

KALEIDOSCOPE 2022-2023

(VOLUME II)

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

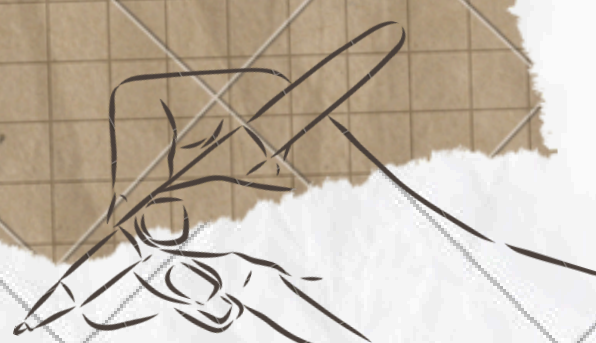
- To prepare student to supervise and work as a team in multi-disciplinary projects.
- To impart updated knowledge about the modern approach in construction methodology.
- To install ethical values in Civil Engineering practice & its socio-cultural impact encompassing public utilities and services.
-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

PROGRAMME EDUCATIONAL OBJECTIVES 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 multi-purpose projects.



WHAT'S INSIDE:

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- From the HOD's desk
- EDITOR speaks
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- words of wisdom from a retired faculty
- meet the department
- Department activities
- Industrial Visits
- visits and interaction.
- College week
- Students Participation IN VARIOUS EVENTS
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- Parents Teachers Meet
- Expert INTEGRATION
- ALL PoLy Meet 2022-23
- ALUMNI SPEAKS
- Lachit Divas Celebration
- FORTHCOMING EVENTS
- NEWSLETTER TEAM

<https://aei.ac.in>

MESSAGE FROM PRINCIPAL

I am very glad to know that the Civil Engineering department is bringing out the Newsletter named KALEIDOSCOPE.

I congratulate the faculty members, Students & other supporting staff for successful competition of the Newsletter.

I am sure that the newsletter will bring out the hidden talent of faculties, students and staff in the field of departmental activities and will also encourage the faculties and students to understand the different activities to be done for continuous improvement of the department.

Dr. Hitesh Tahbildar
Principal



MESSAGE FROM HOD:



I am delighted that our departmental Newsletter - KALEIDOSCOPE is ready to be published. It is a platform to display all departmental activities along with showcasing all the technical and non-technical achievements of students and staffs which show their hidden talents. The success brought by our multitalented students under the able guidance of faculty members makes our department proud.

Mrs. Manisha Sharma
HOD

WORK IS WORSHIP

MESSAGE FROM EDITOR

Dear Readers,

In the vibrant tapestry of our college community, each student weaves their unique thread, every corner of our campus pulsates with creativity and passion. Our newsletter serves as a canvas, showcasing the unique talents that flourish within our department.

We applaud the dedication and hard work of every student whose work graces these pages. As we turn the pages of this newsletter, let us take a moment to appreciate the richness of our community and the extraordinary talents of our peers. May this serve as a testament to the power of collaboration and the endless possibilities

Thank you to all the students who have shared their talents with us. Your voices are heard, your artistry is seen, and your contributions are deeply valued.

Sincerely,

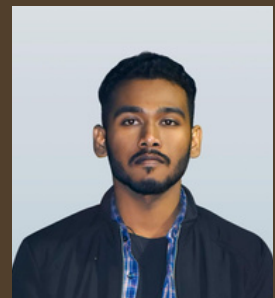
Dhriti Khaund

Lecturer, Civil Engg.



MESSAGE FROM STUDENT EDITOR

As we flip through the pages of this magazine, we take a moment to reflect on the journey that has shaped the 2022-2023 academic session at Assam Engineering Institute. This year has been one of resilience, innovation, and growth. Our classrooms, laboratories, and workshops have been arenas where theories meet practice, where curiosity drives invention. The Civil Engineering branch, which I am proud to represent, has seen the rising enthusiasm of students eager to learn. The vibrant campus life at Assam Engineering Institute provided a much-needed balance, offering platforms for creativity, leadership, and self-expression. As I pen this editorial, I cannot help but feel a deep sense of gratitude—towards our faculty, who have been our pillars of knowledge and guidance and towards the staff and administration.



STUDENT EDITORS:
ANUSHKA BHUYAN,
POONAM DAS &
DHRITIKESH DAS



প্ৰস্তাৱনা A DRAMATICAL PROLOGUE

অসম অভয়াল্লিক প্ৰতিষ্ঠানৰ
নঙলা গৰকি,
গৰ্বিত যৌৱনে চামে চামে
কৰ্মিত কৰিছে পথাৰখন।
তিৰবিৰাই থকা চকুবোৰে অহৰহ
ব্যৱহাৰিক অভয়াল্লিক শাখাত
আশাৰ ফুল ফুলাইছে।
খোজবোৰে লৰা ধপৰা কৰিছে
শ্ৰেণীকোঠা, ড্ৰইংহল, লেৱৰটৰি,
ৱকচ'প, চাৰ্ভেফিল্ড হৈ
প্ৰেক্ষাগৃহ, পুথুভঁৰাললৈ।
কিতাপৰ ফাউণ্ডেশ্যনত, দীক্ষাৰ পৰিচালনাত,
জিজ্ঞাসাৰ হুতাহত
আত্মত খোদিত হৈছে,
শ্ৰম আৰু দক্ষতাৰ
চিৰঞ্জীৱী মহামন্ত্ৰ।
সেই মন্ত্ৰধ্বনিত
জলসিঞ্চনৰ বাটেদি
অংকুৰিত বিজত প্ৰতিষ্ঠা হৈছে
সমাজৰ উৰ্বৰতা।
সৰু - বৰ আলিয়েদি আগবাঢ়ি যায়
ব্যৱহাৰিক অভয়াল্লিক শাখাৰ
গৌৰবিত সমদল।

পাহাৰ - ভৈয়াম হৈ
ৰাজপথে, ৰেলপথে
আগুৱাই
গড়কাপ্তানিৰ আৱাস সামৰি
জনস্বাস্থ্য কাৰিকৰি, উদ্যোগ, মথাউৰিৰ
তদাৰকেৰে নগৰ পৰিকল্পনা কৰি,
শ্ৰেণীকোঠাত অথবা ড্ৰইংহলত
কলভাৰ্ত বা দলংৰ অজুহাতত
আমিয়েই চিমেণ্ট হৈ বান্ধো
শিল, বালি, ইটা, লোহাৰ স্থাপত্য।
সেই তেতিয়াৰে পৰা এতিয়াও
লালিত পালিত হৈছে
ব্যৱহাৰিক অভয়াল্লিক পৰম্পৰা।
আগুৱাই যাও আমি
দেশৰ বাবে
দহৰ বাবে।
গতিশিলতা, তেজস্বিতা, নিপুনতাৰ
ভেটিত পৰিপক্ক আমি।
নিজহাতে ৰচো, গঢ়ো সমাজৰ সুচলতা।
আমাৰ শ্ৰমেৰে গঢ়ো আমি
উত্তৰণৰ জখলা।
কৰ্মজোগী আমি
শ্ৰমিক আমি
গৌৰৱ জ্যোতি আমি
আমিয়েই গড় দিও
কাৰিকৰী বিদ্যাৰে
ধুনীয়া ধৰণিৰ প্ৰস্তাৱনা।
হাঁহি, সপোন আৰু শ্ৰমৰ বাটত
সোণালী ধ্বজাবাহীৰ বৃন্দগীতে
পোহৰাই দেশৰ প্ৰগতি
এই গতি সেয়ে অনিৰুদ্ধ আমি,
অনিৰুদ্ধ আজি
অনিৰুদ্ধ আজি!

~ৰজলক্ষ্মী দত্ত গোস্বামী



MEET THE DEPARTMENT



STANDING FROM LEFT: ROSHANARA BEGUM, DILIP KUMAR BAISHYA, AJANTA DAS, PRADIP KALITA, BARNALI ROY CHOUDHURY, MOKADDES HUSSAIN, DHRITI KHAUND, ANJAN BARMAN.

SITTING FROM LEFT: RAJLAKSHMI DUTTA GOSWAMI, MANISHA SHARMA, BANDANA SARMA, ANITA SAIKIA



DEPARTMENT ACTIVITIES



DEPARTMENT OF CIVIL ENGINEERING

Our department is involved in a variety of activities, ranging from academic projects to real-world consultancy, as well as student-led initiatives such as workshops, technical fests, and seminars.

Through these initiatives, we aim to foster innovation and creativity, preparing students to tackle the challenges of modern infrastructure and sustainable development. Explore our website to stay updated on the latest events, academic programs, and achievements of our faculty and students.

STAR CEMENT LIMITED

INDUSTRIAL VISIT

THE STUDENTS OF 4TH SEMESTR OF THE YEAR 2022-23 VISITIED STAR CEMENT FACTORY AS PART OF THEIR PROFESSIONAL PRACTICE COURSE







VISITS AND INTERACTIONS



ZOO ROAD BRIDGE



STAR CEMENT



Maligaon flyover



ENGINEERING INSTITUTE
ARI, GUWAHATI-781003

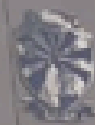
1942



INTERNSHIPS



ASSAM ENGINEERING INSTITUTE
CHANDMARI, GUWAHATI-781003



Est'd. 1942

2022-2023

COLLEGE WEEK

“Success is great, but even greater with a great Department”



**COMING TOGETHER IS A BEGINNING.
KEEPING TOGETHER IS PROGRESS
WORKING TOGETHER IS SUCCESS**



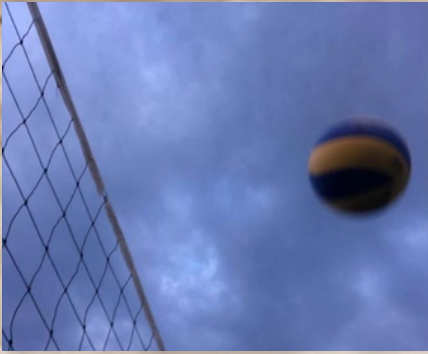
CIVIL DEPARTMENT

ALONE WE CAN DO SO LITTLE, TOGETHER WE CAN DO SO MUCH

COLLEGE WEEK ●

2022-2023

● VOLLEYBALL



**CIVIL ENGINEERING
BRANCH HAS BEAT
EVERY BRANCH AND
HAS ACQUIRED
VICTORY. 6TH
SEMESTER
STUDENTS HAVE
ACQUIRED 1ST
POSITION IN
VOLLEYBALL
COMPETITION .**

A team that works
together can
accomplish anything!

METROMAG

**“NOBODY WHO EVER GAVE
HIS BEST REGRETTED IT.”**



**“ THIS QUOTE HAS BEEN PROVEN BY OUR
CIVIL ENGINEERING DEPARTMENT**



CIVIL DEPARTMENT

CRICKET

2022-23

"Cricket: Where a single shot can change the entire match."



4th semester Civil branch got 1st position in cricket defeating the other teams of 4th semester just as the previous years.

2nd semester Civil branch has again got the 1st position in cricket .

"Talent wins games, but teamwork and intelligence win championships."



FOOTBALL

2022-2023



**CIVIL BRANCH SECURED
SECOND POSITION IN
FOOTBALL MATCH**

**SUCCESS IS A PROCESS FOR ALL
OF US AND AS LONG AS WE ARE
MAKING CONSISTENT PROGRESS
TOWARDS OUR GOAL-SINCERELY
GIVING OUR BEST EFFORT-THEN
WE ARE ALREADY SUCCESSFUL
AND DESERVE TO FEEL PROUD OF
OURSELVES**

**No one can whistle a symphony
it takes a whole orchestra to play it**

CULTURAL DRAMA



**THE TRUTH IS THAT THE
TEAMWORK IS AT THE HEART OF
GREAT ACHIEVEMENT !**



Civil branch have become the first team in college history by always winning and acquiring the first position in the CULTURAL DRAMA continuously for 9 years.

**FEW OF THE
WINNERS**

TABLE TENNIS

Nawaz Alam won the first position in table tennis from our civil engineering branch

SAREE DRAPING -

"A saree is not just a garment. It's a power, an identity, a language." Shemim Azma gaining the 1st position in the saree draping competition.

MUSICAL CHAIR

The musical chairs game helps your child develop patience and control their emotions. Civil branch student of 6th semester JESMIN NEHAR won the Trip to Jerusalem or musical chair competition followed by PRIYANKA KALITA of 6th semester with 3rd position.

PERSONALITY CONTEST

Personality tests can boost confidence because they are designed to reveal your strengths so you can leverage them to transform your life.

ENGINEERING INSTITUTE
ARI, GUWAHATI-781003

Estd. 1948

2022-2023

Poem recitation

1ST POSITION
2ND POSITION -ANKUR TISSOPI OF
6TH SEMESTER

TUG OF WAR BOYS

CIVIL BRANCH 6TH SEMESTER
STUDENTS WON THE 1ST
POSITION IN 6TH SEMESTER TUG
OF WAR COMPETITION. CIVIL
BRANCH 4TH SEMESTER
STUDENTS DEFEATED ALL THE
STUDENTS OF OTHER BRANCH
AND MADE THE CIVIL
ENGINEERING BRANCHES OF
4TH SEMESTER PROUD BY
GAINING THE 1ST POSITION
THERE.

Tug of war (GIRLS)

2ND POSITION - STUDENTS OF 2ND
SEMESTER WON THE 2ND POSITION IN
THE SAME

ARM WRESTLING

1ST- RUPAMJIT SAHARIA (6TH SEM)
2ND- MANASHA PRATIM(2ND SEM)
3RD-BHASKAR JYOTI DAS (4TH
SEMESTER)

POEM WRITING

2ND- ASHMITA KALITA(4TH
SEMESTER)
3RD- DARSHNA BAISHYA(2N
SEMESTER)

KABBADI (GIRLS)-

2ND SEMESTER GOT THE 2ND
POSITION

RACE(GIRLS)

1ST- DIKSHITA DAS IN
100M,200M AND 400M RACE

2ND- DARSHNA BAISHYA

RACE (BOYS)-

1ST- SAFIAN BHUYAN

2ND-RAMEN DEKA(1600M AND
800M)

3RD-RIMSON RABHA(400M)

LONG JUMP

1ST PRIZE- RAMEN DEKA OF
6TH SEMESTER

STORY RECITATION-

3RD-DARSHANA BAISHYA

JAVELIN THROW-

1ST- JIGYASH PRAN
HAZARIKA

DEBATE

COMPETITION-

1ST-DHIMAN DEORI

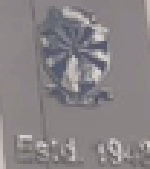
DANCE-

2ND-RIPAN PATHAK(4TH
SEM)

STORY WRITING

3RD-DARSHANA
BAISHYA

ENGINEERING INSTITUTE
CHANDMARI, GUWAHATI-781003



BLOOD DONATION CAMP PROGRAM:

Blood donation camp programme: Blood donation is crucial in saving lives, as blood cannot be manufactured artificially and can thus be obtained only from human blood sources. Blood transfusion is an essential medical procedure conducted with various purposes to provide patients with blood needed. The procedure saves patients' lives, as blood cannot be manufactured artificially and can only be obtained from human blood sources.

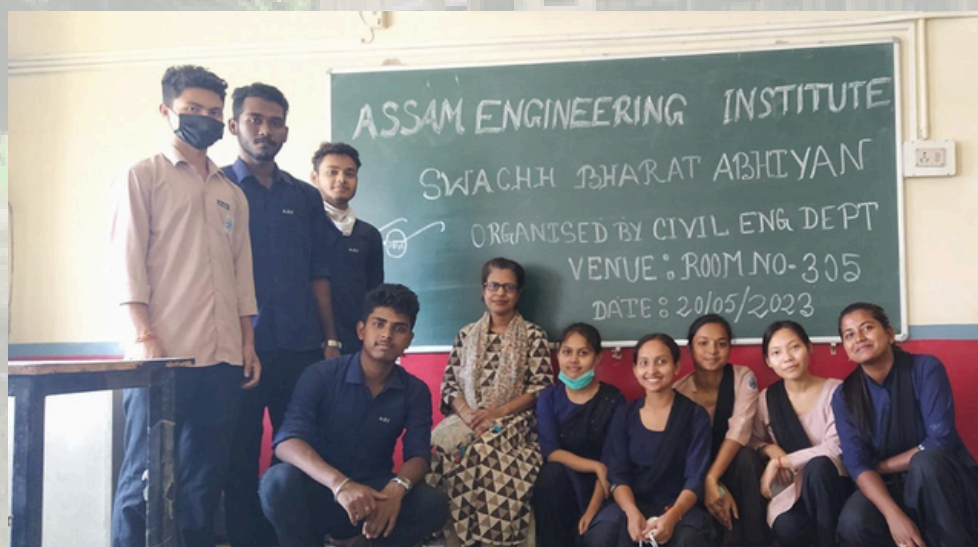


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CLEANLINESS PROGRAMME

A students cleanliness programme on was organised on by the Civil Department of Assam Engineering Institute for the health and safety of the students . Maintaining a clean college environment sets a good example to students.



PARENT-TEACHER MEETING



Parent-Teacher meetings were organised by the CIVIL ENGINEERING DEPARTMENT of the college which were attended by parents, teachers and students, and representatives of the College authorities in order to ensure collaborative effort between all parties for the all round development of the students and their performance level and also of the college as a whole.





THERE IS SOMETHING INFINITELY HEALING IN THE REPEATED REFRAINS OF NATURE—THE ASSURANCE THAT DAWN COMES AFTER NIGHT, AND SPRING AFTER WINTER. —RACHEL CARSON

PLANTATION DRIVE



Civil engineering branch organised a tree plantation drive with an aim to celebrate World Environment Day. The faculty and students from the department and various other departments took part with great enthusiasm. The day was celebrated with an objective to raise awareness among people to protect the environment by looking at various problems regarding scorching issues of environmental pollution, drastic climatic changes, green house effects, global warming etc. among human beings



THE GREENER THE SETTING,
THE MORE RELIEF

EXPERT INTEGRATION

2022-2023

Hands on training on NDT and its practical applications by Mr. Animesh Deka and Mr. Rafikul Haque

THE Events

Rebound Hammer Test



Ultrasonic Pulse Velocity Test

2022 - 23

ALL POLYTECHNIC MEET



GLIMPSES



ALUMNI DIARY

- FROM AEI TO TECHNICAL UNIVERSITY , MUNICH

-
- The journey began as I reluctantly joined the Programme Diploma in Civil Engineering at AEI due to circumstances beyond my control. From a student with little interest in the subject initially, I found my perspective gradually transforming with the passing of each semester. I was drawn to the diverse aspects of Civil Engineering. After completion of my Diploma, I joined BTech via lateral entry at Assam Engg College, Guwahati. Initially, the extensive syllabus appeared daunting compared to my earlier studies. However, as time progressed, pieces of the puzzle began to fit together. I realized that topics common to certain subjects didn't require excessive effort to grasp, as the foundation had already been laid during my diploma days. I'm thankful for all the efforts put in by my teachers at Assam Engg Institute and their unwavering dedication to make the concepts clear which eventually helped me in the long run for a seamless transition from Diploma to Degree. Furthermore , my life is an epitome of adjustment and adaptation much of which I have acquired during my Diploma days from my teachers. Gratitude fills my heart for the Alma Mater and my teachers as I'm on my way to Germany to pursue MS in Environmental Engineering at Technical University of Munich for inculcating in me the love for learning .

AMLAN JYOTI KALITA
Alumni

Student Project Reports

The importance of student project reports cannot be overstated, as they play a crucial role in academic and personal development. These reports allow students to apply theoretical knowledge to practical problems, enhancing critical thinking and problem-solving skills. Furthermore, project reports foster creativity, research abilities, and discipline, preparing students for future professional challenges. They also provide a platform for demonstrating individual innovation and teamwork, contributing significantly to a well-rounded education

PO's & PSO's Covered

The student projects are assigned to them considering both their interest as well as assuring that their projects align with at least one of the various PO's (Program outcomes) or PSO's(Program specific outcomes) to ensure that at the end of their 3 year course they have at least achieved one of the various PO's and PSO's of the department

- PO1
- PO2
- PO3
- PO4
- PO5
- PO6
- PO7
- PSO1
- PSO2

PROJECTS

- Preparation of model for ductile detailing as per IS CODE : 13920-1993
- Pavement design of paver block road (AEI ROAD) and its estimation
- Study and analysis of water samples collected from different locations of river Brahmaputra around Guwahati city to determine the quality of water for drinking purposes
- A project report on ductile detailing of beam column joint with a 3D model
- Comparative analysis of OPC & PPC for Building Construction work
- Mix Design of concrete
- Effect of admixtures (as cement and lime) on soil stabilization
- Cracks on RCC Structures
- Box culverts and its estimate

লা চি ত ব ব ফু ক ন ব ৪০০ ত ম জ ন্ম বা ষি কী



On the occasion of 400th birth anniversary of Bir Lachit Borphukan various competitions were organized dedicated to his selfless and courageous deeds



ALUMNI INTERACTIONS



TRISHNA DAS & SABRINA RAHMAN



RAKTIM KUMAR DAS



AMLAN JYOTI KALITA

NEWSLETTER TEAM



We are grateful for the opportunity make this newsletter and support the Civil Engineering Department. It is a privilege to be part of this project, our commitment is to provide our utmost best. Thank you for this wonderful opportunity given to us by our teachers.

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Special thanks to editorial team:

**Himangshu Bora
Nilim Patgiri
Priyojyoti Brahma
Neelabhjyoti Sharma**

**Azmin Sultana
Devid Patgiri
Deepshika Barman
Udipta Nayan Gogoi**

For their contributions to the making of the Kaleidoscope.