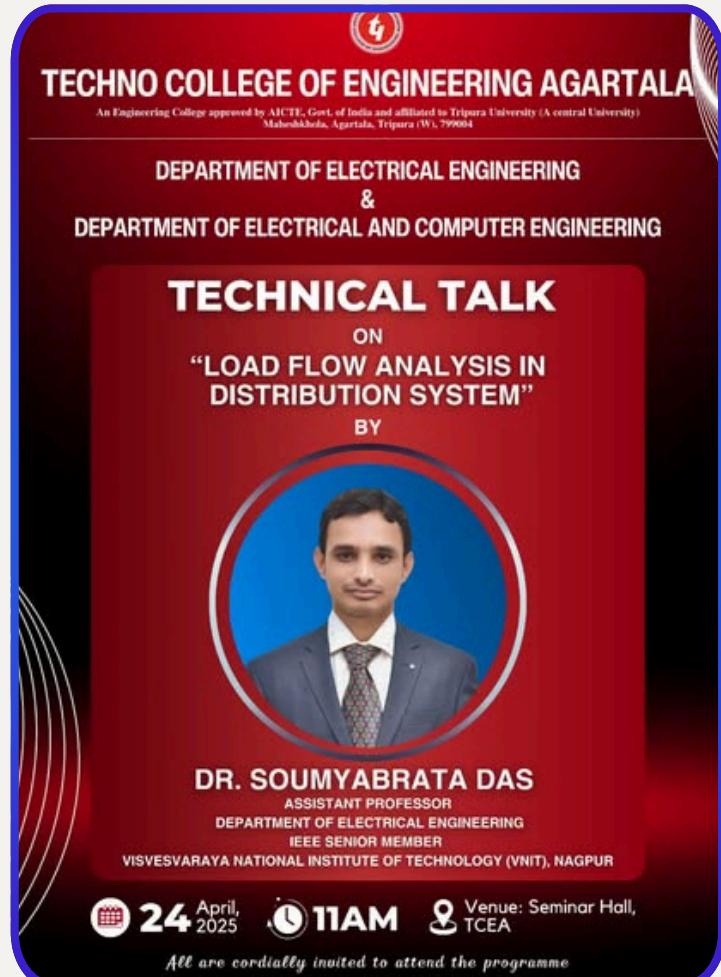
Her in-depth discussion on carbon reduction strategies, sustainable practices, and global energy trends left the audience with fresh perspectives and actionable insights.



EVENTS

The Department of Electrical Engineering & Department of Electrical and Computer Engineering at Techno College of Engineering Agartala successfully organized a technical session on "Load Flow Analysis in Distribution System" on 24th April 2025.

The session was conducted by Dr. Soumyabrata Das, Assistant Professor at VNIT Nagpur and IEEE Senior Member. His insights and in-depth knowledge on the topic provided students and faculty with a deeper understanding of modern power distribution systems and analysis techniques.



EVENTS

Techno College of Engineering Agartala Hosts Technical Workshop on "Smart Industry and Sustainable Engineering"

Agartala, May 2, 2025: In a significant step toward fostering innovation and sustainable practices in engineering, the Department of Electrical Engineering and the Department of Mechanical Engineering of Techno College of Engineering Agartala (TCEA) jointly organized a one-day technical workshop on "Smart Industry and Sustainable Engineering" on May 2, 2025, at the TCEA campus.



TECHNICAL WORKSHOP on
Smart Industry and Sustainable Engineering

Jointly Organised by
Department of Mechanical Engineering & Department of Electrical Engineering

Dr. John Deb Barma
 Professor, Dept. of Mechanical Engineering, NIT Agartala

Dr. Bikram Das
 Assistant Professor, Dept. of Electrical Engineering, NIT Agartala

Free Registration
[Scan Here to register](#)

Venue: TCEA Seminar Hall | **2nd May 2025** | **Session time 11:00AM** Onwards

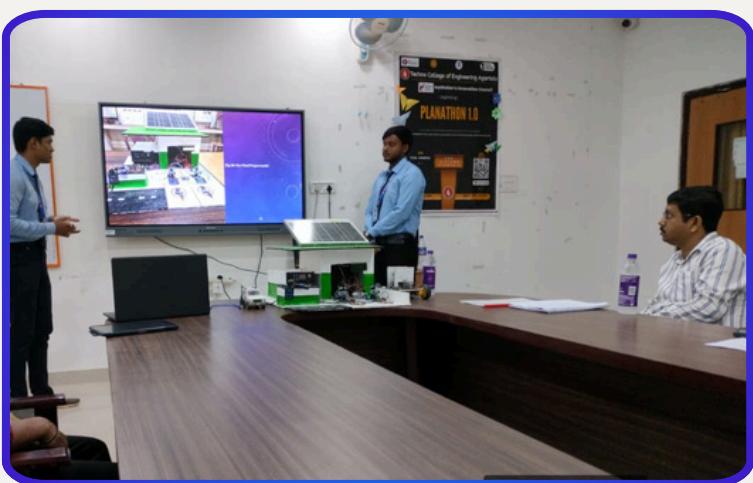
ad.eedept@gmail.com | ad.medep@outlook.com | www.tiaedu.org | **Mareshkhola, Anandnagar, Agartala, West Tripura, 799004**



FEW GLIMPSES OF B.TECH FINAL YEAR PROJECTS!



FEW GLIMPSES OF B.TECH FINAL YEAR PROJECTS!



Power Safety program by Techno students

■ NEC Report

Agartala, Jun 14: In a benevolent initiative, the final year B.Tech students of the Electrical Engineering and Electrical & Computer Engineering Departments of Techno College of Engineering, Agartala, organized a "Power Safety Awareness Campaign" at Maheshkhola locality, Madhuban, in Agartala, on Wednesday. They inform the local people about the precautions to be taken while using electricity. Prompted by the recent unforeseen flood disaster in Tripura, the campaign was aimed at spreading awareness about electrical safety during and after floods, especially among residents living in low-lying and vulnerable areas. Recognizing the potential risks posed by damaged electrical infrastructure, the students took the lead in sensitizing the local community on vital safety measures. As part of the campaign, the students distributed safety instruction leaflets highlighting do's and don'ts related to electrical usage in flood-affected environments. In addition, they also handed over a few precautionary items—such as electrical insulation tape, gloves, and emergency contact information cards—to help residents take basic preventive actions in times of need. Residents of the Maheshkhola area appreciated the initiative. Faculty coordinators from both departments lauded the students for their proactive involvement and community-oriented mindset. "This campaign is not only a part of academic learning, but also a reflection of the values we want to instill in our future engineers—technical awareness, public responsibility, and humanitarian service," said a faculty spokesperson. The event stands as a shining example of how educational institutions can engage meaningfully with the community, especially during times of crisis.

TCEA Final Year Students Spread Power Safety Awareness Campaign in Maheshkhola

Agartala, 11 June : In a heartfelt and socially responsible initiative, the final year B.Tech students



of the Electrical Engineering and Electrical & Computer Engineering Departments of Techno College of Engineering Agartala (TCEA) organized a "Power Safety Awareness

environments. In addition, they also handed over a few precautionary items—such as electrical insulation tape,

Campaign" at Maheshkhola locality, Madhuban, Agartala, Tripura (West). Prompted by the recent unforeseen flood disaster in Tripura, the campaign was aimed at spreading awareness about electrical safety during and after floods, especially among residents living in low-lying and vulnerable areas. Recognizing the potential risks posed by damaged electrical infrastructure, the students took the lead in sensitizing the local community on vital safety measures. As part of the campaign, the students distributed safety instruction leaflets highlighting do's and don'ts related to electrical usage in flood-affected

TCEA hosts workshop on "Smart Industry and Sustainable Engineering"

Times News

Agartala, May 02: The Department of Electrical Engineering and the Department of Mechanical Engineering of Techno College of Engineering Agartala (TCEA) jointly organized a one-day technical workshop on "Smart Industry and Sustainable Engineering" on May 2 (Friday) at the TCEA campus. The workshop aimed to equip engineering students from across Tripura with insights into the evolving landscape of smart industrial technologies and sustainable engineering solutions. It brought together students, faculty members, and industry professionals to discuss and explore the integration of advanced automation, IoT, and eco-friendly design in modern industrial systems. The event featured expert talks, interactive sessions, and hands-on demonstrations focusing on Industry 4.0, energy-efficient systems, renewable integration, and intelligent manufacturing. Distinguished speakers, Dr. John Deb Barma, Professor,

Dept. of Mechanical Engineering and Dr. Bikram Das, Assistant Professor, Dept. of Electrical Engineering from the National Institute of Technology, Agartala and technical experts from TSECL, shared their knowledge, emphasizing the urgent need for sustainable innovation to meet global environmental challenges. Over 100 students from various engineering colleges across the state participated, making the event a platform for knowledge exchange, networking, and collaborative learning. The workshop concluded with a valedictory session where certificates were distributed to participants, and appreciation was extended to the organizing teams of both departments for their successful coordination and impactful initiative. Such efforts underscore TCEA's commitment to academic excellence and its proactive role in preparing future engineers for the demands of a smarter, greener industrial era.

Technical talk on Load Flow Analysis at TCEA

Times News

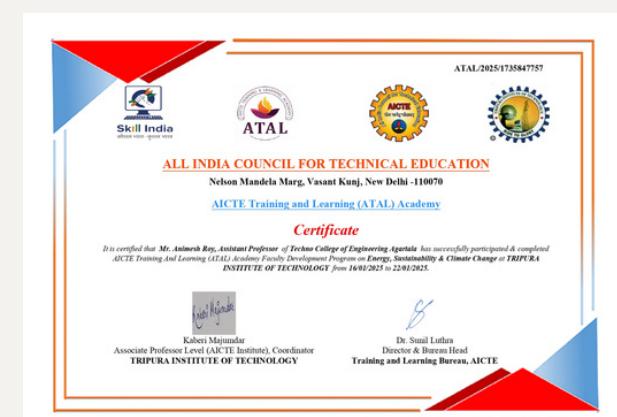
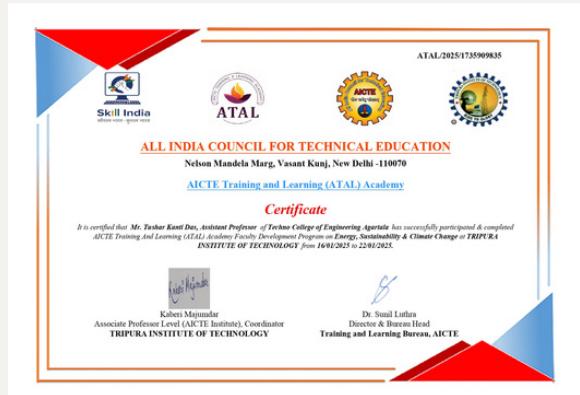
Agartala, Apr 24: The Department of Electrical Engineering and Electrical & Computer Engineering at Techno College of Engineering, Agartala (TCEA) organized a technical talk on "Load Flow Analysis in Distribution Systems" for its students. The session was delivered by Dr. Soumyabrata Das, Assistant Professor at Visvesvaraya National Institute of Technol-

ogy, Agartala, a distinguished academic in the field of power systems. Dr. Das shared valuable insights on the significance of load flow studies in modern electrical distribution networks, enhancing students' understanding of practical system analysis.

The event, held at the college seminar hall, saw active participation and was appreciated as an enriching learning opportunity for future engineers.



FACULTY MEMBERS' ACHIEVEMENT



FACULTY MEMBERS' ACHIEVEMENT



ALUMNI ACHIEVEMENT

Heartiest Congratulations!

We are proud to share that **Mr. Nani Gopal Debnath**, an alumnus of the 2020 batch from the Department of Electrical Engineering, Techno College of Engineering Agartala, has achieved a remarkable milestone by securing a rank in **Tripura Engineering Services (TES)**. Your hard work and dedication have truly paid off, and your success is an inspiration to all our students and alumni. We wish you continued success in your professional journey.



OUR ALUMNI



Mr. Abhijit Saha
Assistant Professor, Dept. Of
Electrical Engineering
Dhamma Dipa International
Buddhist University



Mr. Nishankar Debnath
Guest Lecturer, Dept. of
Electrical Engineering, Techno
College of Engineering Agartala



Mr. Nabarun Debnath
Engineer (Validation),
Genus Power Infrastructure Ltd



Mr. Akrit Bhakta
Electrical Maintenance
Engineer, JBMI Pvt. Ltd



Mr. Sudipta Biswas
Guest Lecturer, Dept. of
Electrical Engineering, Techno
College of Engineering Agartala



Mr. Sourav Saha
Electrical Maintenance
Engineer, JBMI Pvt. Ltd



Ms. Krittika Debnath
M.Tech Scholar, NIT
Durgapur

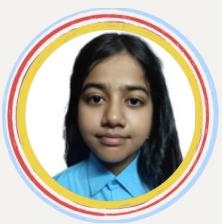


Mr. Sagar Mallik
PhD Pursuing, Dept. of
Electrical Engineering, NIT
Agartala



Ms. Prithisha Bhowmik
Company name- Darwinbox
Digital solutions pvt ltd
Designation - Analyst-
Business Development

PLACEMENTS



**Ms. Baishali Das
(EE)**



**Mr. Anirban Chakraborty
(EE)**



**Ms. Swastika
Das (EE)**



**Ms. Rima Das
(EE)**



**Ms. Britika Debbarma
(EE)**



**Ms. Sneha Majumder
(EE)**



**Ms. Sandip Acharjee
(EE)**



**Ms. Sristi Debnath
(EE)**



**Mr. Ankur Chowdhury
(EE)**



**Ms. RESHMI NAMA
(ECSE)**



**Mr. Rajib Sarkar
(EE)**



**Ms. Sangita Saha
(EE)**



**Ms. Priya Das
(EE)**



**Mr. Sukanta Mog
(EE)**



**Ms. Ishita chakraborti
(EE)**



**Ms. Supriya Debnath
(EE)**



PLACEMENTS



**Mr. Manish Roy
(EE)**



**Mr. Sayan Saha
(EE)**



**Mr. Saptadip Chowdhury
(EE)**



**Ms. Liza Das
(ECSE)**



**Mr. Kunal Saha
(ECSE)**



**Mr. Billamangal Paul
(ECSE)**



**Mr. Ayush Saha
(ECSE)**



**Mr. Arkit Das
(ECSE)**



**Mr. Subhankar Sutradhar
(ECSE)**



**Ms. Rahul Ghosh
(ECSE)**



**Mr. Pamtwi Debbarma
(ECSE)**



**Mr. Saptadeep Gope
(ECSE)**





CONTACT US

DEPARTMENT OF ELECTRICAL ENGINEERING (EE) & DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING (ECSE), TECHNO COLLEGE OF ENGINEERING AGARTALA

📍 MAHESHKHOLA, PO: ANANDANAGAR,
TRIPURA (W) PIN: 799004

FOLLOW US ON

✉ EMAIL : head.eeddept@gmail.com