

RETROSPECT



A quarterly newsletter of CED

Volume 2, Issue 3, September, 2019

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
প্ৰগতি ৰথৰ সংকেত ঘণ্টা,
অভিযান্ত্ৰিক সাধনাত নামিছিল
অসামৰিক শত অভিযন্তা ॥

মহাকাশৰ ন-প্ৰযুক্তিৰে
ধৰাৰ বুকু জৰীপ কৰি
প্ৰগতিৰ নক্সা আঁকো,
দুৰ্বল মাটিও সবল কৰি
পাহাৰ নদীৰ বাধা নেওচি
পৰিবহণৰ 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 ব্ৰহ্মা,
আমি অসামৰিক অভিযন্তা ॥

Vision of the Department

The department will be a centre 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

Bhagavad Gita teaches us there is nothing permanent in this world. Though tragic everyone has to leave this materialistic world and reach the almighty. It is really tragic that on 19th September, 2019 this Great Educationist Prof. Madan Mohan Das has left for heavenly abode, creating a big gap in the field of Civil Engineering in Assam. To give a small tribute to this great person this issue of the RETROSPECT has been dedicated to Prof. Madan Mohan Das.



It gives me immense pleasure to announce that the Department of Civil Engineering of JEC is publishing the third issue volume 2 of Retrospect, the quarterly newsletter of CED. This issue reflects all the significant events taken place in the department from 1st July to 30th September, 2019. I wish my best wishes to the advisor and editors of Retrospect for successful future publication of the newsletter.

Prof. Prasanna Kr. Khaund

Advisor:

Dr. Atanu Kr. Dutta
Associate Professor, CED

Editors:

Mr. Baharul Hussain, Mr. Utpal Ray and Ms. Marlina Gowalla
Assistant Professors, CED

DEPARTMENTAL ACTIVITIES

- Project Viva for the M. Tech outgoing students was conducted on 8th July 2019
- Allocation of the subject to the faculties for the Session Aug to Dec 2019 by the HOD was done on 24th July 2019.
- The odd Semester for 2019 started from 1st Aug 2019.
- Interaction meeting of faculties with performance auditor was held on 6th Aug 2019.
- A departmental meeting was held on 6th Aug 2019 to discuss about the NBA duties and task allocation to respective faculties & tentative date for submission of SAR to the department NBA coordinator.
- M. Tech 1st Semester classes started from 8th Aug 2019.
- The laboratory classes for the B. Tech started from 19th Aug 2019.
- A meeting was held on Professor's common room with the Principal on 19th Aug 2019 to discuss the progress of preparation of SAR for applying NBA.
- A departmental orientation program was held on 19th August 2019 for the 1st year students of Civil Engineering Department, under the TEQIP-III sponsored 3 week Induction Program of Jorhat Engineering College.
- A departmental discussion on SAR preparation for NBA was held on 26th Aug 2019.
- A demonstration workshop on CSI Bridge was held from 26th to 28th August 2019 in Civil Engineering Department.
- In a departmental meeting held on 29th August 2019, all the faculty members of Civil Engineering Department decided to seat together every day after 4 PM for SAR preparation.
- The department conducted Class Test – I from 31st Aug to 6th Sep, 2019 as a part of continuous internal evaluation process for B.E. students.



Teacher's Day Celebration



MIDAS Demonstration



Departmental Magazine meeting

DEPARTMENTAL ACTIVITIES

- The students and faculties of Civil Engineering Department of Jorhat Engineering College celebrated Teachers' Day and payed tribute to the whole teachers' community for their selfless service to the society
- The department conducted the progress seminar for the 3rd semester M. Tech students on 6th Sep, 2019
- A departmental meeting was on 17th September 2019. held to discuss the name, content and editorial board of the upcoming departmental magazine
- MIDAS gave a demonstration on its products on geotechnical and structures on 20th September 2019 under MIDAS Educational Initiative.
- The department conducted Class Test – II from 29th September to 1st October 2019 as a part of continuous internal evaluation process for B.E. students.

FACULTY ACTIVITIES

- Dr. Sulaem M. Laskar has been acting as an Associate Member of American Society of Civil Engineers (ASCE) and Institute of Engineers (India) from June 2019.
- Mr. Koushik Kalita has participated in TEQIP-III sponsored national workshop on “Advanced Pedagogies: Active Learning and Digital tools” organized by Centre for Educational Technology, IIT Guwahati from 1st to 5th July 2019.
- Dr. Atanu Kr. Dutta was invited as a resource person in workshop for Earthquake Resistant Design Practices for UG students of Architectures from 1st to 7th July 2019 at IIT Kanpur.
- Dr. Prasanna Kr. Khaund delivered a technical talk on “Erosion & Its Control in River Brahmaputra” at Malnad College of Engineering, Hasan Karnataka on 5th July 2019.
- Dr. Prasanna Kr. Khaund attended a BOS, Civil Engineering meeting at Malnad College of Engineering, Hasan Karnataka as one of the expert member for review of their new Civil Engineering syllabus on 5th July 2019.
- Dr. Achyut Das participated in a short term course “Strategic Management” organized by NITTTR, from 08th July to 12th July 2019.



Dr. P.K. Khaund delivering a technical talk in MCE, Karnataka



Dr. P K Khaund at Malnad College of Engineering

FACULTY ACTIVITIES

- Dr. Sulaem M. Laskar was invited as a resource person for the TEQIP-III sponsored faculty development program on “Recent Advances in Concrete Technology” organized by Assam Engineering College, Guwahati and ASTU from 15th to 19th July 2019.
- Ms. Prasanty Borah attended a TEQIP-III sponsored faculty development program on “Recent Advances in Concrete Technology” organized by Assam Engineering College, Guwahati and ASTU from 15th to 19th July 2019.
- Dr. Nayanmoni Chetia attended an executive learning program on Stress Management from 19th to 21st July 2019, organized by Art of Living, Bengaluru.
- A research article titled “Road network analysis of Guwahati city using GIS” authored by D. Das, A. Ojha, H. Kramsapi, P.Baruah and Dr. Mrinal Kr. Dutta has been published in the journal SN Applied Science, Springer on 23rd July 2019.
- Dr. Achyut Das participated in a short term course “An overview of Environmental Pollution” organized by NITTR, Kolkata Extension Centre Guwahati from 29th July to 2nd August 2019.
- Dr. Prasanna Kr. Khaund attended the 4th BOG meeting of Jorhat Engineering College on 6th September 2019.
- Dr. Atanu Kr. Dutta was engaged as an evaluator of AICTE-AQIS Scheme.
- A research proposal entitled, “Development of sustainable materials for concrete repairing and strengthening” has been accepted under “TEQIP Collaborative Research Scheme” with a total grant of Rs. 7,50,000.00. Dr. Sulaem M. Laskar is the Principal Investigator of the research project with Dr. Atanu Kr. Dutta, Mr. Baharul Hussain and Mr. Koushik Kalita acting as Co-PI for the same.
- Dr. Arup Bhattacharjee has reviewed a research article entitled “Seismic Evaluation of Geosynthetic-Reinforced Retaining Walls Under Near and Far” for the journal of Earthquake Engineering and Engineering Vibration.



FACULTY ACTIVITIES

- Dr. Mrinal Kr. Dutta and Mr. Koushik Kalita attended the sixth annual event of Dr. Kamal Chandra Borthakur Memorial Educational Trust organized by Assam Academic Center on 15th September 2019. During the event Dr. Dutta delivered a talk on “Drainage Network of Jorhat City” and Mr. Kalita delivered a talk on “Solid Waste management in Jorhat” which were highly appreciated by the delegates and the audience present in the event.
- Dr. Nayanmoni Chetia was invited as a resource person for the workshop on “Weather forecasting, crop planning and making housing cost effective and resilient in flood effected areas of Golaghat District” organized by Kaziranga University and HAI on 26th September 2019.
- Dr. Prasanna Kr. Khaund attended executive council meeting of ASTU on 27th September 2019, on behalf of Principal, Jorhat Engineering College.
- Mr. Koushik Kalita acting as Co-PI on a research project entitled “Methodology for prioritization of secondary road network sections for planning of maintenance works” under TEQIP-III Collaborative Research Scheme.
- A research article titled “Stress Strain Behaviour of Liquified Soil” authored by Dr. Arup Bhattacharjee has been accepted for presentation at the 14th International Conference on Vibration Problems (ICOVP 2019).



Dr. M. Dutta delivering a talk on Drainage Network in Jorhat



Mr. K Kalita delivering a talk on solid waste management in Jorhat



Dr. Nayanmoni Chetia at Kaziranga University

STUDENT ACTIVITIES

- Mr. Manab Jyoti Adhikary of BE 5th semester got selected by NCC Air Squadron as a Co-pilot to fly the microlight plane "VIRUS SW-80". Mr. Adhikary also participated as a member with the surveying team for Global Road Safety Partnership (GRSP) which is a project in collaboration with Red Cross and IIT Guwahati.
- Mr. Moon Jyoti Das received AutoCad Certification by Internshala, Social Internship Certification by NGO.



Manab Jyoti Adhikari

STUDENTS ACTIVITIES

- Ms. Lakshmishree Saikia of BE 3rd semester participated in the “North-East Hackathon 2019” organized by ASTU. She also undergone an social internship under the an NGO (SEWA), completed six weeks summer training on “AutoCAD”, participated in "Escalate prelims" at Techniche 2019 , IIT Guwahati. She also attended two day Rubik’s Cube solving workshop and participated in the 1st Jorhat open Rubik’s Cube competition.
- Ms. Tanzeela Rahman of BE 3rd semester participated in a social internship-under Jan Shikshan Sansthan Kamrup, sponsored by Ministry of Skill Development and Entrepreneurship, participated in Rubik’s Cube solving workshop.



Lakshmishree Saikia



Tanzeela Rahman with other team mates

TRIBUTE TO DR. MADAN MOHAN DAS SIR



Prof. Madan Mohan Das was an Educationist and Researcher of highest standard in the field of Technical Education of Assam as well as in India. He started his service life as a lecturer in Assam Engineering College in 1965 just after getting B.E. Degree with 1st class 1st position in Civil Engineering from AEC, Guwahati. He did his M.S in Hydraulic Engineering from Cornell University, USA in 1969. After that he completed his PhD from Stratwelyde University, Great Britain in 1978. During the period of PhD course he became very popular at international level for his research work; specially for his “Das & Barr Formula”. He was also awarded “Telford Premium” by Institution of Civil Engineers (ICE), London in 1981 for the same formula.

Prof. Das sir worked as a Professor in Assam Engineering College and also in Jorhat Engineering College. In 1996 Dr. M.M. Das sir joined as a Director of Technical Education, Government of Assam and he retired from the same post in the year 2000. After his retirement he was nominated as Emeritus Fellow by All India Council of Technical Education (AICTE).

After his retirement Prentice Hall of India (PHI) published ten numbers of books in Civil Engineering written by Dr. M. M. Das. Under his supervision, thirteen numbers of scholars were awarded PhD Degree in Civil Engineering under Guwahati University.

It is really tragic that on 19th September, 2019 this Great Educationist left for heavenly abode, creating a big gap in the field of Civil Engineering in Assam. The Department of Civil Engineering of Jorhat Engineering College, in line with many other institutions, pays homage to the departed soul of Dr. M. M. Das sir in presence of all its faculty and students, after his demise.