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Bits & Bytes

Offical Newsletter of
ELECTRONICS AND TELECOMMUNICATION DEPARTMENT

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VISION

To prepare academically excellent, research oriented, competent resources in the relevant field of engineering.

MISSION

- To provide students with quality and value-based education for academic excellence.
- To carry out research in the relevant field for societal and environmental development.
- To build up leadership quality, professional creativity and ethics in the student thereby, making them competent, industry-ready and socially responsible professionals.

ABOUT THE DEPARTMENT

The Department of Electronics and Telecommunication Engineering (ETC) was established in the year 2009. The Department of ETC offers B.Tech. programme (4years) in Electronics and Telecommunication Engineering. Since the inception, the Department offers wide range of courses which address almost the entire arena covering VLSI, Microwave engineering, Communication, linear electronics, signal processing to mention a few. The department aims to create competent Electronics and Telecommunication engineers to serve the needs of modern advance technology and the nation as a whole.To compete these the department has well equipped laboratories like Electronics Device lab, analog electronics lab, VLSI lab, Microprocessor, Embedded system lab, Optical Communication lab, Communication lab, measurement lab mentioning a few with various modern software's and instruments. Keeping in mind of day to day advancement in electronics technology, the syllabus of the programme has been updated with new credit system(Credit Based Assessment System) following the model syllabus provided by AICTE. Students of ETC do their internship training at different organizations like BSNL, OIL, ONGC, NRL, in research labs etc. Passed out students have been successfully placed in different leading organizations like Capgimini, TCS, Wipro, Infosys, Zaloni etc with some of the students have pursued higher studies in IITs, IIMs and in abroad.

From HOD's Desk

Greetings! I am very happy to share the achievements of the faculty members, students and former students of the department in the departmental newsletter Bits & Bytes (Vol 3, Issue 2) for the duration January 2024 to March 2024. I am thankful to all the faculty members, teaching and non-teaching staffs and students for their limitless support and sincere efforts for the betterment and development of the department. I am very much thankful to the alumni of the department for their responses, as and when needed by us. I congratulate the editorial team and wish them luck.

Dr. Sanyukta Chetia
HOD & Asst. Prof.

Departmental Activities

- The first Continuous Internal Evaluation (CIE) was conducted for students in the 2nd, 4th, 6th, and 8th semesters on February 15th, 16th, and 17th.

- On February 10th, Professor Prabir Barooah from the Department of Electronics and Electrical Engineering at IIT Guwahati administered an aptitude test, followed by personal interviews, to second-year students. This served as the selection process for a coveted summer internship under his mentorship at the esteemed institution.

- The second Continuous Internal Evaluation (CIE) was conducted for students in the 2nd, 4th, 6th, and 8th semesters on March 12th, 14th, and 15th.

Faculty Activities

- Dr. Sanyukta Chetia attended an 1-Day Webinar on Career Opportunities in Hardware and Electronics, organized by Centre for Development of Advanced Computing (C-DAC), Centre in North-East (CINE) on 15 March 2024.

- Dr. Sanyukta Chetia attended 1-Week National Level FDP on Electric Vehicles, organized by Department of Mechanical Engineering, Padm. Dr. V.B. Kolte College of Engineering, Malkapur, Dist- Buldana, Maharashtra, India- 443101 from 22 January to 27 January, 2024.

- Dr. Sanyukta Chetia published a paper in the Proceedings of the International Conference on Contemporary Researches in Engineering, Science, Management & Arts (ICCRESMA) created and powered by Centre for Research and Training (CRT), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India, 22nd to 24th February 2024, pp.36.

- Dr. Satyajit Das presented an article "A numerical approach to investigate the effect of work function on the important cell parameters of Heterojunction Solar cell". At the DST SERB sponsored International Conference on Devices, sensors and Systems (CoDSS) 2024 organized by Department of Electronics and Communication Engineering Tezpur University, Assam during 10 -11, February 2024.

- Dr. Satyajit Das undergone 1 week STTP on "Research Paper writing and Publishing in High impact journals" conducted by NIT, Nagaland (26th Feb to 1st March, 2024).

Faculty Activities

- Dr. Satyajit Das delivered an Expert talk on "Process of Innovation Development, Technology Readiness Level (TRL), Commercialization of Lab Technologies & Tech transfer" on 01/03/2024 at Assam Down Town University organized by the Institution Innovation Council (IIC) in collaboration with the Faculty of Engineering, Assam Down Town University.

- Dr Satyajit Das reviewed an article in Journal of King Saud University.

- Dr. Satyajit Das reviewed an article in Qeios Journal.

- Dr. Satyajit Das act as an Assistant Returning Officer for the JISTSU Election -2024 held in March 2024.

- Dr. Satyajit Das performed the duty of External Evaluator for the Gunotsav-2024 held in January 2024.

- Mr. Pranjal Das participated in STTP on Research Paper Writing & Publishing in High Impact Journal" organized by NIT Nagaland during 26th Feb to 1st Mar 2024(ONE WEEK).

- Mr. Pranjal Das Participated in STTP on "Next Generation AI – Research Perspectives "organized by NIT Nagaland during 18th Mar to 22nd Mar 2024 (ONE WEEK).

- Miss Kabita Chaudhury attended one week FDP on industrial instrumentation organised by NITTTR kolkata from 19th Feb to 23rd Feb, 2024.

Student Activities

- Poulastha Mukherjee of 8th semester conducted the Google Solution Challenge under GDSC, focusing on leveraging Google technology to address one or more of the United Nations' 17 Sustainable Development Goals.

- Rim Baruah and Madhurjya Saloi of 4th semester participated in the Google Solution Challenge. Rim's team secured a spot in the regional bootcamp held in Delhi NCR, while Madhurjya's team earned selection for the regional bootcamp in Kolkata.

- Indarjeet Singh and Gautam Das of 4th semester achieved second place in the Robo Race competition hosted by Tech Axom at Assam Engineering College.

- Rim Baruah of 4th semester secured third place in a speech competition organized by the Women's Cell of JIST on the occasion of International Women's Day 2024.

- Adhiraj Borah of 8th semester secured the 1st position in an online essay competition conducted on the occasion of National Voters Day.

Student Activities

- Adritanaya Buragohain and Sikha Choudhary of 4th semester effectively participated in a two-day offline workshop on AI and Machine Learning with Data Science, organized by Ethical Edufabrica Pvt. Ltd. in collaboration with Alcheringa '24 at the Indian Institute of Technology Guwahati. The workshop took place on March 9th and 10th.

- Projanya Bordoloi successfully completed the Remark Skill Technical workshop on AI and Machine Learning, conducted in collaboration with Alcheringa '24 at the Indian Institute of Science and Technology. The workshop spanned two days, held on March 6th and 7th.

- Adritanaya Buragohain and Sikha Choudhary of 4th semester actively participated in the IEEE EDS 1-day mini colloquium on Electronics Devices and Sensors organized by the Department of Electronics and Communication Engineering at Tezpur University. The event, held in collaboration with the IEEE Electron Devices Society Kolkata chapter, took place on March 8th at Tezpur University.

- The students of the department actively participated in 'Vikshit Bharat 2047: A Vision for India in 2047'.

GATE EXAM

Anubhab Sharma
8th sem

Bhargav Mahanta
8th sem

Prantik Das
8th sem

Uzzal Pait
8th sem

Jugasmita Kalita
6th sem

Students who have qualified Graduate Aptitude Test in Engineering (GATE), 2024

Alumni Section

- Mr. Nilabh Nayan Borthakur, a distinguished alumna from the graduating class of 2016-2020, has joined EdgeVerve, the esteemed product subsidiary of Infosys as a Senior Systems Engineer - EV within the Finacle Core Architecture & Research Division, commencing from February 28th, 2024.

- Ms. Prapti Borthakur has recently joined the dynamic team at Moonpreneur, where she serves as a Project Guide.

- Ms. Supriya Khatoniar, an alumnus of the 2016-2020 batch, has achieved a significant milestone this year by qualifying the Graduate Aptitude Test in Engineering (GATE).

- Mr. Animesh Gogoi, a graduate from the class of 2019-2023, has secured a prestigious position as a Functional Safety Engineer at NXP Semiconductors.

- Mr. Sanjib Saikia, from the 2015-2019 batch, has joined Walmart as a Data Engineer, contributing his skills to the forefront of data innovation.

- In the March Past event, our department achieved 3rd position.
- Our football team secured the 2nd position in the tournament.
- The girls' volleyball team clinched the 1st position in their category.
- Our boys' basketball team achieved the 2nd position in the tournament.
- Our department was awarded the Best Theme in the Wall magazine competition.
- The Mime performance from our college secured the 3rd position.
- Our MLBB teams achieved the 2nd and 3rd positions in the competition.
- Jishantu Kripal Bordoloi, an 8th-semester student, won the 1st position in Poem Recitation, while Rim Baruah from the 4th semester secured the 2nd position.
- In the Extempore Speech competition, Jishantu Kripal Bordoloi secured the 2nd position, and Rim Baruah secured the 3rd position.
- Rim Baruah from the 4th semester and Jishantu Kripal Bordoloi from the 8th semester secured the 2nd position in the Debate Competition.

COLLEGE WEEK ACHIEVEMENTS

- Bhaskar J Nath, an 8th-semester student, secured the 3rd position in Story Writing Competition
- Nikita Yadav from the 4th semester secured the 1st position in Table Tennis.
- Sashwat Das from the 4th semester secured the 2nd position in Solo Instrument performance.
- In the Boys' Badminton event, our team secured the 2nd position.
- Bharat Sonowal from the 1st year secured the 1st position in Solo Shotput.
- Bharat Sonowal from the 1st year secured the 1st position in Solo Discuss Throw.
- Indrani Hazarika from the 4th semester secured the 2nd position in Solo Modern Dance.
- Indrani Hazarika from the 4th semester secured the 3rd position in Solo Classical Dance.
- Amlan Jyoti Dutta from the 8th semester secured the 1st position in Arm Wrestling (75-85 kg), while Bharat Sonowal from the 1st year secured the 3rd position.
- Adhiraj Bora secured the 2nd position in Arm Wrestling (above 85 kg).
- Pragyan Sen Deka from the 8th semester secured the 2nd position in Chess.

COLLEGE WEEK

ACHIEVEMENTS

- Pragyan Sen Deka and Uzzal Pait from the 8th semester secured the 3rd position in Carrom.
- Pragyan Sen Deka from the 8th semester secured the 2nd position in Best Actor.
- Abhishek Pujari from the 6th semester received the Judge Special Award in Drama.
- Ayan Aabir Sarmah from the 8th semester secured the 2nd position in Arm Wrestling (75 kg).
- Ayan Aabir Sarmah from the 8th semester secured the 1st position in Long Jump.
- Ayan Aabir Sarmah from the 8th semester secured the 2nd position in Shotput.
- Ibtesum Muhib from the 8th semester secured the 1st position in Arm Wrestling (below 50 kg).
- Ibtesum Muhib from the 8th semester secured the 2nd position in Discuss Throw.
- Swati Mahanta from the 4th semester secured 3rd position in Arm Wrestling.
- Serlibon Kungri Terangpi from the 4th semester secured the 2nd position in Marathon.
- Ujjal Pait from the 8th semester secured the 3rd position in Discuss Throw, and in Carrom, along with Pragyan Sen Deka

COLLEGE WEEK ACHIEVEMENTS

GALLERY SECTION

Few glimpses of college week, 2024

GALLERY SECTION

EDITORIAL BOARD

Editor in Chief

Dr. Sanyukta Chetia
HOD & Asstt. Prof.

Advisor

Mrs Kavita Chaudhary
Assistant Professor

Student memebers

Debanga Baruah
6th sem

Pijush Dutta
6th sem

Rim Baruah
4th sem

Rubul Hoque Choudhury
2nd sem