

◀ RETROSPECT



A quarterly newsletter of CED

Volume 4, Issue 2, Jun, 2021

বিভাগীয় সঙ্গীত

সুৰ আৰু কথা: ড° অৰূপ কুমাৰ শৰ্মা,
প্রাক্তন ছাত্ৰ, অসামৰিক অভিযান্ত্ৰিক বিভাগ
যোৰহাট অভিযান্ত্ৰিক মহাবিদ্যালয়

উনৈচশ শাঠিৰ শুভ লগনত
পূব ভাৰতৰ যোৰহাট চহৰত-
মংগল ধ্বনিৰে বাজি উঠিছিল
প্রগতি বথৰ সংকেত ঘণ্টা,
অভিযান্ত্ৰিক সাধনাত নামিছিল
অসামৰিক শত' অভিযন্তা ॥

মহাকাশৰ ন-প্রযুক্তিৰে
ধৰাৰ বুকু জৰীপ কৰি
প্রগতিৰ নক্সা আঁকো,
দুৰ্বল মাটিও সবল কৰি
পাহাৰ নদীৰ বাধা নেওচি
পৰিবহনৰ সাজো সাঁকো,
যুগমীয়া হয় যাতে
অভিনবতাৰ এই যাত্ৰা
আমি অসামৰিক অভিযন্তা ॥

দূৰদৰ্শী চিন্তাধাৰাৰে
আন্ত:গাঁথনি সজাই-
কতকিষে নিৰ্মান কৰোঁ,
বলিয়া বানৰ দুৰ্যোগ নাশি
জলসম্পদ প্ৰয়োগেৰে-
সেউজীয়া পথাৰ গঢ়োঁ,
সুন্দৰ নিৰাপদ
পৰিবেশৰ আমি স্ৰষ্টা,
আমি অসামৰিক অভিযন্তা ॥

Vision of the Department

The department will be a center of excellence in creating highly competent civil engineers with professional ethics, social responsibility and entrepreneurial skills for sustainable development.

Mission of the Department

- To offer quality technical education in undergraduate, post-graduate and doctoral level that enables students in honing their professional skills.
- To provide a congenial, interactive and inspiring environment that enables student to develop innovative ideas, ethical values and entrepreneurial skills.
- To promote research initiatives to address regional and global problems.
- To extend technical expertise to meet industrial and societal needs.

HOD's message

I am happy to announce that the 2nd issue of 4th volume of our departmental quarterly newsletter "Retrospect" is ready to get published. All the significant events taken place in the department from 1st April, 2020 to 30th Jun, 2021 have been incorporated in this issue. I would like to dedicate this newsletter to the JEC Civil Engineering Family.



Prof. Prasanna Kr. Khaund

I would like to take this opportunity to express my pleasure and congratulate our beloved students who has successfully cleared GATE 2020 as well as able get placed in the placement drives of our college. I wish success and happiness in their personal and well as professional lives.



Fig: A snapshot of the online technical talk on bridge conducted on 20th June 2021

Advisor:

Dr. Atanu Kr. Dutta
Associate Professor, CED

Editors:

Mr. Baharul Hussain
Assistant Professors, CED

DEPARTMENTAL ACTIVITY

- M.Tech 3rd semester progress seminar cum viva was held on 9th April 2021.
- A departmental meeting was held on 1st of April 2021 to discuss the progress for NBA accreditation of civil engineering department. Faculty members were entrusted with different tasks to expedite the preparedness of the department for NBA accreditation.
- The even semester subjects were allotted to the faculties of civil engineering department on 19th April 2021. Faculties were requested to take classes as per class schedule and prepare course files for the same.
- Due to COVID situation the classes were going on through online mode. Regular student faculty feedback system was introduced to maintain the quality of online education mode.
- CIE-I for even semester students 2021 was conducted from 31st May to 04th June 2021 through online mode.
- CIE-II for even semester students 2021 was conducted from 26th June to 01st July 2021 through online mode.
- An online technical talk on bridge was conducted for 8th semester students on 20th June 2021. Er. Arunabh Sharma, Assistant Manager, RITS was the resource person for the same. Mr. P. Sarma was the coordinator for the event.

The technical talk was designed and delivered to suit the level and understanding of 8th semester students with practical implications. The technical talk covers detail presentation on different bridge parts, process of bridge construction with special emphasis on bridge sub-structure.

The technical talk was followed by question answer session where students have actively participated and cleared all their doubts.



Fig: Er. Arunabh Sharma delivering technical talk at the online technical talk on bridge on 20th June 2021

FACULTY ACTIVITY

- Ms. Snigdha Kalita participated in the online International Webinar on “Geopolymer Concrete” on 09th April 2021 organized by Indian Concrete Institute (Chennai Centre).
- A conference paper titled “Pushover Analysis of RCC Building Including 3D Soil Structure Interaction” authored by Md. Halim Islam and Dr. Atanu Kr. Dutta was published by springer in the proceedings of the Indian Geotechnical Conference 2019. The paper was first published online on 6th May 2021.
- A conference paper titled “Numerical Model Study of Two-Tiered Reinforced Soil Retaining Wall Subjected to Dynamic Excitation” authored by Ms. Sudipta Sikha Saikia and Dr. Arup Bhattacharjee was published by springer in the proceedings of the Indian Geotechnical Conference 2019. The paper was first published online on 6th May 2021.
- Dr. Nayanmoni Chetia has participated and completed a 5th day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by AICTE from 24th to 28th May 2021.
- A conference paper titled “Study on Stability Analysis of South Bank of River Brahmaputra and Its Tributaries in the Reaches of upper Assam” authored by Ms. Khagana Buragohain and Dr. P.K. Khaund was published by springer in the proceedings of the Indian Geotechnical Conference 2019.

FACULTY ACTIVITY

- A conference paper titled “Experimental Study on Load-Settlement Behaviour of Circular Pile Supported on Small Diameter Timber Piles Under Vertical Loading” authored by Mr. Hitesh Kumar and Dr. N.M. Chetia was published by Springer in the proceedings of the Indian Geotechnical Conference 2019.
- A conference paper titled “Study on Surface Soil Erosion of Bhogdoi River Basin Using GIS and Remote Sensing” authored by Ms. Merina Englengpi and Dr. M.K. Dutta was published by Springer in the proceedings of the Indian Geotechnical Conference 2019.
- Dr. Nayanmoni Chetia, Mr. Mrinaljyoti Adhyapok, Mrs Joba Goswami attended and completed one-week short term programme through ITC Mode on “Settlement & Bearing Capacity Analysis of Shallow Foundations” organized by National Institute of Technical Teachers’ Training and Research (NITTR) Kolkata from 14th to 18th June 2021.
- Mrs. Joba Goswami attended a one-day FDP on “Advances in the Field of Civil Engineering” organized by the Department of Civil Engineering, School of Engineering and Technology, Kaziranga University, Jorhat, held on 12th June 2021.
- A conference paper titled “Study on Surface Soil Erosion of Bhogdoi River basin Using GIS and Remote Sensing” authored by Ms. Merina Englengpi and Dr. M.K. Dutta was published by Springer in the proceedings of the Indian Geotechnical Conference 2019.

ACHIEVEMENTS AND ACTIVITIES OF STUDENTS

- 8th semester student, Mr. Mahmud Hussain Laskar has got placement offer from Byju's, The Learning App.
- Mr. Nipjyoti Boruah of 6th semester has done two online courses from Great Learning Academy which is an AICTE approved institution. (i) Data science (ii) Smart English Basics for Professional. He has also participated in a quiz competition held on International Day of Yoga 21 June 2021, organized by Ministry of AYUSH.

**Mr. Mahmud
Hussain Laskar**



Mr. Nipjyoti Boruah



- Ms. Shreemallika Baruah, 8th semester student got Overseas Internship Scholarship Program 2020-21 from Director of Technical Education, Govt. of Assam. She did internship at Saint Petersburg State University, Russia from 4th August to 10th September 2021 under the guidance of Prof. Anton S. Loschachenko. Her topic was “Microstructural Analysis of Nickel and Titanium Based Alloy Using Digital Image Processing Techniques”.

Shreemallika Baruah



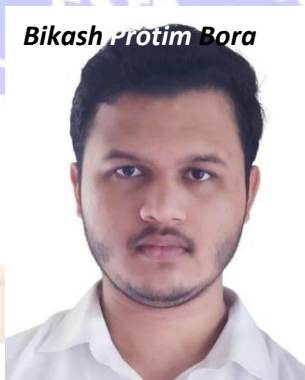
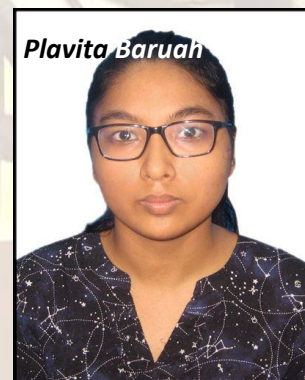
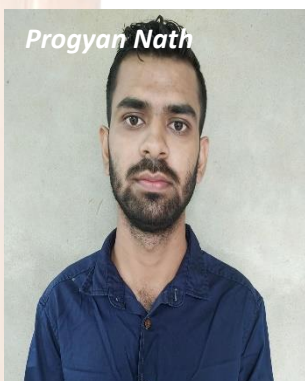
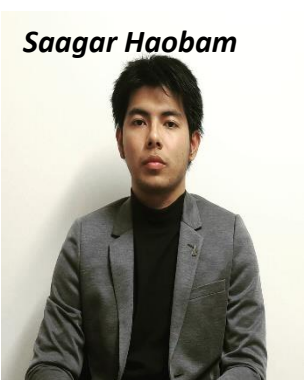
Mr. Avishek Goswami



- Mr. Avishek Goswami, Mtech 4th semester student has participated in the short-term course on “Classical and Metaheuristic Optimization Methods of Engineering Planning and Design” organized by IIT Guwahati. He has also participated in the online course on “Geospatial Technology for Hydrological Modelling” organized by Department of Space, ISRO and Indian Institute of Remote Sensing, Dehradun.

ACHIEVEMENTS AND ACTIVITIES OF STUDENTS

- Mr. Angshuman Baruah, Mr. Arnab Baruah, Mr. Bikash Protim Borah, Mr. Kapil Saikia, Ms. Plavita Baruah, Mr. Pragyan Nath, Mr. Mahmud Hussain Laskar and Ms. Anamika Rajbongshi from Civil Engineering Department cleared GATE 2020.
- Ms. Kannyajyoti Chetia of Civil Engineering Department has got placed in the KEC International during a campus placement drive.
- Mr. Nipjyoti Boruah, student of civil engineering department has participated in a quiz competition held on International Yoga Day on 21st June 2021, organized by Ministry of Ayush.
- Mr. Syed Ikbal Hushin, Mr. Saagar Haobam, Ms. Titiksha Hanidque and Ms. Shreya Tamuli of Civil Engineering Department got placed in Vedanta Pvt. Ltd during campus placement drive.

Angshuman Baruah**Arnab Baruah****Bikash Protim Bora****Kapil Saikia****Plavita Baruah****Pragyan Nath****Anamika Rajbongshi****Kannyajyoti Chetia****Nipjyoti Boruah****Syed Ikbal Hushin****Saagar Haobam****Titiksha Hanidque****Shreya Tamuli**