



ASSAM ENGINEERING INSTITUTE



অসম অভিযান্ত্ৰিক প্ৰতিষ্ঠান

(A Govt. of Assam Institution)

KALEIDOSCOPE

KALEIDOSCOPE 2024-25 | VOLUME-4

DEPARTMENT OF CIVIL ENGINEERING



Celebrating a year of achievements,
innovation, and growth



**DEPARTMENT OF CIVIL ENGINEERING – OVERVIEW**

DEPARTMENT OF CIVIL ENGINEERING, AEI

VISION OF THE DEPARTMENT

- To be a centre of excellence by providing education consistent with overall progress in Civil Engineering for the upliftment of the society.

MISSION OF THE DEPARTMENT

- To prepare students to supervise and work as a team in multi-disciplinary projects.
- To impart updated knowledge about the modern approach in construction methodology.
- To instill ethical values in Civil Engineering practice and its socio-cultural impact encompassing public utilities and services.
- To establish himself/herself as a proud citizen of the society in addition to technical competence.

PSOs OF THE DEPARTMENT

PSO-1: Apply technical knowledge and skills for supervising civil engineering constructions to meet the emerging needs of the society.

PSO-2: Practice civil engineering activities with ethical and professional standards understanding its impact in societal and environmental context.

PEOs OF THE DEPARTMENT

PEO-1: To apply the knowledge of Civil Engineering to solve problems of social & environmental relevance and for pursuing higher education.

PEO-2: To prepare for successful careers in industry or to become entrepreneurs.

PEO-3: To work effectively as individuals and as team members in multipurpose projects.



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ABOUT CIVIL ENGINEERING DEPARTMENT



Assam Engineering Institute was founded on 16th January, 1948 as Assam Civil Engineering School with just one programme that is Diploma in Civil Engineering. The department, evolved over a span of 7 decades to what it stands today as the largest department of the Institute with a student's intake of 90 and more.

The metamorphosis from slide rules to calculators, from black-board to smart board, from drawing boards to Auto-CAD, from input based education to output based education, from theory based education to skill based education has been a big one.

Civil Engineering Department of Assam Engineering Institute with a team of highly proficient teachers subscribes to the view that engineering is not just about mathematics and science but also about understanding society's problems and finding solutions.

It strives to give its graduates "WINGS TO FLY" with the right kind of technical knowledge and skills and "ROOTS TO STAY GROUNDED" with ethics and social values.





MESSAGE FROM THE PRINCIPAL

I am pleased to know that the Civil Engineering Department is bringing out the 2024–25 edition of its newsletter, Kaleidoscope. I congratulate the faculty members, students, and staff for their sincere efforts and dedication in making this publication a success.

This newsletter is a reflection of the department's achievements, creativity, and commitment to academic excellence. It provides a valuable platform to showcase the talents, innovative ideas, and activities of our students and faculty members throughout the academic year.

I am confident that Kaleidoscope will continue to inspire young minds to pursue knowledge, innovation, and excellence, while contributing positively to the growth and reputation of the institution. I wish the editorial team and the department all success for this wonderful initiative.

**PRINCIPAL
ASSAM ENGINEERING INSTITUTE
DR. HITESH TAHBILDAR**



**DR. HITESH TAHBILDAR
AEI, PRINCIPAL**

MESSAGE FROM THE HOD

It gives me immense pleasure to present the 2024–25 edition of the Civil Engineering Department newsletter, Kaleidoscope. I sincerely appreciate the efforts of the editorial team, faculty members, and students whose dedication and enthusiasm have made this publication possible.

This newsletter reflects the achievements, activities, and academic spirit of the department throughout the year. It showcases our continued commitment towards quality education, practical learning, and encouraging innovation and creativity among students.

I encourage all students to actively participate in academic and co-curricular activities and continue striving for excellence. May Kaleidoscope inspire everyone to contribute positively towards the growth and pride of the department and the institution.

**HOD, CIVIL DEPARTMENT
ANJAN BARMAN**



**ANJAN BARMAN
HOD, CIVIL DEPARTMENT**



MESSAGE FROM THE EDITOR

Welcome to the 2024–25 edition of Kaleidoscope, the official newsletter of the Civil Engineering Department. Like a kaleidoscope, civil engineering is all about creating new possibilities through innovation, creativity, and perspective. From shaping skylines to building resilient infrastructure, our field continues to evolve with every new idea and advancement.

This edition reflects the enthusiasm, achievements, and dedication of our students and faculty throughout the academic year. I sincerely thank everyone who contributed their time and effort to make Kaleidoscope meaningful and inspiring.

Keep learning, keep innovating, and keep building the future together.

JYOTI TAPARIA
EDITOR IN CHARGE



JYOTI TAPARIA
EDITOR IN CHARGE

MESSAGE FROM THE STUDENT EDITOR

It is a great privilege and honor to present the 2024–25 edition of Kaleidoscope, the official newsletter of the Civil Engineering Department. This publication reflects the journey, achievements, and collective efforts of our department throughout the academic year. It highlights not only academic excellence but also the creativity, dedication, and enthusiasm of our students and faculty members.

As student editors, we extend our heartfelt gratitude to our respected teachers for their constant guidance, encouragement, and support. We also sincerely thank all our juniors, seniors, and peers whose valuable contributions and active participation made this edition possible.

This newsletter captures the memorable moments, activities, and accomplishments that define the spirit of our department. We hope Kaleidoscope serves as a source of inspiration and pride for everyone associated with it, and motivates us all to continue learning, growing, and contributing towards the progress of our department.

STUDENT EDITORS
PRITAM DAS
MANSUMAN DAS



PRITAM DAS
STUDENT EDITOR



MANSUMAN DAS
STUDENT EDITOR

**MEET THE DEPARTMENT**

STANDING (Left to Right): Nabajyoti Deka, , Dipti Sharma, Hemanta Tahbildar, Ajanta Das, Jyoti Taparia, Pragati Talukdar, Juri Hazarika, Ajit Sarma

SITTING (Left to Right): Mokaddesh Hussain, Pradip Kalita, Dilip Kumar Baishya, Anjan Barman, Anita Saikia, Barnali Roy Choudhury

The Civil Engineering Department was the first to be established when the institute began on 16 January 1948 as the Assam Civil Engineering School. It was renamed the Assam Civil Engineering Institute in 1952 and received its present name in 1956. The department's student intake has evolved over time, starting with 30 students and ranging between 60 and 120; it currently admits 90 students. Initially staffed by a single lecturer, the department now has a Head of Department, 8 lecturers, and 2 senior instructors. Most faculty members hold master's degrees in specialized fields including Structural Engineering, Water Resources Engineering and Management, Building Construction, and Soil Mechanics & Foundation Engineering.



SITE VISITS AND INTERACTIONS



FRESH AIR PVT LMT FIELD VISIT

Industrial Visit on Waste Fresh Air Management

On 05th April 2025, the students of Civil Engineering Department organized an industrial visit to Fresh Air Waste Management Services Pvt. Ltd. along with faculty members. The visit provided students with practical knowledge about bio-medical waste management, pollution control systems, and modern waste treatment techniques used in industries.

About Fresh Air Waste Management

Fresh Air Waste Management Services Pvt. Ltd. is one of the leading organizations in the North-Eastern region working in the field of bio-medical and liquid waste management. The organization has been actively contributing towards environmental protection and pollution control through scientific waste disposal and treatment methods. During the visit, students observed various waste treatment processes and gained valuable industrial exposure related to environmental engineering and waste management practices.



SITE VISITS AND INTERACTIONS



SITE VISIT TO LPG BOTTLING PLANT AT INDIAN OIL CORPORATION LIMITED, BORAPANI (UMIUM), RI-BHOI DISTRICT, MEGHALAYA

Purpose of Site Visit - LPG Bottling Plant (Indian Oil Corporation Limited, Borapani) The purpose of the site visit to Indian Oil Corporation Limited LPG Bottling Plant at Borapani was to gain practical knowledge about the storage, handling, and bottling process of Liquefied Petroleum Gas (LPG). The visit helped us understand the working operations of the plant, including cylinder filling, safety measures, quality control, and distribution systems. It also provided exposure to industrial equipment, plant layout, and safety standards followed in real-life engineering practices. This visit enhanced our understanding of theoretical concepts by observing their practical application in the field.





SITE VISITS AND INTERACTIONS



FAREWELL TO BATCH 2022-25 – A JOURNEY TO REMEMBER



GAUTAM CONSTRUCTION RMC PLANT FIELD VISIT



STUDENTS VISITED ADVANTAGE ASSAM 2.0 MEETING



A SPECIAL CLASS ON TECHNICAL REPORT WRITING WAS CONDUCTED BY SHEHNAZ ROUFIQ SAIKIA.



NBA ACCREDITATION ACHIEVEMENT AFTER PARTY

**TEACHER'S DAY CELEBRATION 2024****TEACHER'S DAY CELEBRATION - 2024**

The students of the 3rd and 5th semesters of the Civil Engineering Department of Assam Engineering Institute celebrated Teacher's Day 2024 with a short and heartfelt programme held in Room No. 301. The celebration was organized specially for the department teachers as a token of gratitude and respect for their continuous guidance and support. During the programme, the students spoke about the importance of teachers in shaping their academic journey as well as their day-to-day lives. The event created a warm and cheerful atmosphere where students expressed their appreciation towards the teachers of the department.

The teachers also shared a few words with the students and thanked them for organizing the thoughtful celebration. The programme, though small and simple, reflected the strong bond and mutual respect between the students and teachers of the department.

The celebration concluded with a vote of thanks delivered by the Head of the Department (HOD), who appreciated the efforts of the students and conveyed best wishes to everyone present.



A HEARTFELT GOODBYE



BIDDING FAREWELL WITH GRATITUDE

On 4th March 2025, the students and teachers of the Civil Engineering Department bid a heartfelt farewell to our respected senior teacher, Roshanara Begum Ma'am, on the occasion of her retirement. The farewell programme was organised in Room No. 301 of the department in a short yet deeply emotional and memorable manner.

Roshanara Begum Ma'am has always been one of the pillars of the Civil Engineering Department. Known for her warm nature, kindness, and ever-smiling face, she touched the hearts of countless students throughout her years of service. Her affectionate guidance and caring personality made her not only a respected teacher but also a beloved mentor to all.

The farewell ceremony was filled with beautiful moments and heartfelt emotions. The teachers presented songs to honour her contribution, while Roshanara Ma'am herself delighted everyone by singing a song and joyfully dancing with the students, making the atmosphere even more lively and emotional. The entire programme reflected the strong bond she shared with both students and faculty members.

The farewell was truly heartwarming, leaving everyone emotional. Roshanara Ma'am expressed both happiness and sadness as she received such a warm send-off from the department she had devoted so many years to. With heavy hearts and immense gratitude, the students and teachers bid farewell to her, wishing her a joyful, peaceful, and healthy retired life ahead.

**74TH INSTITUTE WEEK****74TH INSTITUTE WEEK**

The 74th Institute Week was held at Assam Engineering Institute from 14th February 2025, with great enthusiasm and active participation from students of various departments. The week-long celebration provided a platform for students to showcase their creativity, talent, and teamwork through different cultural and literary events.

The Civil Engineering Department actively participated in several competitions, including the drama competition and the wall magazine competition. The department presented a drama based on the epic saga of Mahakumbh and the story of Samudra Manthan, which captivated the audience with its powerful portrayal and cultural significance. The department successfully secured the second prize in the drama competition.

In the wall magazine competition, the Civil Engineering Department prepared a wall magazine on the theme “অসমীয়া চলচিত্ৰৰ বৰ্ণিল যাত্ৰা”, depicting the colorful journey of Assamese cinema and its rich artistic heritage. The creativity and presentation of the wall magazine earned the department the first prize in the competition.

The department also showcased its innovation and technical skills in the technical exhibition and secured the second prize. In the sports category, the Civil Engineering Department achieved second prize in the cricket tournament.

Students of the department also participated in various other events conducted during the Institute Week and brought several accolades to the department.

Overall, the 74th Institute Week turned out to be a memorable and successful event for the Civil Engineering Department, highlighting the enthusiasm, talent, and collective efforts of its students.





74TH INSTITUTE WEEK ACHIEVEMENTS



2ND PRIZE IN TECHNICAL EXHIBITION



74TH INSTITUTE WEEK ACHIEVEMENTS



RUNNERS UP IN CRICKET (BOYS)



WINNERS IN VOLLEYBALL (BOYS)



74TH INSTITUTE WEEK ACHIEVEMENTS



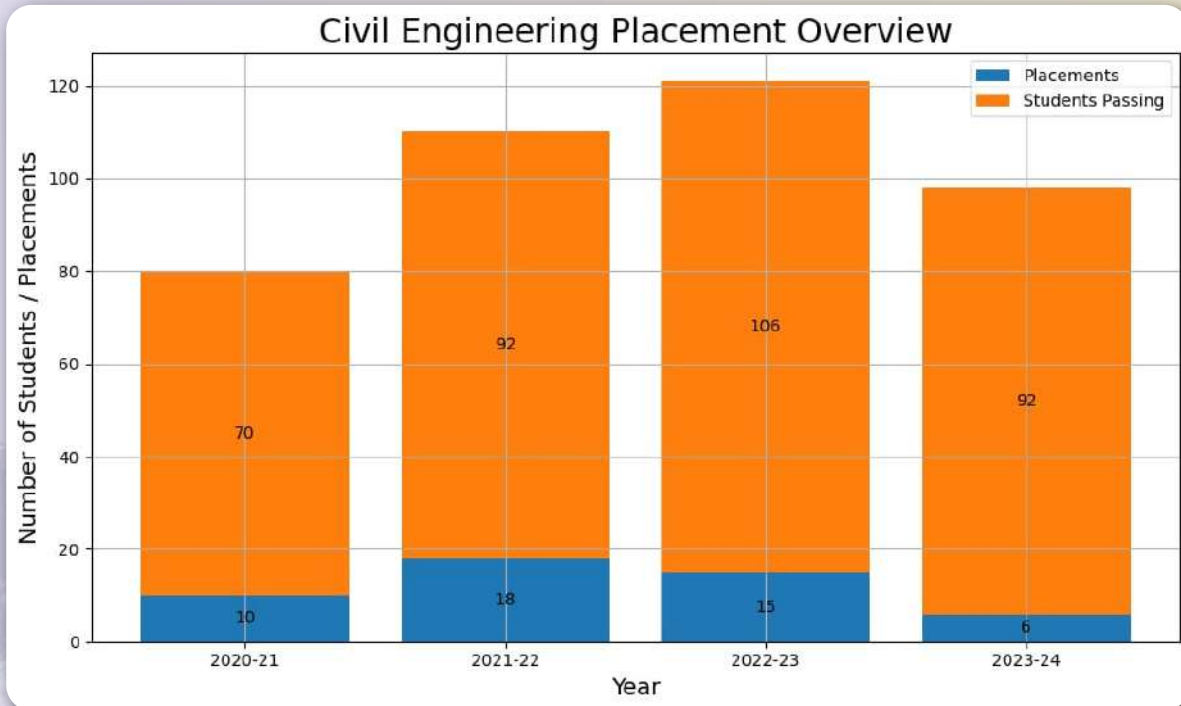
SECOND POSITION IN DRAMA



FIRST POSITION IN WALL MAGAZINE



PLACEMENT REPORT



CIVIL ENGINEERING PLACEMENT OVERVIEW

The placement report of the Civil Engineering Department of Assam Engineering Institute reflects the continuous efforts of the department in guiding students towards successful career opportunities. Over the academic sessions from 2020–21 to 2023–24, the department has maintained steady placement performance along with consistent student participation in higher studies and professional development activities.

The report highlights the growing technical competence, practical knowledge, and industry readiness of the students. Through academic excellence, project-based learning, field exposure, and career guidance initiatives, the department has successfully prepared students to meet the demands of the engineering and infrastructure sector. These achievements stand as a testimony to the dedication of both faculty members and students in achieving professional success.

**NEWSLETTER TEAM****NEWSLETTER TEAM 2024-25**

As we come to the end of the 2024–25 edition of our newsletter, we take this opportunity to express our sincere gratitude to everyone who contributed to making it a success. This newsletter is not just a collection of pages, but a reflection of the dedication, creativity, and teamwork of our department throughout the year.

We are especially thankful to our respected ma'am for her constant guidance, encouragement, and support at every step. We also extend our appreciation to all the students who worked enthusiastically behind the scenes, contributing their ideas, efforts, and time to bring this publication to life.

With gratitude and pride, we present this newsletter as a celebration of the memories, achievements, and experiences of the academic year 2024–25.

We would also like to extend our special thanks to those who played an important role in helping with the writing and preparation of this newsletter:

**DHRITIRAJ PATGIRI
DHIMAN DEORI
INDRANI KASHYAP**

*With gratitude,
The Newsletter Team*



KALEIDOSCOPE | 2024-25

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