ORIHONA

COMPUTER SCIENCE & ENGINEERING

"Coming together is a beginning; keeping together is progress; working together is success."
- Edward Everett Hale

Editorial's Desk

CSE, DUIET warmly welcomes you to the third edition of its e-Newsletter 'Orihona,' 2021. Through the pages of 'Orihona,' one can find the events, activities, achievements, and celebrations of the Department of Computer Science, DUIET throughout the year.

The Editorial's Desk is thankful to all those who contributed to this edition and hopes that going through this newsletter is enjoyable for you.

Happy Reading...!

Editorial's Team

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Himangsu Borah
Member

Papori Bokalial
Member

Prasenjit Paul
Member

Sazid Ahmed
Member

Meghna Chutia
Member

Khushi Shukla
Member

FROM THE DIRECTOR'S DESK

I am delighted to know that students of Computer Science and Engineering, DUIET, bring out their departmental newsletter. This will benefit all the students as they can now be aspired to greater heights by knowing about their department's achievements. This will also foster professional and social networking from time to time.

It indeed creates a great feeling to know about the initiative taken by the Department to facilitate the students with the necessary information, record keeping, and increasing student capabilities through active participation. Students have exhibited great zeal and enthusiasm and have contributed significantly to the inter and intra college activities like Seminars, Workshops, Conferences, Placement programs, Technical and Cultural events, etc. The editorial team has initiated something that will continue to help and guide present and upcoming students of the Department. Personally, I feel that students of CSE, DUIET should set standards and create an environment to excel in their areas of interest and guide more DUIETians in the future. On our part, we will continue to swirl to make achievements for you. We wish you all the best in your endeavors .
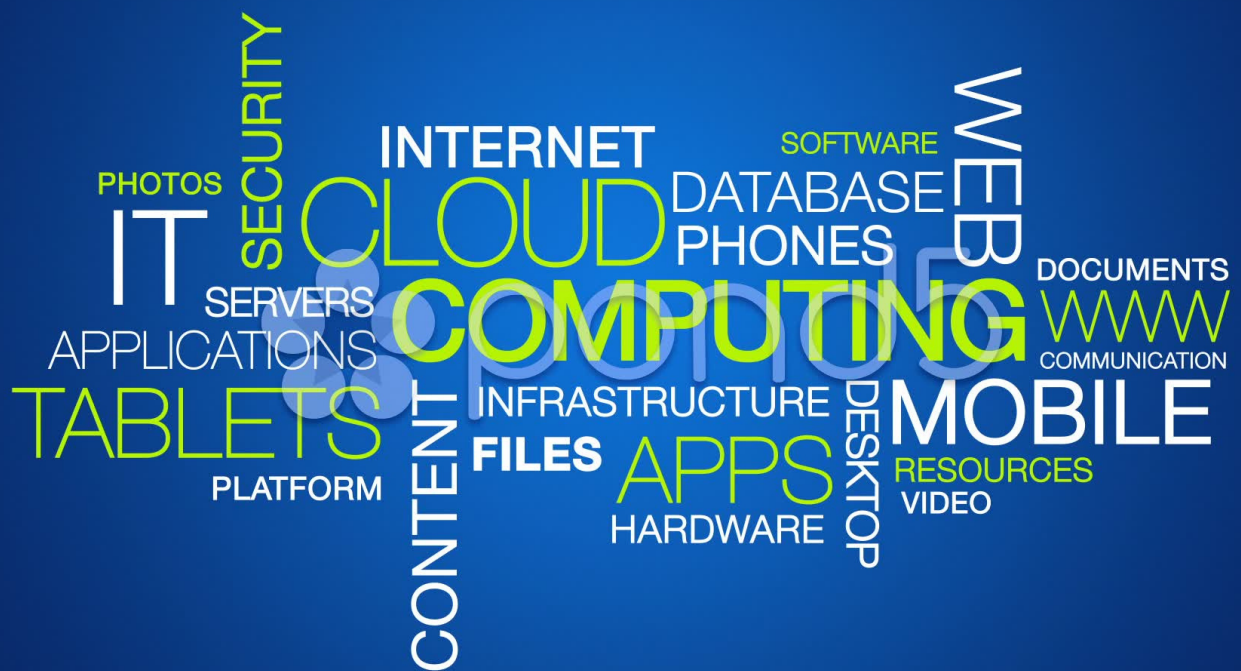
Dr Mukul Chandra Bora
Director, D.U.I.E.T

"Learning gives creativity, Creativity leads to thinking, Thinking provides knowledge, Knowledge makes you great."

ORIHONA

Your limitation—it's only your imagination.

COMPUTER SCIENCE AND ENGINEERING

"Education is the most powerful weapon which you can use to change the world."
-Nelson Mandela

 The Department of Computer Science & Engineering was started in August 2009 with AICTE recognition. The department has a team of six highly qualified, experienced, and dedicated faculty and two staff members to impart quality technical education. The department caters to the latest requirements and demands of the IT Industry and aims at providing a valuable workforce for the Indian Silicon Valley.

 The department has high-speed broadband internet connectivity at all the labs which are necessary to complete the different practical ventures. The department has four laboratories including two programming laboratories, one network, and security laboratory, and one artificial intelligence laboratory. The department has been facilitated under a voluminous library located at the Core building of DUIET, which caters to the needs of students, research scholars, and faculty.

HOD'S MESSAGE

It gives me immense pleasure to know that our Department of Computer Science & Engineering (CSE), D.U.I.E.T. is going to publish its 3rd issue of newsletter Orihona V 3.0 which can be regarded as a forerunner of the Departmental activities. Such an enterprise not only showcases their academic, editorial excellence but also their keenness to venture innovative ideas on various domains besides the course curriculum. I would also take this opportunity to express my sincere gratitude towards the resourceful and amiable faculty of this Department who are always proactive in taking such initiatives and extend their support to student-related activities in every possible way. Our faculties always encourage the students to participate in various technical events and competitions. This newsletter is also an attempt to highlight the achievements of the Department, in spite of the restrain created due to the COVID-19 pandemic. But despite all hurdles, we look forward to having much more editorial and creative ideas in the future. I wish good luck to the entire team of editors and look forward to the kind patronage of the faculty members to our newsletter.

sd /-
Dr. Nomi Baruah
HOD(I/C), CSE Department, D.U.I.E.T

International/National Journals & Conferrence Proceedings

- Arjun Gogoi, Nomi Baruah & Rakhee D. Phukan "Improving Stemming for Assamese Information Retrieval" presented in 11th SRS-2021, held from 07th to 10th January, 2021.

- Surajit Borkotokey, Moirangthem Singh, Rachid Lahcen, Ram Mohapatra " A Generic Scheme for Cyber Security in Resource Constraint Network Using Incomplete Information Game", (2021) Joint Mathematics Meetings (JMM), AMS/MAA

- Singh Moirangthem Tiken., Chakrabarty A., Sarma B., Dutta S. (2021) An Improved On-Policy Reinforcement Learning Algorithm. In: Soft Computing Techniques and Applications. Advances in Intelligent Systems and Computing, vol 1248. Springer, Singapore.

- Kaushik Das and Arun Kr Baruah, "A Study of Data Processing for Object Recognition in Scene Image using FRCNN: A Smart Grid Technology", in proceedings International Conference on Innovations in Energy Management and Renewable Resources, 5th – 7th February, 2021.

- Charu Guleria, Kaushik Das, and Aryabartta Sahu, "A Survey on Mobile Edge Computing: Efficient Energy Management System" in the International Conference on Innovations in Energy Management and Renewable Resources, IEEE, 2021.

- Baruah, N., Khan, A., Ray, D., Phukan, R.D., Gogoi, A., "Word level English to Hindi neural machine translation", Journal of Theoretical and Applied Information Technology, 2021, 99(14), pp. 3460–3473.

- Arjun Gogoi, Nomi Baruah, Lakhya Jyoti Nath, "Assamese Word Sense Disambiguation using Cuckoo Search Algorithm" Procedia Computer Science, Vol:189, Pages: 142-147.

- Nomi Baruah, Shikhar Kr Sarma, Surajit Borkotokey, "A Single Document Assamese Text Summarization Using a Combination of Statistical Features and Assamese WordNet", Progress in Advanced Computing and Intelligent Engineering, Pages- 125-136, Springer, Singapore.

- Nomi Baruah, Arjun Gogoi, Shikhar Kr Sarma, Randeep Borah, "Utilizing Corpus Statistics for Assamese Word Sense Disambiguation", Advances in Computing and Network Communications, pages- 271-283, Springer, Singapore.

INDUCTION PROGRAM 2020

Inside the Issue:
In view of the covid 19 worldwide pandemic induction program of 2020was organized through various online meeting platforms

OBJECTIVE

1. The students should know their course from the starting which will help them in their in future.

2. The students should get familiar with all their main objectives in their four year Engineering period.

Student Induction Program (SIP), a course approved by the All India Council for Technical Education (AICTE), is a three-week mandatory program for students pursuing a discipline in the technical line.

HERE IS A GLIMPSE OF THE PAST :

CELEBRATION AT CSE DEPARTMENT

TEACHER'S DAY

Teacher's Day is one of the exciting days for students as well as teachers all the efforts and hard work you've invested to bring out the best in us can never be repaid in mere words. Teacher's day was celebrated on 5th September 2020 to honor all the teachers for their special contribution to the education field. The event concluded in covid 19 worldwide pandemic induction program of 2020 was organized through online meeting platforms.

INDEPENDENCE DAY

Dibrugarh University organizes Independence Day on 15th August and DUIET actively takes part in it.

DIWALI CELEBRATION

"Dibrugarh University of Engineering and Technology organizes Diwali each year. The celebrations include lighting lamps and cracking fireworks.
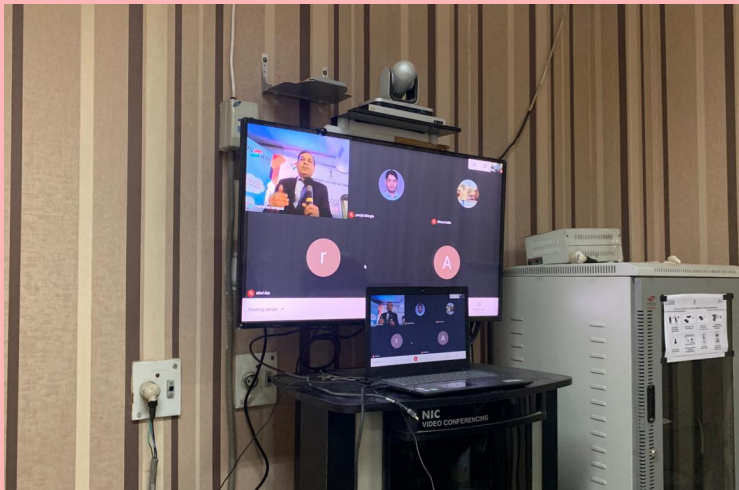
ENVIRONMENT DAY, 2021

DUIET observed the World Environment Day on June 5 amid the COVID-19 pandemic maintaining social distance. A short tree plantation program was held at DUIET core building to encourage awareness and action for the protection of the environment, inaugurated by Director Sir.

WORKSHOP AND TRAINING

Assam Startup Pre Incubation Programme on 13th Feb 2021

Students interested in entrepreneurship and willing to startup were provided a platform to present their ideas and get professional training.
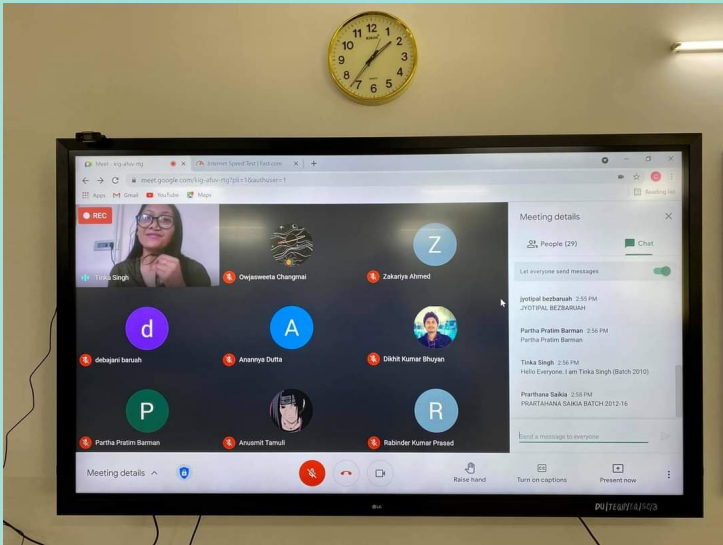
Student training on future skill technologies from 22nd Feb to 6th March 2021

The objective of the training was to make the UG students of TEQUIP institutions industry ready for meeting demands in "Data Science and Analytics".
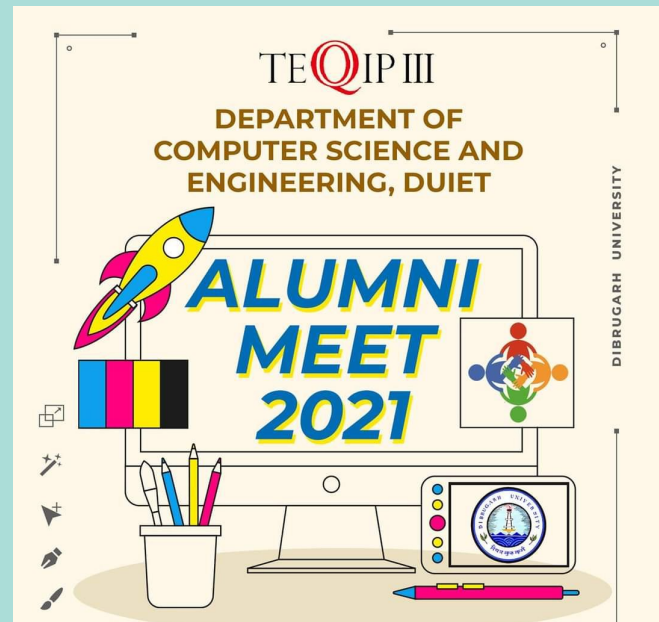
ALumini Meet 2021

Department Of CSE, DUIET in collaboration with TEQIP 3 organized Alumni Meet 2021, on 24th March 2021. Passed Out seniors of the Department were invited to this occasion. Starting with a welcome speech from faculties and HOD, the alumnus shared their memories in the institution and also shared valuable knowledge from their experience in life to help the current students in building successful careers in the future. The whole event became a grand success as everyone enjoyed and gained knowledge throughout the event.

NATIONAL SERVICE SCHEME(NSS)

National Service Scheme (NSS) PG Unit Dibrugarh University organized its Special Camp 2021 with the theme "Sustainable University Campus" from 27th January to 31st January 2021. A total of 60 volunteers of the unit participated in the special camp. The camp was designed and coordinated by Dr. Amar Upadhyaya, Programme Officer of the Unit. The inauguration ceremony was held on 27th January at Indira Miri Conference hall with the presence of Dr. Devid Kardong, NSS Programme Coordinator, NSS Cell, DU, Prof. Nitul Kumar Gogoi, Prof. Kalyan Bhuyan, Dr. Pranjal Buragohain, and Dr. Amar Upadhyaya. A series of activities were conducted to empower the volunteers of the unit. Talk on Blood Donation, Yoga practices, Civil defense training, School visit, the Creation of Fruit gardens on the campus, Cleanliness drive in the DU HAT area, Survey on Waste Management were some of the important activities of the camp. The theme of the camp was chosen in line with Sustainable Development Goals 2030. Dr. Adity Sharma, Professor, Pathology Department, Assam Medical College, Mr. Satya Changmai, Assistant Professor, DU, Mr. Prasanta Gogoi, from district administration were the resource persons in different events of the camp. The camp was ended with a certificate distribution ceremony on 31st January and the same was attended by Dr. Devid Kardong and Dr. Himadri Barman. Mr. Mrinal Gogoi was chosen as the Best volunteer of the Special Camp. The Programme Officer, Dr. Amar Upadhyaya offered thanks to all members of the University family for their support and guidance.

In addition to these, many blood donation camps, free medical check-ups for the villagers, visiting Child-orphanages and Old age homes are occasionally organized to keep the students connected to the society and mark a significant role in its development towards the betterment of the society. DU NSS P.G Unit offers an opportunity for your freedom of expression and to be a catalyst of change. NSS provides a platform through which one could express himself/herself and do the part for society. *The motto of National Service Scheme is NOT ME BUT YOU.*

RECRUITMENT RECORDS

DEPARTMENT OF CSE

The Training and Placement cell of the CSE Department, DUIET is actively led by Dr. M. Tiken SIngh and Mr. Rabinder Kumar Prasad . A few recent placements are as follows -

DIKHIT KUMAR BHUYAN
COGNIZANT

ARJUN GOGOI
HCL TECHNOLOGIES

KASHMIRI MAHANTA
CAPEGEMINI, TCS

BIKASH BORUAH
INFOSYS

LAKHYA JYOTI NATH
CAPEGEMINI

SOUMARJIT GOGOI
COGNIZANT

Some snaps of 2017-21 Batch

DEPARTMENT OF CSE

"Take up one idea. Make that one idea your life – think of it, dream of it, live on that idea. Let the brain, muscles, nerves, every part of your body be full of that idea, and just leave every other idea alone. This is the way to success."

- Swami Vivekananda