



ASSAM ENGINEERING INSTITUTE

অসম অভিযান্ত্ৰিক প্ৰতিষ্ঠান

(A Govt. of Assam Institution)



# KALEIDOSCOPE

KALEIDOSCOPE 2025-26 | VOLUME-5

## DEPARTMENT OF CIVIL ENGINEERING

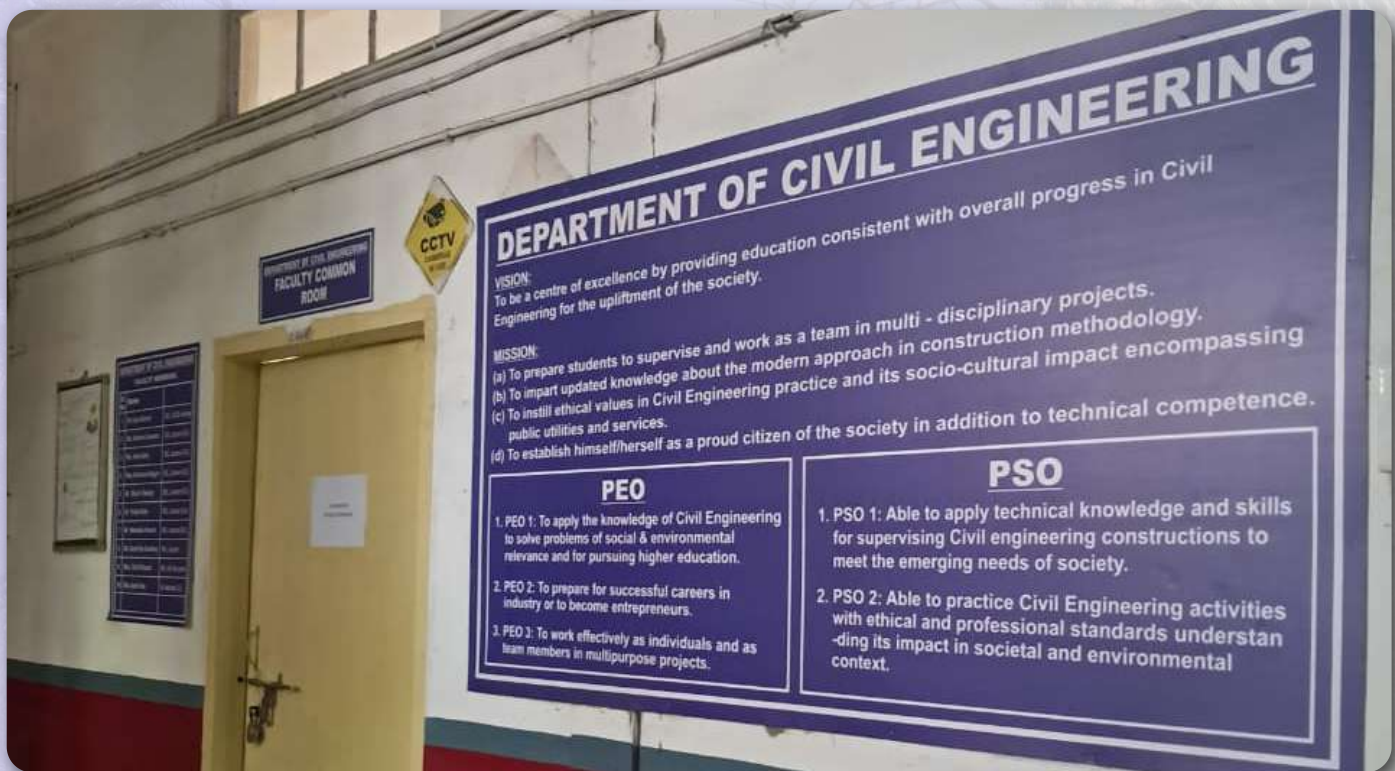


Celebrating a year of achievements,  
innovation, and growth





## 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.



# Contents

1. ABOUT CIVIL ENGINEERING DEPARTMENT
2. MESSAGE FROM A RETIRED FACULTY
3. MESSAGE FROM THE PRINCIPAL
4. MESSAGE FROM THE HOD
5. MESSAGE FROM THE EDITOR
6. MESSAGE FROM THE STUDENT EDITORS
7. MEET THE DEPARTMENT
8. SITE VISITS AND INTERACTIONS
9. TEACHER'S DAY CELEBRATION 2025
10. EXCURSION- SIKKIM DIARY 2025
11. 75<sup>TH</sup> INSTITUTE WEEK
12. 75<sup>TH</sup> INSTITUTE WEEK ACHIEVEMENTS
13. STUDENT PARTICIPATION
14. A TRIBUTE TO THE HEARTTHROB – ZUBEEN GARG
15. PLACEMENT REPORT
16. NEWSLETTER TEAM



## 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 100 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.*

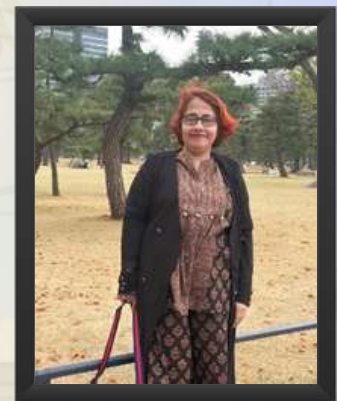
## MESSAGE FROM A RETIRED FACULTY

*I am extremely honoured, delighted and optimistic to learn about the publishing of the another edition of the Departmental Newsletter "KALEIDOSCOPE". Honoured that the legacy is being carried forward. Delighted because it not only showcases the various activities, experiences and accomplishments of the Civil Engineering Department but also celebrates the potential of creative minds to think individually yet work collectively to bring out new patterns.*

*In the ever changing shifting of patterns I am hopeful that the Civil Engineering Family will stand rooted to old legacies while adapting to new to symbolise growth and transformation so that we get to see an evolved version of "KALEIDOSCOPE".*

*My heartiest congratulations and infinite best wishes to each member of the family.*

**MS ROSHANARA BEGUM  
RETIRED LECTURER (CIVIL) , AEI**



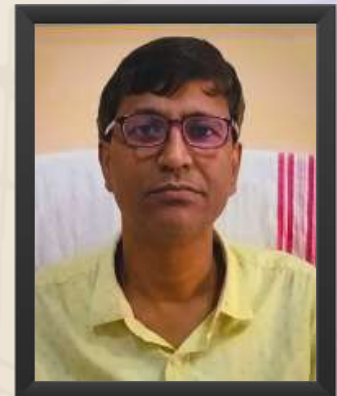
**MS ROSHANARA BEGUM  
RETIRED LECTURER**



## MESSAGE FROM THE PRINCIPAL

*I am delighted to know that the Civil Engineering Department is bringing out the new edition of its newsletter KALEIDOSCOPE for the academic year 2025–26. I extend my sincere congratulations to the faculty members, students, and all supporting staff for their dedication and efforts in successfully compiling this newsletter. This publication serves as a platform to showcase the talents, achievements, and innovative activities of the department. It also reflects the continuous progress and commitment of the department towards academic excellence and overall development. I am confident that this newsletter will inspire students and faculty members alike to strive for higher goals and contribute meaningfully to the growth of the institution.*

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



**DR. HITESH TAHBILDAR  
AEI, PRINCIPAL**

## MESSAGE FROM THE HOD

*It gives me immense pleasure to present the latest edition of the Civil Engineering Department newsletter KALEIDOSCOPE for the academic year 2025–26. I would like to appreciate the efforts of the entire editorial team, faculty members, and students who have contributed to making this publication a success. This newsletter highlights the achievements, activities, and vision of the department. It reflects our continuous efforts to provide quality education, practical exposure, and to encourage innovation among students. I encourage all students to go through the newsletter and stay motivated to actively participate in academic and co-curricular activities, thereby contributing to the pride and progress of the department.*

**HOD, CIVIL DEPARTMENT  
ANJAN BARMAN**



**ANJAN BARMAN  
HOD, CIVIL DEPARTMENT**



## MESSAGE FROM THE EDITOR

*Welcome to the latest edition of KALEIDOSCOPE, the official newsletter of the Civil Engineering Department. Much like the instrument our newsletter is named after, civil engineering is a beautiful interplay of shifting parts. We take the raw materials of the earth—stone, steel, and soil—and through a unique sequence of lenses, we create structures that define the skyline and systems that sustain life. When you rotate a kaleidoscope, a slight shift in perspective creates an entirely new pattern. In our field, a single innovation in material science or a new approach to urban resilience can redefine how we build for the future.*

*I want to extend a massive thank you to the students and faculty who contributed their time and insights to this edition. It is your curiosity that keeps the "KALEIDOSCOPE" turning. Keep building, keep questioning, and keep shifting the perspective.*

**JYOTI TAPARIA**  
**EDITOR IN CHARGE**



**JYOTI TAPARIA**  
**EDITOR IN CHARGE**

## MESSAGE FROM THE STUDENT EDITOR

*It is a great privilege and honor for us to present this edition of KALEIDOSCOPE for the academic year 2025–26. This newsletter is a reflection of the journey, achievements, and collective efforts of our department throughout the year. It captures not only academic excellence but also the creativity, dedication, and enthusiasm of our students and faculty.*

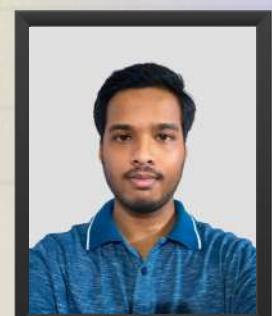
*We extend our heartfelt gratitude to our respected teachers for their constant guidance and encouragement. We also sincerely thank our juniors and peers for their valuable contributions, support, and active participation, which made this publication possible.*

*This edition showcases various activities, accomplishments, and memorable moments that define our department. We hope it serves as a source of inspiration, motivation, and pride for everyone associated with it. May it encourage us all to stay connected, strive for excellence, and continue contributing towards the growth 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, Raj Majumdar, 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



**SITE VISIT TO KARBI LANGPI HYDROELECTRIC PROJECT**

*On 24 September 2025, the Civil Engineering Department of Assam Engineering Institute organized a site visit for 5th semester students to the Karbi Langpi Hydroelectric Project in West Karbi Anglong, Assam. The visit aimed to provide practical exposure to hydroelectric power generation.*

*Commissioned in March 2007, the project has an installed capacity of 100 MW and is built on the Borpani River under APGCL. The concrete gravity dam, with a height of 54.5 m and a crest length of 221 m, maintains water levels required for power generation. The spillway consists of seven gates (12 m × 16 m each) for controlled discharge of excess water.*

*Students observed major components such as the intake system, a 4430 m long horse-shoe shaped tunnel, penstock pipes, and the powerhouse. The powerhouse operates with two Francis turbines connected to generators, producing electricity that is transmitted through a 220 kV system. The visit enhanced students' understanding of hydroelectric systems and provided valuable practical knowledge beyond classroom learning.*



## 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



ATTENDED A STATE LEVEL EXPO ON MSME GROWTH AND DEVELOPMENT



REGIONAL SEMINAR ON COIR GEOTEXTILES FOR INFRASTRUCTURE PROJECTS



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



ATTENDING LAGHU UDYOG BHARATI SEMINAR



ATTENDING DEPARTMENT OF HIGHER EDUCATION INTERNATIONAL CONFERENCE

**TEACHER'S DAY CELEBRATION 2025****TEACHER'S DAY CELEBRATION - 2025**

*The Civil Engineering Department celebrated Teacher's Day on 5th September 2025 in the college auditorium. The event commenced with an insightful speech by the Principal, highlighting the importance and role of teachers in shaping students' futures. Faculty members, including teachers from the Physics, Chemistry, and Humanities departments, along with the Civil Engineering faculty, were felicitated by the students as a mark of respect and gratitude. The celebration featured various cultural performances such as dance and singing, along with a magic show, all performed by students from different semesters of the Civil Engineering Department. Teachers also actively participated in the program, with some showcasing their singing talents, making the event more engaging and memorable. The program concluded with a vote of thanks delivered by the Head of Department (HOD), who appreciated the efforts of everyone involved in organizing the event.*



**EXCURSION- SIKKIM DIARY 2025****EXCURSION 2025**

*Every year, our department organizes an excursion for the final-year students, who are willing to join. This time, we had the opportunity to travel to Sikkim along with three of our faculty members. The trip was truly wholesome and unforgettable. From the soothing flow of the Teesta River to the breathtaking heights of Nathula Pass, every moment felt like a scene from a dream. The natural beauty of Sikkim, with its mountains, fresh air, and peaceful surroundings, left us all in awe. What made the journey even more special was the company. Being with our mates turned every small moment into a memory worth keeping. Our faculty members were not just guides but also companions who ensured our safety and comfort throughout, taking care of us. It wasn't just a trip; it was an experience filled with laughter, bonding, and beautiful memories that we will cherish forever.*





## EXCURSION- SIKKIM DIARY 2025



*-Beyond the mountains and valleys, this Sikkim trip gave us knowledge, experience, and memories that will stay with us forever.*

**75<sup>TH</sup> INSTITUTE WEEK****75<sup>TH</sup> INSTITUTE WEEK**

*The 75th Institute Week was held from 16th to 20th February 2026 at Assam Engineering Institute. The celebration witnessed enthusiastic participation from students across all departments, making it a vibrant and memorable event. The Civil Engineering Department actively took part in several competitions, including the drama competition and the wall magazine competition. The department presented a drama based on the love story of Usha and Aniruddha as well as Hari-Har Yuddha, set in Tezpur, which was well-received by the audience for its cultural essence and performance. In the wall magazine competition, the Civil Engineering Department showcased their creativity with a theme centered on Assam Tourism, highlighting the rich heritage, natural beauty, and cultural diversity of the state. The department achieved remarkable success by securing second prize in the drama competition and first prize in the wall magazine competition respectively.*



**75<sup>TH</sup> INSTITUTE WEEK ACHIEVEMENTS****1) ARNAB JYOTI KASHYAP**

- Secured 1st Position in 100 m in Running
- Secured 1st Position in 1600 m in Running
- Secured 2nd Position in 200 m in Running
- Secured 2nd Position in 800 m in Running
- Secured 2nd Position in High Jump
- Secured 3rd Position in Long Jump
- Secured 1st Position in Shot Put

Awarded **Best Athlete** for outstanding overall performance.

**2) DEBOJANI DHEKIYAL PHUKAN**

- Secured 1st Position in High Jump
- Secured 2nd Position in Long Jump
- Secured 2nd Position in 100 m in Running
- Secured 3rd Position in 200 m in Running

**3) SULTANA REJIYA**

- Secured 3rd Position in 100m in Running

**4) HIRAKJYOTI BANIA**

- Secured 1st Position in High Jump

**5) AMLANDEEP MORANG**

- Secured 2nd Position in Arm Wrestling

**6) HRISHIKESH DUTTA**

- Secured 1st Position in Discus Throw

**7) RISHA BURAGOHAHAIN**

- Secured 3rd Position in Shot Put

**8) JANIUR RAHMAN**

- Secured 3rd Position in Badminton (Singles)

**9) LIJA DEKA**

- Secured 2nd Position in Discus Throw

**10) SALMA NAJMIN**

- Secured 1st Prize in Photo Poetry Writing Competition



## 75<sup>TH</sup> INSTITUTE WEEK ACHIEVEMENTS

### 11) PHOTOGRAPHY

Secured 3rd Position in Photography by

1. PRIYAM KASHYAP
2. KRISH BARUAH
3. DISANKA DEKA
4. DIMPUN BANIA

### 12) VOLLEYBALL (GIRLS)

Secured 2nd Position in volleyball

### 13) CRICKET

Secured 2nd Position in cricket



RUNNERS UP IN CRICKET (BOYS)



WINNERS IN VOLLEYBALL (BOYS)



## 75<sup>TH</sup> INSTITUTE WEEK ACHIEVEMENTS



SECOND POSITION IN DRAMA



FIRST POSITION IN WALL MAGAZINE

**STUDENT PARTICIPATION****SNIGDHA BORUAH**  
6TH SEMESTER

*She was selected to represent Assam at the prestigious Viksit Bharat Young Leaders Dialogue held in New Delhi, a national platform dedicated to engaging young minds in shaping India's future development vision.*

*This event brought together dynamic youth leaders from across the country to exchange ideas, propose innovative solutions, and contribute to policy-level discussions.*

*Under her assigned track, she delivered a presentation on "Bharat's Soft Power: Cultural Diplomacy and Global Influence." It highlighted how India's cultural heritage—such as yoga, Ayurveda, arts, and traditions—plays a vital role in strengthening global relations and enhancing the country's international image. The experience provided valuable insights into India's growing influence and the role of youth in promoting it globally.*

*Bastab Kashyap participated in the Assam State Karate Championships 2025, held at Ganesh Mandir Stadium, Khanapara, from 26th to 28th December 2025. He delivered an impressive performance, demonstrating skill, discipline, and competitive spirit across multiple events.*

*He secured a Gold Medal in the U-21 Men's Individual Kumite (75 kg) category, showcasing remarkable strength, speed, and tactical excellence. Adding to his achievements, he also won a Gold Medal in the Senior (18+) Men's Team Kumite, contributing significantly to his team's success through coordinated performance and fighting spirit. In addition, he earned a Silver Medal in the Senior (18+) Men's Individual Kumite (75 kg) and another Silver Medal in the U-21 Men's Individual Kata, reflecting his versatility in both sparring and form-based events. Further highlighting his all-round capability, he secured a Bronze Medal in the Senior (18+) Men's Individual Kata.*

*His accomplishments at the championship stand as a testament to his dedication, consistent training, and passion for karate, bringing pride and recognition to his institution and the state.*

**BASTAB KASHYAP**  
4TH SEMESTER



## A TRIBUTE TO THE HEARTTHROB – ZUBEEN GARG

*19th September 2025 — remembering a day that never truly feels real.*

*It never feels like he has left us, because in so many ways, he hasn't. His voice still echoes across Assam, in every playlist and every heart that ever felt something through his songs.*

*There are artists who create music, and then there are souls who become music itself. Zubeen Garg belongs to the latter. A singer, composer, lyricist, and filmmaker - he shaped generations and redefined Assamese music, carrying it far beyond boundaries while staying rooted to his people.*



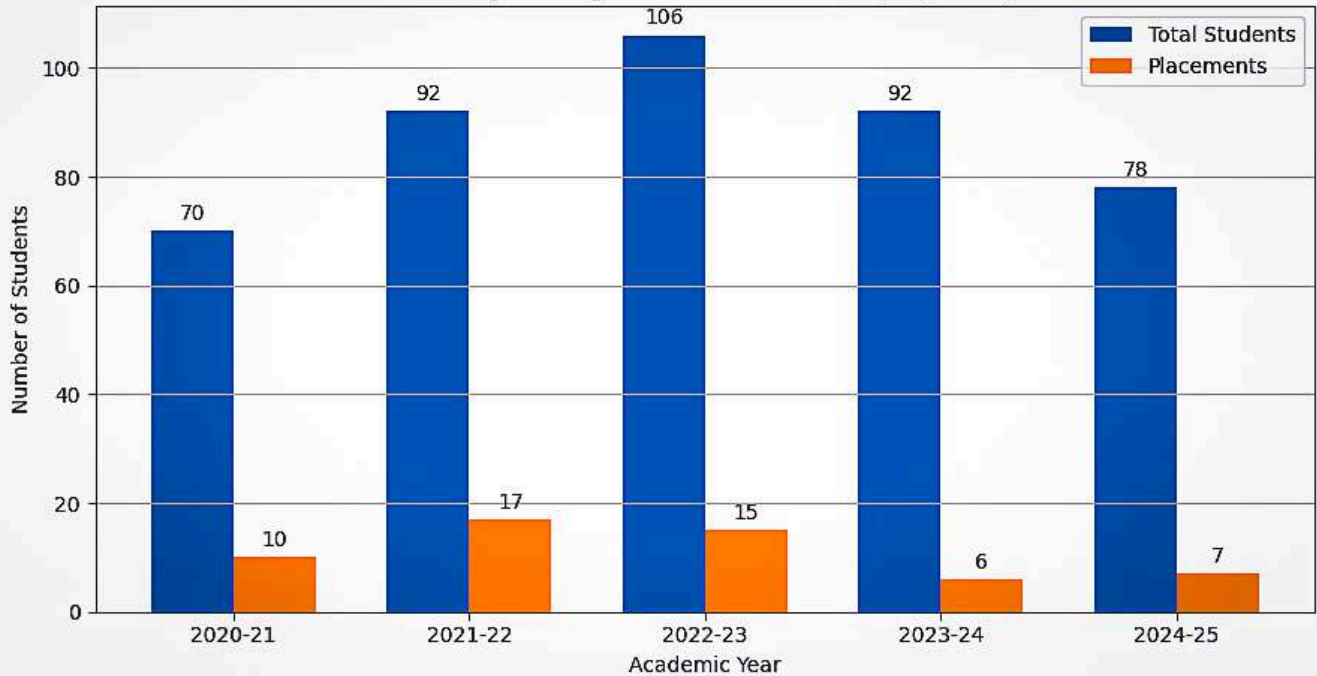
*As the evening unfolded, students, faculty, and staff gathered together in solemn remembrance, united by a shared sense of loss. Candles and diyas were lit in front of his portrait, their soft glow reflecting the emotions we struggled to put into words. The atmosphere grew heavy as many stood in silence, some with tears in their eyes, mourning not just an artist, but a voice that had been a part of our lives. To honor his legacy, students came forward to sing and perform some of his most cherished songs, turning grief into a heartfelt tribute. In those moments, it felt as though his music still lived among us, binding us together and reminding us that legends never truly fade.*





## PLACEMENT REPORT

### Civil Engineering Placement Overview



### CIVIL ENGINEERING PLACEMENT OVERVIEW

*The Civil Engineering Department of Assam Engineering Institute has demonstrated a dynamic placement trend over the past five academic years. The number of enrolled students increased steadily from 70 in 2020–21 to a peak of 106 in 2022–23, reflecting growing interest in the discipline. Correspondingly, placement numbers also improved, rising from 10 in 2020–21 to the highest of 17 in 2021–22.*

*However, while student intake remained relatively strong in subsequent years, placement figures showed some fluctuation. In 2022–23, 15 students secured placements, followed by a noticeable decline to 6 in 2023–24. The current academic year, 2024–25, shows a slight recovery with 7 placements so far.*

*Overall, the data highlights both the growth in student strength and the need to further strengthen industry connections and skill development initiatives to enhance placement outcomes. The department remains committed to improving career opportunities and preparing students to meet industry demands.*

**NEWSLETTER TEAM****NEWSLETTER TEAM 2025-26**

*As we bring this edition of our newsletter to a close, we would like to take a moment to express our heartfelt gratitude to everyone who contributed to making this journey meaningful and memorable. This final page represents not just a team, but a collective effort of dedication, creativity, and teamwork. From the students who worked tirelessly behind the scenes to our respected ma'am, whose guidance and support played a vital role in shaping this newsletter — each contribution has been invaluable.*

*This experience has been more than just creating a publication; it has been about learning, growing, and building something together. Every idea shared, every effort made, and every challenge overcome has added to the success of this newsletter.*

*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:*

**PALLAB DEKA  
SNIGDHA BORUAH  
INDRANI KASHYAP**

*Your support and contribution are truly appreciated and will always be remembered.*

*We sincerely thank all the members of our newsletter team for their commitment and enthusiasm. Your hard work truly made a difference.*

*With gratitude,  
The Newsletter Team*



# KALEIDOSCOPE | 2025-26

## Editorial Team (2025-26):

Jyoti Taparia (Editor In Charge)  
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KALEIDOSCOPE | 2025-26



GIVE US YOUR FEEDBACK