OFFICIAL NEWSLETTER

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ELECTRONICS AND TELECOMMUNICATION DEPARTMENT

Bits & Bytes

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VISION

To prepare academically excellent, research oriented, competent resources through quality and value based education and to carry out research and technology in relevant field of engineering to meet the needs of current industries, society and nation.

MISSON

>> To impart quality and outcome based education in achieving academic excellence.

>> To create conductive environment for effective research for sustainable development.

>> To prepare competent and industry ready students with professional ethics and team working capabilities.

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 and 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 and Measurement lab are a few with various modern softwares 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 from ETC department do their internship training at different organizations like BSNL, OIL, ONGC, NAL, in research labs etc. Passed out students have been successfully placed in different leading organizations like Capgimini, TCS, Wipro, Zaloni etc with some of the students pursuing their higher studies in IITs, IIMs and even abroad.

FROM HOD'S DESK

Greetings! I am pleased to continue to bring our readers the next issue of Departmental Newsletter - Bits & Bytes (Vol 2 issue 2). This issue enumerates the various activities and achievements of our faculty members, students and alumni in the month of January 2023 to March 2023. 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 wish all the students a bright journey of learning in the field of ETC and congratulate the Editorial team for their effort in bringing out this issue.

Best wishes!

Dr. Sanyukta Chetia
Asstt. Prof. & HoD

Departmental Activities

- 7th Semester Project Presentation were conducted on 9th January 2023.
- Brainstorming session was held to finalize the CO's and CO-PO-PSO on 17th January, 2023. Mr. Satyajit Das presented the course file for the subject Digital Circuits of B. Tech 3rd semester.
- Dr. Rewrewa Narzary , joined as an Assistant Professor of ETC department on 6th March 2023.
- CIE-1 for the 4th, 6th & 8th semesters were held on 27th, 28th and 29th of March 2023.

Faculty Activities

Mr. Satyajit Das published a paper entitled "Das S, Sahu PP. CeO2 NPs Based Capacitive Sensor for Quantification of Limonin in Citrus Limetta Juice. IEEE Sensors Journal. 2023 Feb 6;23(7):7591-8".

Dr. Sanyukta Chetia attended a 1-Day webinar on Designing Course Outcomes and Outcomes-Focused Questions, organized by In Pods Ed-tech on 7/1/23.

Project student Pranjit Roy presented a paper entitled "Quality of Egg detection using fuzzy logic" on 24-25 February, 2023 in NABSET-2023 organized by school of Technology, Assam Don Bosco University, Assam (under the guidance of Mr. Satyajit Das).

Mr. Satyajit Das was appointed as an Assistant coordinator of institutional AICTE committee for approval process.

Mr. Satyajit Das was entrusted with the responsibility of joint treasurer on February JISTSU-2023.

Mr.Satyajit Das was engaged as an Assistant office in charge for CWT-2023.

Mr. Satyajit Das was appointed as a committee member to screen the applications for engagement of Assistant Professor in ETC dept, JIST.
Dr. Sanyukta Chetia Appointed as a Club Executive Member of National Digital Library of India Club (NDLI Club).

Mr. Satyajit Das was appointed as External evaluator for Gunotsav 2023 held on February 2023 under Govt of Assam.

Mr. Pranjal Das participated in STTP Refresher Course on "NBA Accreditation and SAR Preparation for Polytechnics and Engineering Colleges (PS72)" organized by NITTTR Kolkata during 27/02/2023 to 03/03/2023.

Mr Pranjal Das was appointed as an Assistant officer in-charge for the Recruitment Examination of CWT-2023.

Mr Pranjal Das was appointed as the member of Bus tender committee, JIST.

Mr Pranjal Das was appointed as the Treasurer, JISTSU.

Dr Sanyukta Chetia and Miss Bhagyashree Deka, was appointed as an external and internal examiner of Basic Electronics Lab on 22nd February,2023.

Faculty Activities

Mr Pranjal Das was appointed as an external examiner and Miss Sikha Swarnakar, was appointed as an internal examiner of Signal and system Lab on 22nd February,2023.

Mr. Satyajit Das was appointed as an external examiner and Miss Swati Singh, was appointed as an internal examiner of Digital Circuits Lab on 23rd and 24th February,2023.

Miss Bhagyashree Deka, was appointed as an external examiner of Network Theory Lab on 24th and 25th February,2023

Miss Sikha Swarnakar was appointed as a Major Project coordinator of End term Project- II held on February,2023 and scrutinizer of 7th semester end term examination.

Miss Swati Singh was appointed as the internship coordinator, GAPBR coordinator and scrutinizer of 7th semester end term examination.

Miss Swati Singh, was appointed as an internal examiner of VLSI Lab.

Miss Bhagyashree Deka, was appointed as an Mini project coordinator of 5th semester end term examination.

Miss Bhagyashree Deka and Miss Sikha Swarnakar was entrusted as the editor of 'BARTA BITHIKA', an annual newsletter of Women's Cell, JIST.

Mr. Pranjal Das was Invited as Resource Person of the workshop “Robotics & Electronic Circuit Design -23” in Jorhat Science Centre & Planetarium on 22nd Jan, 2023.

Miss Sikha Swarnakar was appointed as a judge of "Debating Competition on the occasion of Y20/G20 summit held on 28th January, 2023.

Das Satyajit, Sahu PP. published a book chapter -Green Synthesis of Cerium Oxide Nanoparticles and Its Recent Electrochemical Sensing Applications: A Study. Handbook of Sustainable Materials: Modelling, Characterization, and Optimization. 2023 Mar 31:177-92.

Students Activities

1. Jishantu Kripal Bordoloi, Anubhab Sarma, Pijush Dutta and Polakshi Thakur from ETC department, won the competition "North East Entrepreneurship Drive (NEED)" organised by IIT GUWAHATI.

2. Ibtesum Muhib of 6th semester, Jitul Deka of 6th semester and Bitupan Amsong 8th , participated in Yuva Sangam youth exchange program, an initiative by the Government of India under the aegis of Ek Bharat Shreshtha Bharat in IIT Jammu.

3. Poulastha Mukherjee, student of 6th sem ETC,

~ Got selected as a contributor for GirlScript Summer of Code'23.

~ Got accepted as an Open Source Contributor at Social Summer of Code Season 2.

~ Got shortlisted till the final interview round for GDSC Lead 2023.

~ Got selected in the final Pre Incubation Round at NEEDP (North East Entrepreneurship Development Programme) 2023 with the association of Tezpur University.

~ Developed and deployed the first ever faculty management system for the Department of ECE, Tezpur University.

Students Activities

4. The following students from ETC department had contested on the respective positions in the general elections of JISTSU held in March and won with tremendous support.

Krishna Kumar Das
General Secretary

Ayan Aabir Sharmah
Major Game Secretary

Chinmoy kumar
Literacy and Magazine Secretary

Rahul Prasad
Training and Placement Secretary

Students Activities

5.The pitching competition winning team lead by Jishantu Kripal Bordoloi has successfully established the Entrepreneurship Cell in JIST.

About E-Cell

An entrepreneurship cell is a platform in colleges that cultivates an entrepreneurial mindset among students. It's crucial as it provides guidance, resources, and opportunities to develop entrepreneurial skills, encourages innovation, and nurtures the next generation of entrepreneurs.
Let's empower young minds for a brighter future!
It is crucial in our institute that helps the students develop an entrepreneurial mindset among students.
Some of the significant achievements are:

✓ **Two collaborative events with Institution Innovation Council.**

✓ **Collaboration with GivemyCertificate for certification purposes.**

You can follow them on the following socials:

instagram.com/ecell_jist

linkedin.com/company/ecell-jist

Alumni Section

- Miss Upasana Dutta , an alumni of JIST , was selected as an Assistant Manager at Gramin Vikas Bank.

Message from Upasana Dutta

Determination and perseverance plays a huge role in our life. Always be determined on what you want and work thoroughly to reach your goal. Best wishes to all!

- TitikhyaBaruah, an Alumni of JIST, was selected as an Assistant Manager in Gramin Vikas Bank.

Message from Titkhya Baruah

Your preparation, efforts, hard work, and determination decide your success- nothing else. Be your own sunshine, work hard, and make yourself feel worthy.

- Akash Pachar, a student of 2020 batch, was selected as an Probationary Officer in Central Bank Of India

Etc faculties with External Dr Akhim Gogoi during 7th semeseter Project Progress Presentation.

Gallery Section

Jishantu Kripal Bordoloi, Anubhab Sarma, Pijush Dutta and Polakshi Thakur from ETC department, won the competition "North East Entrepreneurship Drive (NEED)" organised by IIT GUWAHATI.

Editorial board

Editor in Chief

MISS SIKHA SWARNAKAR
Assistant Professor

Advisor

MRS KABITA CHAUDHARY
Assistant Professor

ANUBHAB SARMA
6th semester

/ Anubhab Sarma

JISHANTU KRIPAL BORDOLOI
6th semester

/ Jishantu Kripal

DEBANGA BARUAH
4th semester

/ Debanga Baruah

PIJUSH DUTTA
4th semester

/ Pijush Dutta