

TCEA

**NEWS LETTER OF CIVIL ENGINEERING DEPT.
VOLUME 1 | 2022**

INSIGHT

A PERFECT INSIGHT OF WHAT'S GOING INSIDE

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Editorial Team

1. Dr. Arpan Laskar

(HOD of Civil engg. Dept. TCEA)

2. Mr. Avik Paul

(Asst. Prof. of Civil Engg. Dept. TCEA)

3. Mr. Deep Chakraborty

(Asst. Prof. of Civil Engg. Dept. TCEA)

4. Somali Roy Choudhury

(Civil Engineering, 4th year)

5. Priya Biswas

(Civil Engineering, 4th year)

6. Priyasha Debnath

(Civil Engineering, 4th year)

7. Pritha Sengupta

(Civil Engineering, 3rd year)

8. Shibajyoti Sen

(Civil Engineering, 3rd year)

VISION :

To become a centre of excellence in imparting technical education and research to meet the current and future challenges in civil Engineering.

MISSION :

1. To produce technically strong students with high evaluation capability by providing excellent lab facilities.
2. To instil moral and ethical values among the students.
3. To ensure excellent teaching quality by providing competent faculty in the area of civil engineering and providing a teaching-learning environment in the institute.
4. To provide regular industrial exposure to the student.
5. To support students to pursue higher education and participate in various career-supportive courses.
6. To mentor students for innovative thinking with relevance to entrepreneurship.



MESSAGE FROM PRINCIPAL'S DESK



Dr. Dibakar Deb
(Principal, TCEA)

It is a matter of great pride and satisfaction that "Insight", the first newsletter of the Civil Engineering Department, is about to be published. I'm sure the Departmental newsletter will send a positive signal among the students, faculty members, and individuals who are interested in technical education and Technology based activities. A Departmental News Letter is like a mirror that reflects a clear picture of all sorts of activities undertaken by a Department. I congratulate the HOD, Faculty members, and my students of the Civil Engineering Department to take the initiative of publishing the newsletter. With Best Wishes.

MESSAGE FROM HEAD OF THE DEPARTMENT



Dr. Arpan Laskar
(H.O.D. Civil Engg. Dept., TCEA)

It gives me immense pleasure to announce that the Department of Civil Engineering of Techno College of Engineering Agartala is publishing the 1st issue of INSIGHT, the annual newsletter of the Civil Engineering Department. This issue reflects all the significant events taking place in the department over the last two semesters.

I am very happy to report that we, the department of Civil Engineering, organized a number of events on a plethora of topics keeping in mind student welfare and development.

I am also delighted to add that the department of Civil Engineering, TCEA, has signed a memorandum of understanding with CSIR, NEIST Jorhat to establish a seismic observatory station on the TCEA campus. The Seismic Observatory will help us to understand the seismicity of the region and to decipher the seismic structure of the region.

I congratulate the entire Civil Engineering department including faculties, staff, and students for their contribution to department activities and look forward to future developments.

"The road to success is always under construction"
-Civil Engineering

MESSAGE FROM EDITORIAL TEAM MEMBERS



ADVISOR

DR. ARPAN LASKAR (*HOD OF CIVIL ENGG. DEPT. TCEA*)

MR. DEEP CHAKRABORTY (*ASST. PROF. OF CIVIL ENGG. DEPT. TCEA*)

MR. AVIK PAUL (*ASST. PROF. OF CIVIL ENGG. DEPT. TCEA*)

EDITORIAL TEAM

SOMALI ROY CHOUDHURY (*C.E. 4TH YEAR*)

PRIYA BISWAS (*C.E. 4TH YEAR*)

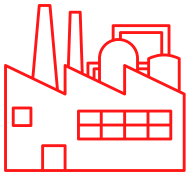
PRIYASHA DEBNATH (*C.E. 4TH YEAR*)

PRITHA SENGUPTA (*C.E. 3RD YEAR*)

SHIBAJYOTI SEN (*C.E.C.A. 3RD YEAR*)



We the students of *CE* and *CECA* department are extremely delighted to be a part of this newsletter. We have been able to discover new dimensions of our college and ourselves while curating this newsletter "*INSIGHT*", and we are looking forward to make this publish a huge success.



INDUSTRIAL VISIT

SITE VISIT AT SEWAGE TREATMENT PLANT, MAILAKHALA



Industrial visits provide the students with an opportunity to learn practically through interaction, working methods and employment practices. It gives the students an exposure to current work practices along with theoretical knowledge being taught at their college classrooms.



Textbook and classroom knowledge aren't the sole necessities for a student to excel academically and professionally. Exposure to industries, where one can see and go through some real time work and experience, is really important for the holistic development of an engineering student.

A day off from the usual routine and witnessing people working in real life may prove to be an excellent idea to gain some first-hand experience in their field of studies.



The Civil Engineering department of TCEA organized an industrial visit to the Sewage Treatment Plant. All the students of CE branch along with their two mentors went for the visit where they gained some in depth knowledge regarding the sewage treatment procedure. In the STP, guides were present to explain everything to the students starting from the very basics of concepts. Overall, it was an excellent experience for the students where they were able to understand a lot of new things and also could apply their textbook knowledge into practice.



POSTER MAKING COMPETITION



This year the Civil Engineering department of TCEA organized a poster making competition for spreading awareness about the World Environment Day.

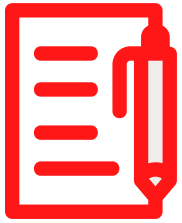
Every institution such as schools, colleges, offices etc. tends to do their part by participating in various kinds of programs related to saving our environment and to make it more sustainable.



World Environment Day (WED) is celebrated annually on 5 June and is the United Nations' principal vehicle for encouraging awareness and action for the protection of the environment. As there is no planet B and hence we should always think of some ways to help our only planet to stay well and safe.



All the students participated with full enthusiasm and made sure to give their best in the competition. The overall process was very pleasing to see. This jubilant occasion helped to bring everyone together to enhance their teamwork and leadership qualities.

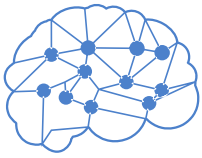


QUIZ COMPETITION



An quiz competition was organized by Asst Prof Ranjit Das. This event was conducted to encourage the students of Civil Engineering Department for enhancing the knowledge about the surrounding world. Quizzes can help students in practising their existing knowledge while stimulating interest in learning about new subject matter.

Students also get to know more about the events that are happening in the outer world it spreads awareness among the students. regarding surrounding environment. The competition was all fun and very interactive. The winners and runner ups were also awarded with gifts to appreciate their participation and enthusiasm.



NATIONAL TECHNOLOGY DAY



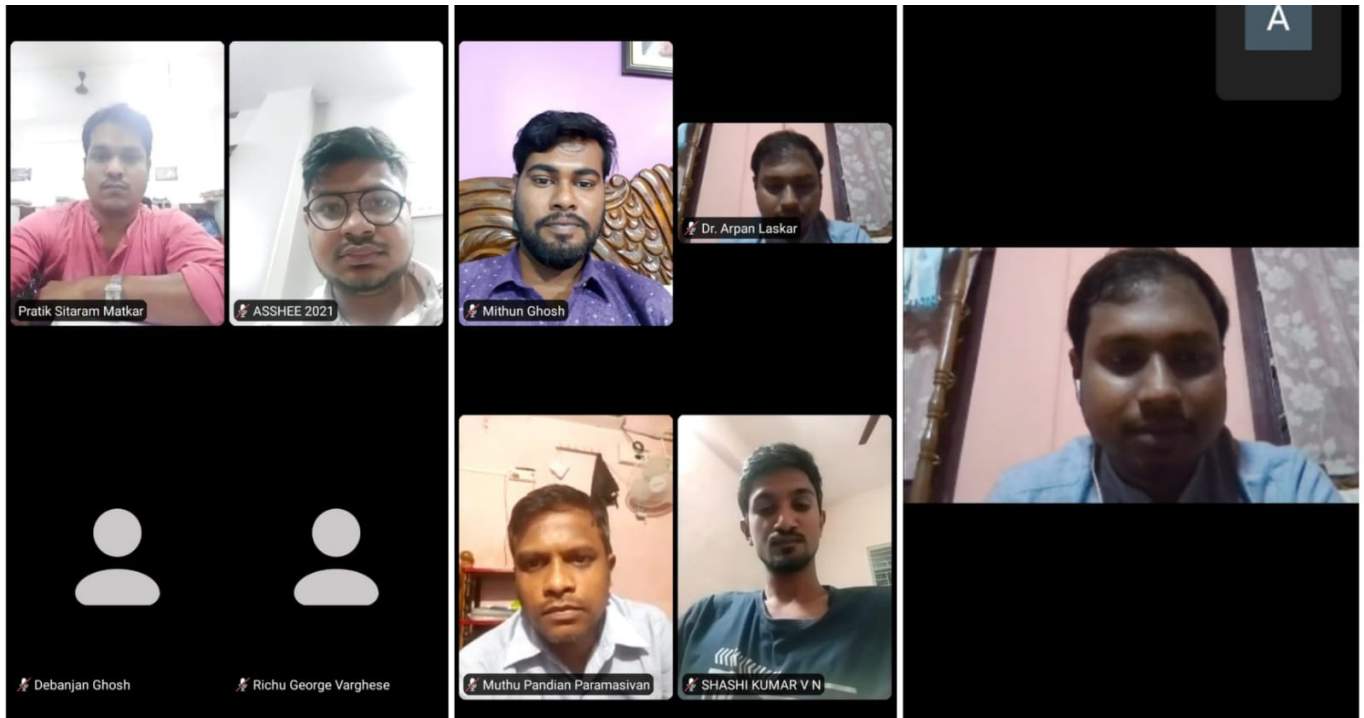
National Technology day was conducted at Techno Collage Of Engineering, Agartala.

National Technology Day is observed on 11th May. very year, the Technology Development Board of India (a statutory body under the Ministry of Science and Technology) celebrates the day by awarding individuals with the National Award for their contribution to science and technology in India.



The focus this year is 'Integrated Approach in Science & Technology for Sustainable Future'.

FACULTY DEVELOPEMENT PROGRAM



A 5-day Faculty Development Program, organized by the Department of Civil Engineering was held in Techno College of Engineering Agartala from 2nd May to 6th May 2022. The broad area selected for the FDP was “FDP on Infrastructure Development in Civil Engineering” which is a key topic in the field of Civil Engineering as well as society. The mode of the program was online. Experts from different institutes presented their valuable knowledge and contribution as well as future prospects and perspective regarding the scenario.

Students from TCEA as well as other colleges/Institutes participated in this FDP and got the opportunity to learn and understand different key concepts of the present and future Infrastructure development. E-Certificates were issued to all the participants who registered and actively participated throughout the Program and made it a successful one.



UTTHAN 1.0



Utthan is a awareness program for the SC and ST students. This program is basically for those who are eligible for stipend but due to the lack of awareness they can't apply for the stipend. Utthan was organized by Asst Prof Ranjit Das. It made the students aware about all the stipend they can apply for. This stipend amount is a pre-determined sum paid by the scholarship department to aid academic expenses. Usually stipend are paid to that category of students who are unable to bear the expenses of studies. This amount paid can be used for bearing the expenses of education and other miscellaneous expenses.

This program not only made the students aware of the scholarship schemes available but also motivated the students to apply and search for relevant schemes and scopes that might be beneficial for a student.

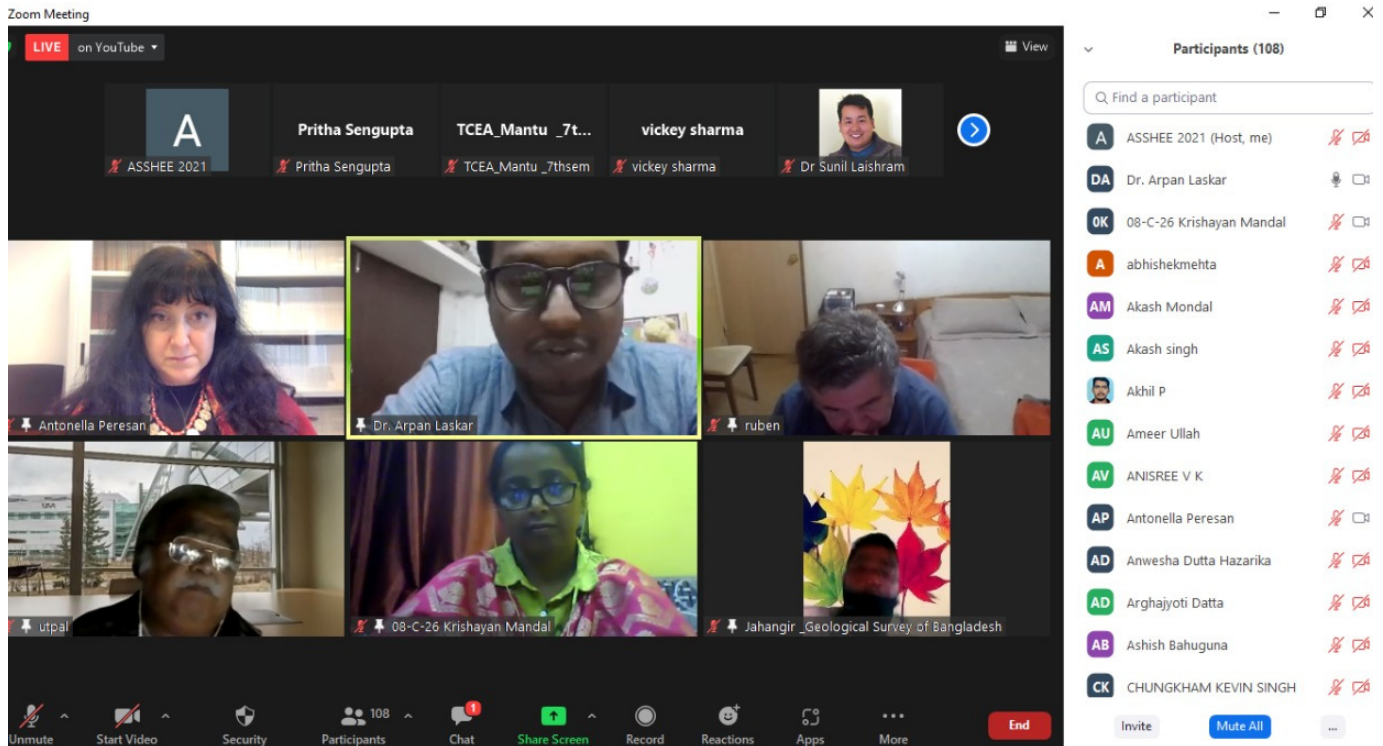


INDEPENDENCE DAY



India celebrates its Independence Day on the 15th of August every year. However, this year, the auspicious day is being celebrated as '75 Azadi Ka Amrit Mahotsav 2022' to commemorate 75 long years of India's independence. Independence Day helps us remember each of the respected freedom fighters who fought, struggled and even happily sacrificed their lives for the freedom of our Motherland.

On this Auspicious day of 2022, Techno College of Engineering Agartala proudly celebrated the Independence Day along with Flag Hoisting, National Anthem and distribution of sweets to the Ones who were present and helped in the great success of the program.



Knowledge of Earthquake Seismology is much needed not only to the Earth Scientists but also to the Civil Engineers to cope up with the Earthquake Disaster Mitigation by making earthquake resilient structures to save lives and properties of the society. Tripura, a state of North-East India which falls under zone-V is considered to be one of highest seismic risk zone in the seismic Zoning map of India (BIS,2004). In this context Techno College of Engineering Agartala organized Five days workshop from 13th-17th December, 2021.

Experts from National as well International level presented their valuable perspectives and experiences which helped the students and also the other participants especially research scientists, Engineers and concerned authorities. E-Certificates were issued to all the participants who registered and actively participated in the Program.

URJAA 2.0





Sports develop the physical as well as mental strength in students. Sports are integral part in any Institute curriculum because it helps to teach various skills to students like leadership, patience, team efforts, and social skills. In this regard Techno College of Engineering celebrated “URJAA 2.0”, a 3-day sports week with the active participation of students from all departments as well as specified events for the faculty members and staffs. The Event included various sports like Badminton, Cricket, Football, Table Tennis, race and much more.

The Honourable minister of Sports & Youth Affairs, Sushanta Chowdhury inaugurated the program as Chief guest. The event was exciting as well as competitive and skilful. All the champion and runner up teams were awarded with trophies because of their achievement in the program.

“One man practicing sportsmanship is far better than 50 preaching it.”

—Knut Rockne



AWARD GIVING CEREMONY

An award giving ceremony was organised by Techno Collage Of Engineering, Agartala. This event was conducted to felicitate the students for their hard work.

An award giving ceremony makes people feel that their work is valued. It shows approval and gratitude for each person's good job, and it makes people aware that good work will be rewarded.

Awards and accolades are pivotal in a student's life. Like punishing and correcting a student's fault, recognizing a student's success is also necessary. Even the slightest recognition works as a great motivation for the students and encourages them to work even harder and sincerely.

By recognizing the students' achievements, we are encouraging them to continue to work hard and be productive.

THE POSITION HOLDERS ARE :-

BRANCH TOPPER (3RD SEMESTER)

CE

PRITHA SENGUPTA

CECA

SHIBAJYOTI SEN

BRANCH TOPPER (5TH SEMESTER)

CE

SHRABANI SARKAR

THE POSITION HOLDERS ARE :-

ATTENDANCE TOPPER (3RD SEMESTER)

CE

ABHIJIT DEBNATH

CECA

AMIT ROY

ATTENDANCE TOPPER (5TH SEMESTER)

CE

BIMAN DEBNATH

"An award recognizing your talent is an honor."



AWARD GIVING CEREMONY

Project and research is an integral part of the curriculum of Engineering courses. The different project titles regarding the projects which the students of Civil Engineering Department, final year worked are *“TO IMPROVE BEARING CAPACITY OF WEAK SOIL BY INTRODUCING SAND REINFORCEMENT USING PLASTIC CONFINEMENT”*, *“COMPARATIVE STUDY OF THE SEISMIC PERFORMANCE OF PREFABRICATED AND CAST-IN-PLACE STRUCTURES”*, *“AN EXPERIMENTAL INVESTIGATION ON MECHANICAL PROPERTIES OF COB BLOCK”*, *“SITE SPECIFIC SEISMIC RESPONSE OF SINGLE AND GROUP PILE IN LIQUEFIABLE AND NON LIQUEFIABLE SOIL LAYER”*, *“ A STUDY ON INFILTRATION OF SOIL AT VARIOUS LOCATION AROUND AGARTALA CITY”*, *“COMPARISON IN METHODS OF ANALYSIS & DESIGN OF S+6 STOREY RCC STRUCTURE”*, *“DESIGN AND ANALYSIS OF G+5 STOREY GREEN BUILDING”*, *“NUMERICAL AND EXPERIMENTAL STUDY OF RAMMED EARTH STRUCTURE”*, *“ TRAFFIC FLOW DATA ANALYSIS USING PYTHON PROGRAMMING”*, *“HYDROLOGICAL STUDIES ON URBAN WATER DRAINAGE SYSTEM”*, *“STUDY ON THE INFLUENCE OF FLOATING COLUMNS IN BUILDING STRUCTURES”*.



OUTSTANDING TEACHER AWARD
*Mithun Ghosh (Asst. prof. CE Dept.
TCEA)*



AWARD GIVING CEREMONY

**OUTSTANDING HEAD OF THE
DEPARTMENT AWARD**
*Dr. Arpan Laskar (HOD CE Dept.
TCEA)*



**INCLUSIVE EXCELLENCE
AWARD**
*Avik Paul (Asst. Prof. CE Dept.
TCEA)*



AWARD GIVING CEREMONY



BEST PROJECT GROUP OF CE (2022)

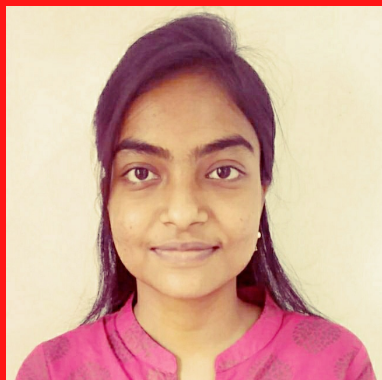
Among the aforesaid projects, ***“TO IMPROVE BEARING CAPACITY OF WEAK SOIL BY INTRODUCING SAND REINFORCEMENT USING PLASTIC CONFINEMENT”***, performed by Mantu Ghosh, Surmilata Pal, Papiya Saha and Anjan Nath under the Guidance of Dr. Arpan Laskar, Asst. Prof. & HOD, Civil Engineering Department is considered as the best project after evaluation from the Internal and External experts from the department of Civil Engineering. As a token of appreciation, the project group members were awarded during the ***“AWARD GIVING CEREMONY”***.



TOPPERS OF 2022 BATCH



CE 5TH SEM



SHRABANI SARKAR
SGPA: 9.27



RESHMI DAS
SGPA: 9.18



SAGAR DEBNATH
SGPA: 8.95

CECA 3RD SEM



SHIBAJYOTI SEN
SGPA: 9.87



NISHANROY
SGPA: 9.74



PRIYANJALI SANKAR
SGPA: 9.48

CE 3RD SEM



PRITHA SENGUPTA
SGPA: 8.91



RUMA DEBNATH
SGPA: 8.87



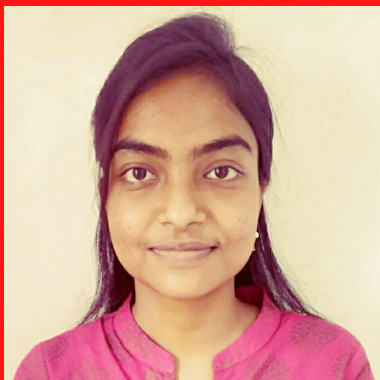
CHELSEE CHOWDHURY
SGPA: 8.04



TOPPERS OF 2022 BATCH



CE 6TH SEM



SHRABANI SARKAR
SGPA: 9.59



RESHMI DAS
SGPA: 9.55



SOURAV DEY
SGPA: 9.36

CECA 4TH SEM



SHIBAJYOTI SEN
SGPA: 9.77



AMIT ROY
SGPA: 9.41



NISHAN ROY
SGPA: 9.32

CE 4TH SEM



RUMA DEBNATH
SGPA: 9.48



PRITHA SENGUPTA
SGPA: 9.43



CHELSEE CHOWDHURY
SGPA: 9.3

PLACED STUDENTS OF 2022 BATCH



DIBAKAR BHOWMIK
BOLTMETRIC



MANTU GHOSH
INMOVIDU



PRIYAMMA BANIK
ACMEGRADE



SURMILITA PAL
INFOSYS



RAHUL MAJUMDER
INMOVIDU



BAISHALI BHATTACHARJEE
INMOVIDU



BINAYAK DAS
INMOVIDU



DASHAMITA SAHA
BOLTMETRIC



PAPIYA SAHA
BOLTMETRIC

PLACED STUDENTS OF 2022 BATCH



RUPAM DEBNATH
COGNIZANT



SONALI DAS
INMOVIDU



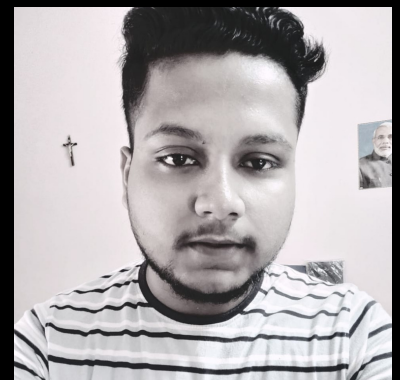
SUBHADIP SAHA
COGNIZANT



SREYASI GHOSH
INMOVIDU



MADHUSMITA DEBEYOY
INMOVIDU



RUHIT MAJUMDER
INMOVIDU



MEDHA ROY
INFOSYS



TECHNO COLLEGE OF ENGINEERING AGARTALA
Maheshkhola, Aagartala Tripura