DEPARTMENT OF **CIVIL ENGINEERING**

CIVIL CONNECT

ICFAI University Tripura, Civil Engineering Department

NEWSLETTER

Civil Engineering Insights: Exploring Events, Research, and Sustainability Initiative – AY 2025-26 Issue.

Prepared By
Dr. Palash Dey, HoD, CE
Editorial Board
Dr. Prasanta Kumar Sinha, Principal, ITS
Dr. Priyangshu Rana Borthakur, Dean, FST
Contact
E-mail: civil@iutripura.edu.in

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Civil Engineering Department
The ICFAI University Tripura

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Message from the Vice-Chancellor

It is encouraging to see the Civil Engineering Department actively involved in academic excellence, innovation, research, consultancy work and practical learning. The achievements and activities highlighted in this newsletter reflect the sincere efforts and commitment of both students and faculties.

Today, Civil Engineering is evolving beyond traditional practices. With the integration of digital tools, data-driven design, Artificial Intelligence and smart infrastructure, the field is entering an exciting new era. It is encouraging to see our students and faculty members embracing these modern advancements and preparing to lead in a rapidly changing world.

This newsletter highlights not only achievements but also the department's readiness to adapt, innovate and contribute to sustainable and intelligent solutions for society. The blend of strong fundamentals with emerging technologies is truly the need of the hour.

I would like to motivate all faculty members, students and staff not to remain limited to routine work, but to actively explore new ideas, technologies, and opportunities so that the department stays one step ahead of the future.

Wishing the Civil Engineering Department continued success as it moves confidently into this new age of engineering.

Prof. (Dr.) Biplab Halder
Vice-Chancellor
The ICFAI University Tripura

Message from the Registrar

I am happy to share my greetings with all the students, faculties and staffs of the Civil Engineering Department on the release of this newsletter.

Civil Engineering plays an important role in building the world around us—from roads and bridges to buildings and water systems. I am glad to see that the department is doing well in teaching, research and other activities. This newsletter shows the hard work and achievements of everyone in the department.

I appreciate the efforts of both students and faculties for their dedication and commitment. Your work is helping to solve real-life problems and make a positive impact on society.

I encourage everyone to read this newsletter and feel proud of these achievements. I wish the department all the best for continued success in the future.

Dr. A. Ranganath
Registrar
The ICFAI University Tripura

Message from the Dean (FST)

It is a pleasure to address the students, faculties and staffs of the Civil Engineering Department through this newsletter.

I am proud to see the continuous progress of the department in academics, research and overall development. The efforts of both students and teachers are clearly reflected in the activities and achievements shared in this newsletter.

Civil Engineering is essential in shaping safe and sustainable infrastructure and I am confident that our students are being well prepared to meet these challenges.

I encourage everyone to stay motivated, keep improving and contribute positively to society through your knowledge and skills. I wish the department many more successes in the future.

Dr. Priyangshu Rana Borthakur
Dean, Faculty of Science & Technology
The ICFAI University Tripura

Message from the Principal (ITS)

It gives me immense pleasure to present this edition of the Civil Engineering Department Newsletter. Civil Engineering, as one of the oldest and most vital branches of engineering, continues to play a transformative role in shaping sustainable infrastructure and resilient communities.

I am proud to note that our Civil Engineering Department has consistently demonstrated academic excellence, innovative thinking, and a strong commitment to practical learning. The department's efforts in integrating theoretical knowledge with field applications, modern technologies, and research initiatives are truly commendable. The active participation of students and faculty in seminars, workshops, site visits, and research projects reflects a vibrant academic culture.

In today's rapidly evolving world, the responsibility of civil engineers extends beyond construction—it involves creating environmentally responsible, safe, and sustainable solutions for future generations. I am confident that our students are being equipped not only with technical expertise but also with ethical values and a sense of social responsibility.

I appreciate the dedication of the faculty members, the enthusiasm of the students, and the continuous support of all stakeholders in making the department a center of excellence. I encourage everyone to continue striving for innovation, collaboration, and excellence.

I extend my best wishes to the department for its future endeavors and hope that this newsletter serves as a source of inspiration and knowledge for all.

Dr. Prasanta Kumar Sinha
Principal, ITS
The ICFAI University Tripura

Message from the HOD

Welcome to the AY2025-26 edition of our departmental newsletter namely *Civil Connect*. This publication serves as a platform to highlight our achievements and keep readers informed about key events, publications, projects and ongoing research and development activities.

The initiatives featured in this issue reflect the vibrant academic, research and extracurricular environment of the Civil Engineering Department at The ICFAI University Tripura. It gives me immense satisfaction to witness the steady progress and accomplishments of the department, made possible through the dedicated efforts of our dynamic faculty members, research scholars and committed technical staffs.

I would like to express my profound gratitude to our Hon'ble Vice-Chancellor, Prof. (Dr.) Biplab Halder for his visionary leadership, constant encouragement and invaluable guidance, which continue to inspire and strengthen our departmental activities. His unwavering support and mentorship have been instrumental in fostering a culture of academic excellence, innovation and continuous improvement within the department, enabling us to achieve new milestones.

I also extend my sincere and heartfelt thanks to Dr. A. Ranganath (Registrar), Dr. Priyangshu Rana Borthakur (Dean FST) and Dr. Prasanta Kumar Sinha (Principal, ITS) for their continuous encouragement, generous support and cooperative spirit extended to the faculty members of the Civil Engineering Department. Their encouragement plays a vital role in motivating us to strive for higher standards in teaching, research and overall development.

Dr. Palash Dey
HoD, Civil Engineering
The ICFAI University Tripura

Message From The Distinguished Guest

It is a pleasure to connect with the Civil Engineering Department through this newsletter. I have been associated with The ICFAI University Tripura for more than two decades and am well familiar with the faculty members of this department. They are dedicated, sincere, and consistently committed to contributing meaningfully to society. I am pleased to observe the department's strong emphasis on quality teaching, practical learning, and sustainable engineering practices. Civil Engineering plays a vital role in nation-building, and it is encouraging to see students being guided in the right direction. The department is also doing commendable work by organizing workshops, seminars, and research activities. I appreciate the efforts of the faculty members, the enthusiasm of the students, and sincerely acknowledge the valuable support provided by the laboratory assistants in facilitating both teaching and learning.

I also fondly recall my visit to the Civil Engineering Department at the ICFAI University Tripura campus on 15th January 2026 (Thursday), along with other members of the Indian Buildings Congress (IBC). The visit was organized for a discussion on technical exposure related to a steel structure project, during which we had an engaging and interactive session with the Head of the Department and faculty members.

The Indian Buildings Congress, as a premier professional body of engineers, architects, and builders, has been consistently striving to promote excellence in the built environment through knowledge sharing, capacity building, and dissemination of best practices. Its initiatives in fostering industry–academia collaboration, encouraging research, and addressing contemporary challenges in infrastructure development are highly commendable. Engagements such as this visit further strengthen the bridge between academic institutions and professional bodies, ensuring that future engineers are well-equipped to meet evolving industry demands.

I, along with all the IBC members, wish the Department of Civil Engineering continued success and growth in the years to come.

Shri Chinmoy Debnath
President, IBC
Fmr. Superintending Engineer, PWD

ALUMNI BITES

I am currently working as a Planning Engineer at PSP Projects Ltd. on the Adani City Side Development (CSD) Project at Sardar Vallabhbhai Patel International Airport (June 2025–December 2027). The Rs.1857 Crore project includes 5-star and 4-star hotels, retail spaces and a convention centre.

My role involves project scheduling, progress monitoring, and coordination with execution teams to ensure timely delivery. I sincerely appreciate my university and the Civil Engineering Department for providing a strong academic foundation, industry exposure and values that continue to guide me in my professional journey. I am especially grateful to the faculty members for their constant support, mentorship, and dedication, which have been instrumental in shaping my skills and confidence.

Regards,

Subhrajit Deb
Alumnus

I am proud to share that I am an alumnus of ICFAI University Tripura, where I gained a strong academic foundation and valuable practical exposure in my field. The guidance and support from the faculty, along with the well-structured curriculum, played a significant role in shaping my professional journey.

Currently, I am working as a Junior Engineer in the Public Works Department (PWD), Tripura. The knowledge and skills I acquired during my time at the university have been instrumental in helping me perform my responsibilities effectively and confidently in the field.

I sincerely express my gratitude to my alma mater for nurturing my growth and preparing me to contribute meaningfully to society. I will always cherish my association with ICFAI University Tripura and remain thankful for the opportunities it has provided me.

Regards,

Aparna Das
Alumnus

VISION AND MISSION OF CIVIL ENGINEERING DEPARTMENT

VISION

To be a pioneer in the field of civil engineering studies and research and contribute progressively towards sustainable regional and national development.

MISSION

1 To equip the students with value-based knowledge and broad sets of skills related to civil engineering that will lead to their professional success and entrepreneurial endeavors.

2 To develop an academic ecosystem that will motivate the students to apply innovative, creative and ethical thinking in solving civil engineering problems with special regards to real life problems for the betterment of society

3 To produce competent civil engineering graduates and scholars having sound scientific and engineering knowledge to take up the challenges of sustainable development.

4 To produce civil engineering graduates with professional ethics and leadership quality with an appetite for lifelong learning.

PATENT

Mr. Supradip Saha, Dr. Palash Dey filed an Indian Patent with Application No.: 468417-001, Date: 01.08.2025 for their invention titled “Cable-stayed Multi-storey Building”.

Mr. Souravtanu Roy, Dr. Palash Dey, Dr. Ashim Paul filed an Indian Patent with Application No.: 477958-001, Date: 25.10.2025 for their invention titled “Bond wrench test apparatus”.

PUBLICATIONS

JOURNALS

Dhar, M., & Dey, P. (2026). Phase change material integrated building envelope toward SDG aligned sustainable solutions: Numerical and artificial intelligence driven analysis. *Environment, Development and Sustainability*, 1-23.

Ojha, A., Dey, P., Bandyopadhyay, T. K., & Das, D. (2025). Comprehensive exploration of indigenous ureolytic Sporosarcina contaminans AKMT9 for self-healing mortar: Growth kinetics and multimodal performance assessment. In *Structures* (Vol. 84, p. 110964). Elsevier.

Dey, P. (2025). Performance of one-way concrete slabs with and without opening. *Civil Engineering Infrastructures Journal*.

Paul, A., Dey, P., & Dhar, M. (2025). Physico-mechanical properties of autoclaved aerated concrete block as an alternative to traditional bricks. *Research on Engineering Structures and Materials*.

Dey, P., Paul, A., Dhar, M., Das, D., & Saha, R. (2025). State-of-art review and future prospects of autoclave aerated concrete for building a sustainable tomorrow. *Environment, Development and Sustainability*, 1-42.

Dey, P., Paul, A., Dhar, M., & Laskar, S. M. (2025). Optimizing Autoclaved Aerated Concrete Properties and Cost Efficiency by Utilizing a Hybrid Strategy of Response Surface Methodology and Desirability Approach. *Circular Economy and Sustainability*, 1-24.

Ojha, A., Bandyopadhyay, T. K., Das, D., & Dey, P. (2025). Microbial carbonate mineralization: a comprehensive review of mechanisms, applications, and recent advancements. *Molecular Biotechnology*, 1-27.

Arora, S., Saha, P.,& Shende, A. D. (2025). Assessment of heavy metal pollution of surface water through multivariate analysis, HPI and GIS techniques. *Water Practice & Technology*, *20*(1), 148-167.

Ray, A., Atul, G. C., Sapkota, S. C., Saha, P., Das, S., Rai, R., & Khandelwal, M. (2025). Stability analysis and prediction of Bimslope failures using numerical modelling and hybrid meta-heuristic models. *Natural Hazards*, *121*(8), 8995-9020.

Dhar, M., Sapkota, S. C., Saha, P., & Arora, S. (2025). Evaluating discharge coefficient of rectangular sharp crested weirs using machine learning models. *Water Resources Management*, *39*(8), 4151-4171.

Adamu, M., Sapkota, S. C., Das, S., Saha, P., & Ibrahim, Y. E. (2025). An explainable boosting-based ensemble machine learning model for predicting the properties of date palm fiber reinforced concrete. *Sustainable Chemistry and Pharmacy*, *44*, 101949.

Arora, S., Khandade, T., Gupta, L. N., & Saha, P. (2025). Comprehensive analysis of heavy metal contamination in the Mandakini (Payaswini) river: Multivariate and index-based perspectives. *Water Environment Research*, *97*(3), e70060.

Raut, A. N., Murmu, A. L., Sapkota, S. C., Das, S., & Saha, P. (2025). Experimental and machine Learning-Based analysis of oxide ratios in Alumina-Silicate geopolymer formation. *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, 1-24.

Saha, A., Sapkota, S. C., Saha, P., Debnath, P., Hazari, S., Das, S., & Samui, P. (2025). Prediction of bearing capacity of geogrid-reinforced sand over stone columns in soft clay. *Proceedings of the Institution of Civil Engineers-Ground Improvement*, *178*(1), 62-74.

Deb, S. (2025). Enhancing groundwater quality index prediction in data-scarce regions: Application of advanced artificial intelligence models in Nagaland, India. *Dynamics of Atmospheres and Oceans*, 101579.

Datta, J., & Deb, S. (2025). Tea factory waste as a cost-effective and sustainable cadmium (II) adsorbent: Investigating adsorption isotherms, kinetics, and thermodynamics. *Physics and* Chemistry of the Earth, Parts A/B/C, 104042.

Dalal, B., & Deb, S. (2025). Modelling of scour depth in the existing bridge piers with and without an adjacent parallel bridge. International Journal of Hydrology Science and Technology, 19(2), 152-169.

Datta, J., & Deb, S. (2026). Tea Factory Waste for Cadmium Removal: Fixed-Bed Performance, Regeneration, and Life-Cycle Assessment towards a Circular Economy. Circular Economy and Sustainability, 6(2), 127.

CONFERENCE PROCEEDINGS AND PARTICIPATION

Dey, P., & Dhar, M. (2026).*Smart roofing with PCM: A sustainable tactic in modern buildings for passive cooling. INCOM 2026, Jadavpur University Kolkata, India, January 8- 10, 2026. Paper Id: INCOM26-87.*

Saha, S., & Dey, P. (2025). *Seismic analysis of high-rise structures using machine and deep learning approaches: A literature survey*. In*International Conference on Advanced Communications and Machine Intelligence (MICA 2025)*.

Devi, G., Gazi, A. H., & Dey, P. (2025).*Investigation of the Flow Dynamics Surrounding Square and Circular Cylindrical Piers with Different Gap Ratios Using RANS and LES Numerical Model. In CISSC, ASCE 2025 (pp. 232-242).*

Roy, S.,& Debnath A. (2025).*Recent progress in biochar composite adsorbents for mitigating PFAS contamination in water sources: a critical review, Proceedings of 2nd International Conference on Pollution Control for Clean Environment (ICPCCE 2025) 22-23 December 2025, IIT Bhubaneswar, (pp. 31-32).*

Roy, S. *attended 2-Day National Conference on "Circular Economy: Plastic Waste to Wealth" under the support of the Department of Chemicals & Petro-Chemicals. 24th & 25th March 2026, Pragya Bhavan, Gorkhabasti, Agartala, Tripura.*

BOOK/ BOOK CHAPTERS/ BOOK EDITED

Dey, P., Biswas, P., Deb, S., & Saha, S. (Eds.). (2025). *Emerging trends in structural engineering* (1st ed.). DM Publishers & Distributors, New Delhi. ISBN: 978-81-952744-9-9.

WORKSHOP/ SEMINAR ORGANIZED

3-Days Workshop for awareness in trends in technology on "Field-Driven Civil Engineering: Real-Time Applications & Execution Strategies" 18th-20th February 2026 through physical mode in the campus of ICFAI University, Tripura.

Details: The Civil Engineering Department organized a three-day workshop titled *"Field-Driven Civil Engineering: Real-Time Applications & Execution Strategies"* from 18–20 February 2026. The event was graced by the Chief Guest, Shri Chinmay Debnath, President, IBC and the Guest of Honour, Shri Kapil Baran Bhowmik, Vice President, NBIRT. Dr. A. Ranganath (Registrar) and Dr. Priyangshu Rana Borthakur (Dean FST) felicitated the guests on this occasion, followed by the ceremonial lamp lighting.

Subsequently, the Registrar, Dean, and distinguished guests addressed the participants, highlighting the importance and relevance of the workshop. The inaugural session was then concluded by the Head of the Department, Civil Engineering.

The workshop further included hands-on training sessions involving civil engineering students from various diploma institutes, including Gomati District Polytechnic, Udaipur; Tripura Institute of Technology, Narsingarh; TTAADC Polytechnic Institute; and North Tripura District Polytechnic, Dharmanagar. The sessions focused on steel structure building construction techniques; materials used in construction and the working principles of water treatment and sewage treatment plants.Some photographs from the workshop are presented below.


The Civil Engineering Department
The ICFAI University, Tripura
three days Workshop
on
Field-Driven Civil Engineering:
Real-Time Applications & Execution Strategies


The Civil Engineering Department
The ICFAI University, Tripura
three days Workshop
on
Field-Driven Civil Engineering:
Real Time Applications & Execution Strategies


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The ICFAI UNIVERSITY
TRIPURA


GPS Map Camera
Fatikchhara, Tripura, India
W8jq+qgx, Kamalghat, Fatikchhara, Tripura 799210, India
Lat 23.932422° Long 91.338643°
Friday, 20/02/2026 11:37 AM GMT +05:30
Google


Seminar conducted by the department on the topic "New Technologies in Housing Construction" on 21th January, 2026 (Wednesday).

Details: Shri S. K. Rampal, Chief Executive Officer of the Tripura Housing and Construction Board, Agartalaattended the seminar as the Chief Guest delivered a seminar on key projects and their advantages. He highlighted the Light House Project (LHP) in Agartala as a flagship initiative under PMAY-U, demonstrating innovative, high-quality and rapid construction techniques. Emphasizing sustainability, he discussed the use of technologies such as Light Gauge Steel Frame (LGSF) systems and treated bamboo roofing, which reduce environmental impact while ensuring durability. He also noted that these modern construction methods enable faster project completion with improved quality control compared to conventional practices, making them well-suited for urban development. Furthermore, he stressed that such technologies are particularly important for Tripura due to its high seismic vulnerability, as they provide safer and more resilient housing solutions.At the end of the session, he also interacted with the students and addressed their queries. Few photographs are presented here.


FACULTY DEVELOPMENT PROGRAMS ATTENDED

Palash Dey participated in the One-Week Faculty Development Programme on Sustainable Infrastructure Development organized by Department of Civil Engineering, Netaji Subhas University of Technology, West Campus, Delhi from May 26 to 30, 2025.

Palash Dey participated in the 5-day Faculty Development Programme (FDP), titled Advances in Intelligent Civil Engineering (AICE) - 2025 organized by Department of Civil Engineering at MITS - Deemed to be University held from September 10th to 14th, 2025.

Srinjoy Roy, 5-day Faculty Development Programme (FDP), titled Advances in Intelligent Civil Engineering (AICE) - 2025 organized by Department of Civil Engineering at Madanapalle Institute of Technology & Science (MITS) - Deemed to be University held from September 10th to 14th, 2025.

Srinjoy Roy, Participated in Laboratory Training Refresher Course on Integrated Laboratory Training on Analysis of Faecal Sludge: Guiding Professionals in Faecal Sludge Management, by Environment Monitoring Laboratory, Centre for Science and Environment, at Anil Agarwal Environment Training Institute (AAETI), Nimli Rajasthan 15th to 18th July 2025, Advances in Intelligent.

Subhrajyoti Deb, participated in the 5-day Faculty Development Programme (FDP), titled Advances in Intelligent Civil Engineering (AICTE) - 2025 organized by Department of Civil Engineering at Madanapalle Institute of Technology & Science (MITS) - Deemed to be University held from September 10th to 14th, 2025.

Ramu Debnath participated in the Five-Day Faculty Development Program on "Faculty Excellence through Soft Skills: Communication, Collaboration, and Beyond" at ICFAI University Tripura held from 14th to 18th July 2025.

Supradip Saha participated in the 5-day Faculty Development Programme (FDP), titled Advances in Intelligent Civil Engineering (AICE) - 2025 organized by Department of Civil Engineering at MITS - Deemed to be University held from September 10th to 14th, 2025.

TECHNICAL VISIT

Industrial Visit to CIPET and Tool Room & Training Centre, Agartala: A Step Towards Academic Excellence and Faculty Development.

Details: On 31st January 2026, an industrial visit was organized at CIPET Agartala and the Tool Room & Training Centre, Agartala. The visit was attended by the Hon'ble Vice Chancellor Prof.(Dr.) Biplob Halder, along with the Dean FST Dr. Priyangshu Rana Borthakur; Senior Professor Soumen Sanyal; HoD CE Dr. Palash Dey and HoD ME Dr. Amit Kumar Rana.

This visit was truly inspired by the Hon'ble Vice Chancellor's exceptional zeal for knowledge and his unwavering commitment to academic excellence. Even with his very busy schedule, he took time out and personally joined the visit with the team. His dedication to learning is truly inspiring. He not only focuses on his own growth but also always encourages faculty members to learn, explore, and improve. He continuously supports and guides them. So, this visit was not just an industrial visit, but also a good opportunity for faculty development.

At the beginning, Mr. P. Vijay Kumar, Joint Director & Head, welcomed and felicitated the Vice Chancellor. After that, Mr. Vijay Kumar and Mr. Manoj explained different plastic processing instruments. They also showed how useful daily items are made from waste plastic and virgin plastic. The session was very informative and useful.

Later, the team visited the Tool Room & Training Centre, Agartala, where Mr. Arindam Saha (Deputy Manager) and Mr. Suman Mondal explained the applications of different tools.

Overall, it was a very informative and valuable visit for everyone. Some beautiful moments have been captured through photographs, which are shared below.


APPROVED INTAKE
COURSES
INTAKE
60
60
सिपेट CIPET
सिपेट CIPET

Technical Exposure Visit of IBC (Indian Buildings Congress) to the Steel Structure Building Project at the ICFAI University Tripura Campus, followed by an Interactive Technical Session.

Details: Shri Chinmoy Debnath, President of Indian Buildings Congress (IBC) and former Superintending Engineer, PWD, along with Shri R.K. Majumder, IAS (Retd.), former Director of the UD Department, visited our department on 15th January 2026 (Thursday), accompanied by other members of the IBC. The visit was organized to facilitate a discussion on technical exposure related to a steel structure project at the ICFAI University Tripura Campus.

Following the discussion, the Head of the Department (HoD) and faculty members welcomed the guests and escorted them to the project site, where Mr. Dip Kumar Kundu, Site In-charge, was present. Mr. Kundu, along with the faculty members, explained the details of the construction site.After the site visit, the Registrar, Dean (FST), Principal (ITS), HoD (CE), faculty members, Mr. Kundu and the guests gathered in the conference hall, where further discussions took place. The session concluded with the felicitation of all the guests by the Registrar, Dean (FST), Principal (ITS), and HoD (CE). Some beautiful moments have been captured through photographs, which are shared below.


GPS Map Camera
Fatikchhara, Tripura, India
W8mq+339, Icfai Rd, Kamalghat, Fatikchhara, Tripura 799210, India
Lat 23.93296° Long 91.337391°
Thursday, 15/01/2026 02:26 PM GMT +05:30
Google


GPS Map Camera
Fatikchhara, Tripura, India
W8mq+339, Icfai Rd, Kamalghat, Fatikchhara, Tripura 799210, India
Lat 23.932937° Long 91.33739°
Thursday, 15/01/2026 02:25 PM GMT +05:30
Google

CONSULTANCY PROJECTS

Total Revenue Earned: 1,39,490.00/-

Sl. No	Name of Consultancy project	Organization	Faculties Involved	Income
1	Material Testing	Bhashyam Enterprises	Dr. Palash Dey; Dr. Ashim Paul and Dr. Bipul Sen	79,650.00
2	Material Testing	NB Institute For Rural Technology (NBIRT)		19,647.00
3	Vetting of foundation and structural drawing for construction of Artificial Climbing wall	DEBD Adventure and Tour Pvt. Ltd		15,000.00
4	Material Testing	The Tripura Heritage		23,600.00
5	Material Testing	Goldstone Cements Limited		1,593.00

INVITED AS GUEST / RESOURCE PERSON

Dr. Palash Dey, Assistant Professor & Head, Department of Civil Engineering, The ICFAI University Tripura, was invited as a Resource Person for a *One-Day Workshop on "ABAQUS Basics for Civil Engineers"*, held on 21st November 2025 at TTAADC Polytechnic Institute, Khumulwng, West Tripura.

Dr. Ashim Paul, Assistant Professor, Department of Civil Engineering, The ICFAI University Tripura, was invited as a Resource Person for a *One-Day Workshop on "Structural Analysis & Design using ETABS"*, held on 20th November 2025 at TTAADC Polytechnic Institute, Khumulwng, West Tripura.

Prof. Srinjoy Roy, Assistant Professor, Department of Civil Engineering, The ICFAI University Tripura, was invited as a Guest Lecturer during a 3-day training program (2 batches) on “Communication and Soft Skills” under RDSS scheme for TSECL employees - reg. Organised by the National Power Training Institute - NER (Ministry of Power, Govt. of India) on 23rd and 26th February 2026.

Dr. Subhrajyoti Deb, Assistant Professor, Department of Civil Engineering, The ICFAI University Tripura,had delivered an expert talk on the topic “AI Application in Civil Engineering”in the Seminar cum Career Counseling Session titled “Soft Skill Training and AI Application” at TIT Narsingarh on 17.02.2026.

Dr. Bipul Sen delivered a lecture at a Career Counselling Program held at North Tripura District Polytechnic on 24th February 2026, on the topic “Design Your Destiny: Career Prospects in the Field of Engineering”. The programme proved to be highly informative, engaging, and interactive, fostering meaningful discussions between the speaker and the participants.

FACULTY ACHIEVEMENTS

Prof. Supradip Saha received the **Best Paper Award** at the *4th International Conference on Advanced Communications and Machine Intelligence 2025,* organized by the ICFAI University Tripura and held from **22nd to 24th December 2025**.

STUDENTS ACTIVITIES

STUDENT ACHIEVEMENTS

- **Amit Saha** was awarded the Gold Medal as the Departmental Topper in the B.Tech. programme at the 20th Convocation held in 2025.
- **Akash Das** was awarded the Gold Medal as the Departmental Topper in the M.Tech. programme at the 20th Convocation held in 2025.
- One research scholar was awarded a Ph.D. degree.
- **Amit Saha** qualified in the *Graduate Aptitude Test in Engineering (GATE) 2025*.
- **Ria Chakma** qualified in the *Graduate Aptitude Test in Engineering (GATE) 2025*.
- **KwtharDebbarma** participated in the *5th West Tripura District Level Thang-Ta Competition 2025* and won a Gold Medal (State Level).
- **KwtharDebbarma** also participated in the *1st North-East India Zendokai Karate Championship 2025* and secured a Bronze Medal (National Level).

STUDENTS PARTICIPATION

Abani Tripura participated in essay competition on Topic: Future of Renewable Energy, organized by The Institute of Engineers (India), Tripura State Centre, Pandit Nehru Complex, Gurkhabasti, Agartala, 23rd June 2025.

Bapan Banik and Sourav Nama participated in Inter-College Competition in UTKARSH 4.0 on 23rd to 26th September 2025 at Tripura Institute of Technology, Narsingarh. Event Name: Model Competition.

Students from the Civil Engineering Department actively participated in an insightful seminar titled *"Bridging the Gap: Strategies for Transport Development in Tripura"* on 10th November 2025. The event was held at the seminar hall of The Institution of Engineers (India), Tripura State Centre, located at Pandit Nehru Complex, Gurkhabasti, Agartala. The seminar focused on innovative approaches and practical strategies to improve transport infrastructure in the region. Experts and speakers shared valuable knowledge on sustainable development and connectivity challenges specific to Tripura. The session provided students with a deeper understanding of real-world engineering applications and policy planning. It also encouraged interactive discussions, enhancing their learning experience beyond the classroom. The students shared several photographs capturing key moments and their active engagement during the event.

WINTER INTERNSHIP

Civil Engineering students actively participated in winter internships under the Smart City projects in Agartala, gaining valuable exposure to real-world engineering practices. During the internship, students learned about various aspects of construction sites, urban infrastructure

development and project execution. They observed modern construction techniques, quality control measures and safety practices implemented in ongoing projects. The program provided insights into planning, design and management of smart infrastructure systems. Students also interacted with field engineers and professionals, enhancing their practical understanding beyond classroom learning. The internship was conducted under the guidance and mentorship of faculty members, ensuring academic relevance and structured learning. Overall, this initiative helped bridge the gap between theoretical knowledge and field application, enriching the students professional skills and industry readiness. Some photographs given below:

TURNING WASTE INTO OPPORTUNITY: SUSTAINABLE RESEARCH IN CIVIL ENGINEERINGBY STUDENTS

The Department of Civil Engineering continues to strengthen its focus on sustainability-oriented engineering solutions through innovative academic research.

Ms. Samarpita Gupta, M.Tech Scholar in Water Resources Engineering (2024–26), is actively engaged in developing a low-cost and sustainable wastewater treatment approach using tea factory waste, an abundant agro-industrial by-product, as an eco-friendly adsorbent for pollutant removal. Her research findings have been communicated to a SCOPUS-indexed journal and are expected to be published soon.

SUSTAINABLE MATERIALS INNOVATION BY CIVIL ENGINEERING STUDENTS

A final-year B.Tech Civil Engineering student group, led by Mr. Arghajit Choudhury (23IUT0020082, Batch 2023–26), is actively working on the development of cement-free interlocking paver blocks manufactured using blended waste plastics and quarry stone dust for sustainable non-structural pavement applications. This initiative reflects the department's continuous commitment to sustainable construction materials, circular resource utilization, and environmentally responsible engineering education

CEMENT-FREE SUSTAINABLE PAVER BLOCK RESEARCH

PLACEMENT

Government Sector: Department congratulates the following B. Tech., Civil Engineering students on their selection as Junior Engineers (TES, Grade-V[A] and Grade-V[B]), 2025 in Civil Engineering, Govt. of Tripura.

Private Sector: Core companies such as PSP Projects, Star Cement, Shyam Steel, ORC Engineering, Nilasu, and G Cube Sticks Pvt. Ltd. etc., have recruited our students with CTC packages ranging from 3–6 LPA.

NEW LAB INSTRUMENTS

The Civil Engineering Department has recently strengthened its laboratory facilities with the addition of instruments including a Rebound Hammer, Sieve Shaker and Cement Tensile Testing Machine. These vital tools significantly enhance the department's capability to conduct testing of construction materials. The Rebound Hammer enables rapid in-situ assessment of concrete strength without causing damage, while the Sieve Shaker ensures precise and efficient particle size analysis of soils and aggregates. The Cement Tensile Testing Machine facilitates accurate determination of tensile strength, contributing to quality evaluation of cement. The integration of these instruments will support practical learning, research activities, consultancy work and quality control testing. Overall, these additions mark a significant step toward improving technical competence and hands-on experience for students.

Rebound Hammer

Sieve Shaker

Cement Tensile Testing Machine

OTHER ACTIVITIES

The Civil Engineering Department organizes career counselling session conducted by Dr. Palash Dey and Prof. Srinjoy Roy on 19th March 2026 for final-year students like every year. The main aim of these sessions is to guide students so that after completing their B.Tech degree, they can focus properly on building their careers. During these sessions, different career opportunities are discussed in detail, including options in the private sector, government sector and opportunities for higher studies. Students are encouraged to explore their interests and make informed decisions about their future.

Every year, Teachers' Day is also celebrated in the department with great enthusiasm. On this occasion, the importance and significance of Teachers' Day are discussed, helping students understand the role of teachers in shaping their lives. The celebration is followed by cultural programs organized by the students, which include performances like singing, dancing, and other creative activities. This creates a joyful and respectful environment for both teachers and students.

Along with academic activities, the department actively takes part in various social initiatives. One such activity includes interacting with school students and giving them an overall idea about engineering. This helps students who are interested in the field to become more motivated and gain a basic understanding of what engineering involves.

In addition to this, both teachers and students participate in tree plantation drives to promote environmental awareness and sustainability. The department also engages in charitable activities, such as providing essential materials and food to orphanages. These efforts reflect the department's commitment not only to education but also to social responsibility and community development.

A group photoshoot with final-year B.Tech students, faculty members and staff as a cherished memory. With this newsletter, we cherish the bonds and memories created over the years. May every student move forward with confidence and a bright future.