

◀ RETROSPECT



A quarterly newsletter of CED

Volume 4, Issue 4, December, 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 প্রয়োগেৰে-
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

It gives me immense pleasure to announce that the Department of Civil Engineering of JEC is publishing the 3rd issue, volume 4 of Retrospect, the quarterly newsletter of CED. This issue reflects all the significant events taken place in the department from 1st Jun, 2021 to 30th Sep, 2021.

I am very happy to share that my alma matter, temple of my career JEC has completed 60 glorious years and we have celebrated Diamond Jubilee this year on 26th and 27th December 2021. Though due to COVID situation the event needed to be postponed a few times, but COVID could not reduce our enthusiasm at all. All our faculty members, staff, students, and alumni have contributed tremendously to make this event a grand success.

Moreover, my beloved colleague Dr. Atanu Kr Dutta got transferred to Jorhat Institute of Science and Technology. I wish him great success and happiness in his life.



Prof. Prasanna Kr. Khaund



Ms. Suhashinee Bezbaruah



Ms. Jahnvi Mazumdar

Advisor:

Dr. P. K. Khaund
Head, Professor, CED

Editors:

Mr. Baharul Hussain, Mrs. Snigdha Kalita
Assistant Professors, CED

DEPARTMENT OF CIVIL ENGINEERING

DEPARTMENTAL ACTIVITY

- TEQIP-III Evaluation group visited Jorhat Engineering College on 22nd October 2021, to evaluate the successful implementation and completion of the project.
- CIE-I for odd semester students started from 25th October 2021 through online mode except for 7th semester students.
- CIE-II for odd semester students was held from 17th November 2021 in online mode, except for 7th semester students.
- A farewell meeting for Professor Dr. Atanu Kr. Dutta was held on the department on 13th November 2021. Dr. Dutta has been transferred to Jorhat Institute of Science and Technology and given additional duty as Principal in Charge for the same institute.
- 5th semester online virtual laboratory classes were started from 13 December, 2021.
- M. Tech final semester dissertation presentation and viva voice was held on 20th December, 2021.



FACULTY ACTIVITY

- A book chapter titled “Role of Openings in Seismic Resistance of Infill Walls: A Critical Review of Indian Codal Provision” authored by Dr. Atanu Kr. Dutta was included in a Springer published book “Recent Advances in Earthquake Engineering” in the month of October 2021.
- A conference paper titled “Flood-Proof House: An Alternative Approach to Conventional Housing Typology” authored by Gautam Das, Mousom Mrinmoy Kashyap, Niranjana Konwer and Dr. Atanu Kumar Dutta was included in Springer published lecture notes in Civil Engineering “Climate Change and Water Security”, 2021.
- A conference paper titled “Pushover Analysis of Existing Asymmetrical Building Using Modal Load Pattern, Soil Flexibility and Infill Walls-A Case Study” authored by Karismita Pathak and Dr. Atanu Kumar Dutta was included in Springer published lecture notes in Civil Engineering “Climate Change and Water Security”, 2021.
- On 30th November 2021, Dr. P. K. Khaund, NRRDA Director and a team of experts visited Wokha-Merapani Road to inspect and evaluate its existing condition.
- A research paper titled “Study of Traditional Tribal Houses of Assam” authored by Saurav Jyoti Dutta, a M.Tech student and Professor Nayanmoni Chetia was awarded as 1st best paper on 4th International Conference on Smart Villages And Rural Development (COSVARD)-2021, held on 13th -14th December, 2021



Climate Change and Water Security pp 143-156 | Cite as

Flood-Proof House: An Alternative Approach to Conventional Housing Typology

Gautam Das, Mousom Mrinmoy Kashyap, Niranjana Konwer & Atanu Kumar Dutta

Conference paper | First Online: 19 November 2021

311 Accesses

Part of the [Lecture Notes in Civil Engineering](#) book series (LNCE, volume 178)

Abstract

This paper deals with the conceptualization, planning, and design of a flood-proof house for Assam (India)'s flood plain. This house is envisaged as a replacement to the normally used

ACHIEVEMENTS AND ACTIVITIES OF STUDENTS

- Mr. Bitupan Dutta, student of 7th semester was awarded Best Bachelor of JEC 2021 during Rishikesh Borpuzari Memorial Award Ceremony, organized by Rishikesh Borpuzari Memorial Trust, on 9th October 2021 at Jorhat Engineering College.
- Ms. Lakshmishree Saikia, a 7th semester student won 3rd position in Intra College Dance Competition organized during Diamond Jubilee Celebration of Jorhat Engineering College on December, 2021.
- Mr. Nitish Sarma participated and won the 2nd (Second) Prize in the State Level Red Ribbon Quiz Competition organized by Assam State AIDS Control Society (ASACS) under National AIDS Control Organization, MoH &FW, Govt of India on 1st December, 2021
- Ms. Jahnvi Mazumdar, a 1st semester student secured GOLD MEDAL in All Assam Taekwondo Championship held on 27th-30th December, 2021.
- Mr. Anudit Das, a 5th semester student of Civil Engineering department, participated in “Short Film Making Competition” organized as a part of Diamond Jubilee Celebration of Jorhat Engineering College and succeeded to grab the 2nd position. The name of the short film was “PRAKASH” which was written, directed, and edited by Mr. Das himself. The short film is available on YouTube <https://youtu.be/gFel4kJ4vqs>.
- Ms. Suhashinee Bezbaruah, a 5th semester student of Civil Engineering department, was able to secure 1st position in Poem Writing, 2nd position in Intra College Debate Competition and Consolation prize in Inter College Debate Competition organized as a part of Diamond Jubilee Celebration of Jorhat Engineering College.

Mr. Bitupan Dutta



Mr. Anudit Das



Ms. Lakshmishree Saikia



Mr. Nitish Sarma



- Being the oldest and integral part of JEC, Civil Engineering Department Family has contributed a lot to maintain the glory of JEC. Civil engineering department has always looked after the infrastructure development of JEC.
- In September 2021, the newly constructed Canteen was inaugurated by Dr. Reeta Sarmah, Principal, JEC. Most of the construction cost was contributed from the revenue generated by the Civil Engineering Department with a total estimated cost of 1 crore (Approx). In this project, right from site selection, fixing layout, construction and delivery was done by the Civil Engineering Department, JEC.
- On 21st November 2021, the newly constructed Arnab Kishor Bordoloi Auditorium of Jorhat Engineering College was inaugurated by Chief Minister Dr. Himanta Biswa Sarma. The state-of-the-art modern auditorium was constructed with Rs 4.65 crore donated by Oil India Ltd under CSR. Civil Engineering Department, JEC was involved with the whole project right from site selection, fixing layout, timely monitoring, and material testing. The construction was done by PWD Assam.
- On 26th December 2021, the newly constructed Research Hostel was inaugurated by Mr. Tilak Chandra Sarmah. Power Grid Corporation of India Limited has donated 1.06 crore under CSR for the construction of the same. The construction was done by PWD Assam. Civil Engineering Department, JEC has planned, designed, and monitored the whole project. Moreover, all the furniture is procured with the contribution from the revenue generated from Civil Engineering Department.
- The Shaheed Bedi of Jorhat Engineering College was renovated in the month of December 2021 with the help of the revenue generated by the Civil Engineering Department, JEC, before the Diamond Jubilee Celebration of JEC.



CM. Dr. H.B. Sarma and others during inauguration of AKB Auditorium JEC



AKB Auditorium JEC



Canteen, JEC



During Inauguration of Research Hostel,



Research Hostel, JEC

- Jorat Engineering College was established on 10th October 1960 and have completed 60 glorious years in the year 2020. Due to COVID situation the Diamond Jubilee Celebration got delayed for one year but finally it was celebrated on 26th and 27th December, 2021.
- The faculties, staff, and students of CED have actively participated in the diamond jubilee celebration.
- Dr. P. K. Khaund, HoD, CED acted as one of the Vice President of the central committee for diamond jubilee celebration. Dr. Arup Bhattacharjee and Dr. Nayanmoni Chetia acted as Joint Secretary from CED.
- Executive members from CED were Dr. Atanu Kr. Dutta, Dr. Mrinal Kr. Dutta, Mr. Rituparna Goswami, Mr. Arup Deka and Mr. Abhijit Hazarika.
- As a part of diamond jubilee celebration 10 online webinar and 1 panel discussion was conducted. The topics for webinar were chosen such that it can touch the fields of career, technology, education etc. The panel discussion was on the topic “Industry-Institute Interaction to Develop Industry-Fit Engineers”. Dr. Mrinal Kr. Dutta acted as Joint Convenor of the Seminar Sub Committee. Dr. Atanu Kr. Dutta and Dr. Achyut Das were members for the same.
- Dr. Atanu Kr. Dutta acted as Joint Convenor for the Souvenir Sub Committee. The souvenir prepared by this committee was appreciated by all for its ability summarise the 60 glorious years of JEC into one book.
- Dr. P.K. Khaund acted as Joint Convenor for the Cultural Sub Committee. Dr. Nayanmoni Chetia and Mrs. Joba Goswami were the members for the same. The smooth conduction of all the cultural events were the responsibility of the committee.
- Mr. Arup Deka was the Joint Convenor of the Transportation/ Accommodation Sub Committee, Mr. Rituparna Goswami was the Joint Convenor of the Food Sub Committee. Dr. Arup Bhattacharjee was the Joint Convenor of the Budget/Fund Sub Committee. Dr. Nayanmoni Chetia was the Joint Convenor of the Felicitation of Retired Faculties & Staff Sub-Committee and Singing Competition. Dr. P.K. Khaund was the convenor of the Debating/ Elocution Sub-Committee.
- Dr. Mrinal Kr. Dutta was the convenor for the Technical Article Competition. Dr. Atanu Kr. Dutta and Mr. Gautam Hazarika were the member for the same.







