

# RETROSPECT



A quarterly newsletter of CED

Volume 3, Issue 3, Sept. 2020

## বিভাগীয় সঙ্গীত

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

উনৈচশ ষাঠিৰ 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.

## The 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 third issue, volume 3 of Retrospect, the quarterly newsletter of CED. This issue reflects all the significant events in the Department from 1<sup>st</sup> July, 2020 to 30<sup>th</sup> September, 2020.

I also wish my best wishes to the advisor and editors of Retrospect for the newsletter's successful future publication.

**Prof. Prasanna Kr. Khaund**



A snap of the inaugural ceremony of the online FDP on "Recent Development in Civil Engineering."

## Advisor:

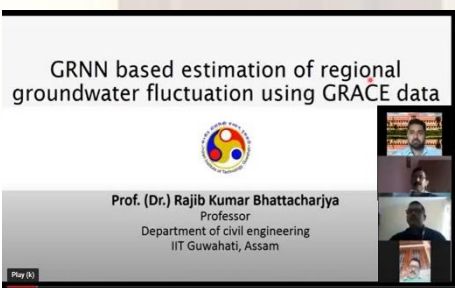
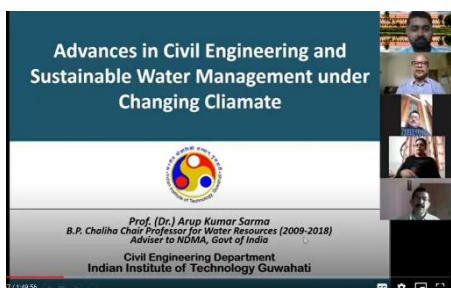
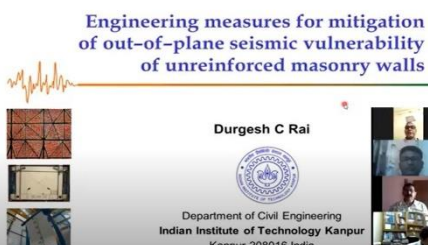
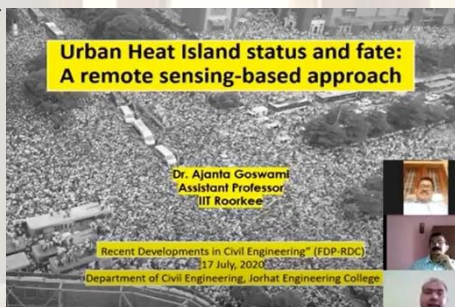
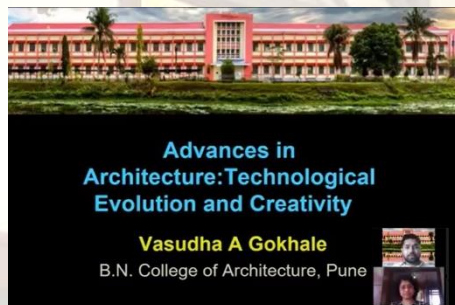
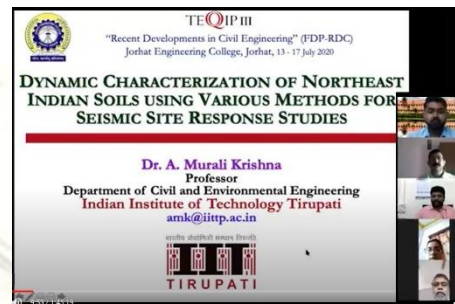
Dr Atanu Kr. Dutta  
Associate Professor, CED

## Editors:

Mr. Baharul Hussain and Miss. Marlina Gowalla  
Assistant Professors, CED

DEPARTMENTAL ACTIVITY

- Civil Engineering Department Organized an online FDP on “Recent Development in Civil Engineering” sponsored by TEQIP-III, held from 13<sup>th</sup> July to 17<sup>th</sup> July 2020, coordinated by Dr Pulendra Dutta, Dr Arup Bhattacharjee and Mr Baharul Hussain.
- A total of nine prominent professionals from around the globe delivered lectures on this FDP program.
- Prof. A. Murali Krishna, Professor, Department of Civil Engineering, IIT Tirupati, delivered a lecture on "Dynamic Soil Properties Evaluation".
- Dr Hemanta Doloi, Associate Professor, Construction Management, University of Melbourne, Australia, delivered a lecture on "Research Culture, Research Capacity and Research-Led Development of Smart Villages in Assam".
- Dr Vasudha Ashutosh Gokhle, Professor, Dr Bhuben Nanavati College of Architecture for Women, Pune, delivered a lecture on "Advances in Architecture: Technological Evolution and Creativity."
- Dr Ajanta Goswami, Assistant Professor, Department of Earth Science, IIT Roorkee, talked about "Urban Heat Island Status and Fate: A Remote Sensing Based Approach".
- Mr Hari Kumar, Regional Coordinate for South Asia, India, GeoHazard International, USA delivered a talk on "Earthquake Risk in Hill Towns and Actions to Reduce Losses- A Case Study of Aizawl, Mizoram".
- Prof. Durgesh C. Rai, Professor, Department of Civil Engineering, IIT Kanpur, delivered a lecture on "Engineering Measures for Mitigation of Out-of-Plane Seismic Vulnerability of Unreinforced Masonry Walls."
- Prof. Arup Kumar Sarma, Professor, Department of Civil Engineering, IIT Guwahati, delivered a lecture on “Advances in Civil Engineering and Sustainable Water Management under Changing Climate”.
- Prof. Rajib Kumar Bhattacharjya, Professor, Department of Civil Engineering, IIT Guwahati, delivered a lecture on “GRNN Based Estimation of Regional Groundwater Fluctuations Using GRACE Data”.
- Dr M. Saharia, Assistant Professor, Civil Engineering Department, IIT Delhi, delivered a lecture on “Role of Machine Learning in Civil Engineering”.



DEPARTMENTAL ACTIVITY

- B.E 8<sup>th</sup> Semester final examination Via Online mode due to COVID situation was conducted from 20<sup>th</sup> July to 27<sup>th</sup> July 2020.
- B.E 8<sup>th</sup> Semester's Final seminar and project viva was held on 3<sup>rd</sup> and 4<sup>th</sup> August 2020.
- M. Tech Final Semester Pre-submission project seminar via online mode was held on 6<sup>th</sup> and 7<sup>th</sup> August 2020.
- CIE-I for 3<sup>rd</sup>, 5<sup>th</sup> and 7<sup>th</sup> Semester students were scheduled from 28<sup>th</sup> September to 3<sup>rd</sup> October 2020.



FACULTY ACTIVITY

- Dr Atanu Kr. Dutta's paper titled "Disregarding the Effect of Openings in infill walls in Indian Seismic Code: a scrutiny" has been accepted for publication and presentation in 12<sup>th</sup> Structural Engineering Convention on 20<sup>th</sup> August 2020.
- Dr Nayanmoni Chetia's Paper titled "A Comparative Study on Different Types of Passive Energy Dissipating Devices" has been accepted for publication and presentation in 12<sup>th</sup> Structural Engineering Convention on 23<sup>rd</sup> August 2020.
- Dr Atanu Kr. Dutta's paper titled "Seismic Performance of Traditional Bamboo-Stilted House of Flood Plains in Assam" has been accepted for publication and presentation in 12<sup>th</sup> Structural Engineering Convention on 24<sup>th</sup> August 2020.

ACHIEVEMENTS AND ACTIVITIES OF STUDENTS

- Upamanyu Sandilya student of B.Tech 5<sup>th</sup> Semester has Completed "Mastering bitumen for better roads and innovative applications" online course offered by École des ponts ParisTech University on the learning platform "Coursera" on 6<sup>th</sup> July 2020.
- Shreya Simanta Sarmah, a student of 5<sup>th</sup> Semester has Conducted a 2-day workshop on "Strategy and Policy Consulting" under a collaborative project of JIST, JEC, AEC and Cotton University on 18<sup>th</sup> and 19<sup>th</sup> July 2020.
- B. Tech 5<sup>th</sup> Semester student Tanzeela Rahman Participated in a two-day workshop on 'Strategy and Policy Consulting' organized by Strategica between 18<sup>th</sup> July to 19<sup>th</sup> July 2020.
- B. Tech 5<sup>th</sup> Semester student Kritika Gayan has Participated in a two-day workshop on 'Strategy and Policy Consulting' organized by Strategica between 18<sup>th</sup> to 19<sup>th</sup> July 2020.
- B. Tech 3<sup>rd</sup> Semester student Meghna Goswami has Participated in a two-day workshop on 'Strategy and Policy Consulting' organized by Strategica between 18<sup>th</sup> to 19<sup>th</sup> July 2020.
- B. Tech 4<sup>th</sup> Semester student Tanzeela Rahman Completed online certified course on 'Covid-19 Contact Tracing' from Johns Hopkins University on 11<sup>th</sup> July 2020. Moreover, she did a workshop on 'Understanding research methods' from the University of London on 10<sup>th</sup> August 2020 through COURSERA platform.
- Meghna Goswami, a B.Tech 3<sup>rd</sup> Semester student, has completed an eight weeks training on programming with C and C++ from INTERNSHALA in July.
- Shreya Simanta Sarmah, a student of 5<sup>th</sup> Semester, has completed an Internship at DHRITII-The Courage Within as State Mobilizer in Assam from 20<sup>th</sup> July to 31<sup>st</sup> October 2020.
- B. Tech 5<sup>th</sup> Semester student Kritika Gayan completed a course on excel skills for business essential on COURSERA in July 2020.

## ACHIEVEMENTS AND ACTIVITIES OF STUDENTS

- Saurav Kumar Tiwari, a B.Tech 3<sup>rd</sup> Semester student, has participated in a national online seminar on Reconnect with yourself held by SANJEEVANI in July 2020. He also attended a webinar on UPSC Preparation hosted by the Electrical Engineering Department of Jorhat Engineering College.
- B. Tech 5<sup>th</sup> Semester student Tanzeela Rahman got 2<sup>nd</sup> prize in poetry competition In Kargil Vijay Diwas as an NCC CADET of AIR NCC GROUP(51 ASSAM)organized by JORHAT NCC UNIT on 26<sup>th</sup> July 2020.
- Kritika Gayan, a B.Tech 5<sup>th</sup> Semester student, completed an online course on "Photogrammetry and its application" organized by IIRS from 29<sup>th</sup> June to 3<sup>rd</sup> July 2020.
- Abhishruti Saikia, a B.Tech 5<sup>th</sup> Semester student, participated in a webinar on Microsoft in July 2020. She also completed a one-month internship under INTERNSHALA on AutoCAD.
- Meghna Goswami, a B.Tech 3<sup>rd</sup> Semester student, has completed the course C for everyone: Programming Fundamentals authorized by University of California; Santa Cruz offered by COURSEA in August 2020.
- Meghna Goswami, a B.Tech 3<sup>rd</sup> Semester student, has completed the course Fundamentals of Graphic Design authorized by California Institute of Arts offered by Coursera in August 2020. She has also completed the MyCaptain Blogging and Content writing one month workshop in August 2020.
- Shreya Simanta Sarmah, a student of 5<sup>th</sup> Semester, has attended a webinar on "Waste management" under TEQIP-III project at Dibrugarh University held from 13<sup>th</sup> to 14<sup>th</sup> August 2020.
- Shreya Simanta Sarmah, a student of 5<sup>th</sup> Semester, has participated in The Quiz of Social Impulsum Case competition conducted by 180-degree Consulting IIT Madras on 18<sup>th</sup> August 2020.
- Shreya Simanta Sarmah, a student of 5<sup>th</sup> Semester, has attended a Webinar on "Biomass and Bioenergy" under Collaborative research Project between JIST and ASTU under TEQIP- III on 25<sup>th</sup> August 2020.
- Lopamudra Dutta, a student of 5<sup>th</sup> Semester, has participated in a two-day Webinar under the banner of the TEQIP- III project, DUIET on the topic "waste management" held at DUIET, Dibrugarh University, Assam held from 13<sup>th</sup> to 14<sup>th</sup> August 2020.
- Meghna Goswami, a B.Tech 3<sup>rd</sup> Semester student, has volunteered for "She the Warrior" Campaign, which aimed at creating a positive impact towards women empowerment and mental health scenario of Assam in August 2020.
- Lopamudra Dutta, a student of 5<sup>th</sup> Semester, has completed an online course on "Global Navigation Satellite System" conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun held from 14<sup>th</sup> to 29<sup>th</sup> September 2020.
- Shreya Simanta Sarmah a student of 5<sup>th</sup> Semester has participated in the Global Navigation Satellite System, an Outreach program by IIRS, ISRO Dehradun held from 14<sup>th</sup> to 25<sup>th</sup> September 2020.
- Shreya Simanta Sarmah, a student of 5<sup>th</sup> Semester, has attended a Webinar Webinar on "Recent Advances in Energy Conversion Technology bu ASTU under collaborative Research Scheme of TEQIP III held on 10<sup>th</sup> September 2020.
- Shreya Simanta Sarmah, a student of 5<sup>th</sup> Semester, has been appointed in the post of Events and Workshops Associate (under student's intern program of URTS Pvt. Ltd) on 18<sup>th</sup> September 2020.
- Saurav Kumar Tiwari, a B.Tech 3<sup>rd</sup> Semester student, has participated in the mental Health session organized by TECHFEST, IIT Bombay on 26<sup>th</sup> September 2020.
- Lakshmishree Saikia student of 5<sup>th</sup> Semester Participated in a webinar held at Kaziranga University on 22<sup>nd</sup> September 2020.