JANUARY 2022
FIRST ISSUE

QUATERLY

Bits AND Bytes

THE OFFICIAL NEWSLETTER OF ELECTRONICS AND TELECOMMUNICATION BRANCH

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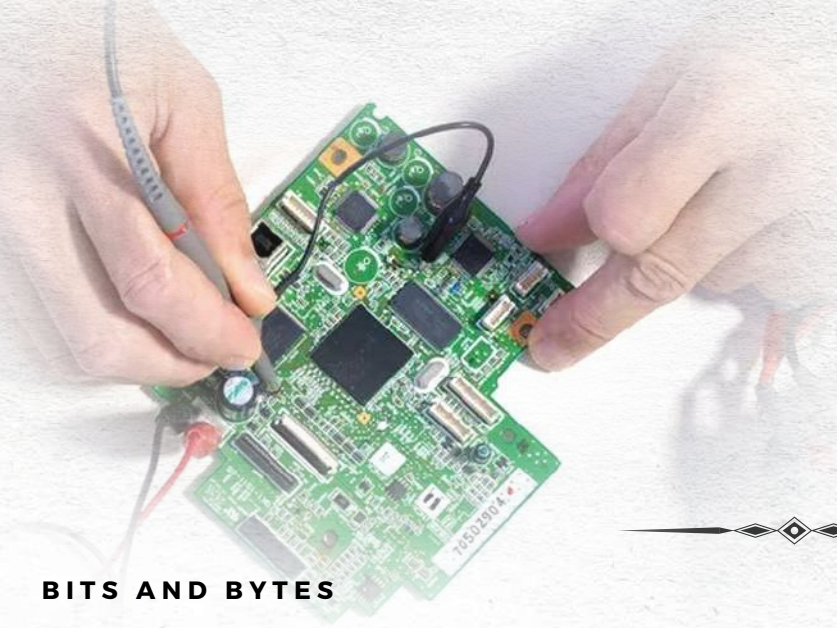
MISSION:

- To provide students with the theoretical knowledge blended with practical skills thereby building core competence of students.
- To build up leadership quality and professional creativity in our students.
- To carry out research through constant interaction with research organization and industry.
- To enable students to organize various technical events which will bring out their inherent talents.

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.



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DEPARTMENT OF ETC

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, Zaloni etc with some of the students have pursued higher studies in IITs ,IIMs and in abroad.

FROM PRINCIPAL'S DESK

I feel privileged to send a message for the inaugural issue of ETC Newsletter. Newsletter, going by its etymological meaning, is informal news. However, as an official document, departmental newsletter takes a formal identity. It is supposed to showcase the academic and extra/Co-curricular activities of students, non-teaching staff and faculty members. I believe, this quarterly publication will bring out the best of all stakeholders of ETC Department and enthuse all concerned towards continuous all round development of the department.

DR. ATANU KUMAR DUTTA
PRINCIPAL
JORHAT INSTITUTE OF SCIENCE AND TECHNOLOGY,
JORHAT

FROM HOD'S DESK

I am very happy that our **Electronics and Telecommunication Engineering department** is releasing 1st issue of "Bits and Bytes" as a reflection of department activities. It is a technical platform to bring out the hidden talents of students and faculty. The major strength of the department is a team of well qualified and dedicated faculty and staff who are continuously supporting the students for their academic excellence.
I invite the readers of "**Bits and Bytes**" for their valuable contributions and suggestions for the forthcoming issues.

MR.PRANJAL DAS
ASSISTANT PROFESSOR
H.O.D
DEPT OF E.T.C

DEPARTMENTAL ACTIVITIES

- An online departmental farewell was organized for the 2021 outgoing batch on 25th July.
- A departmental meeting was held on 25th August regarding subject allotment for the odd semesters, 2021.
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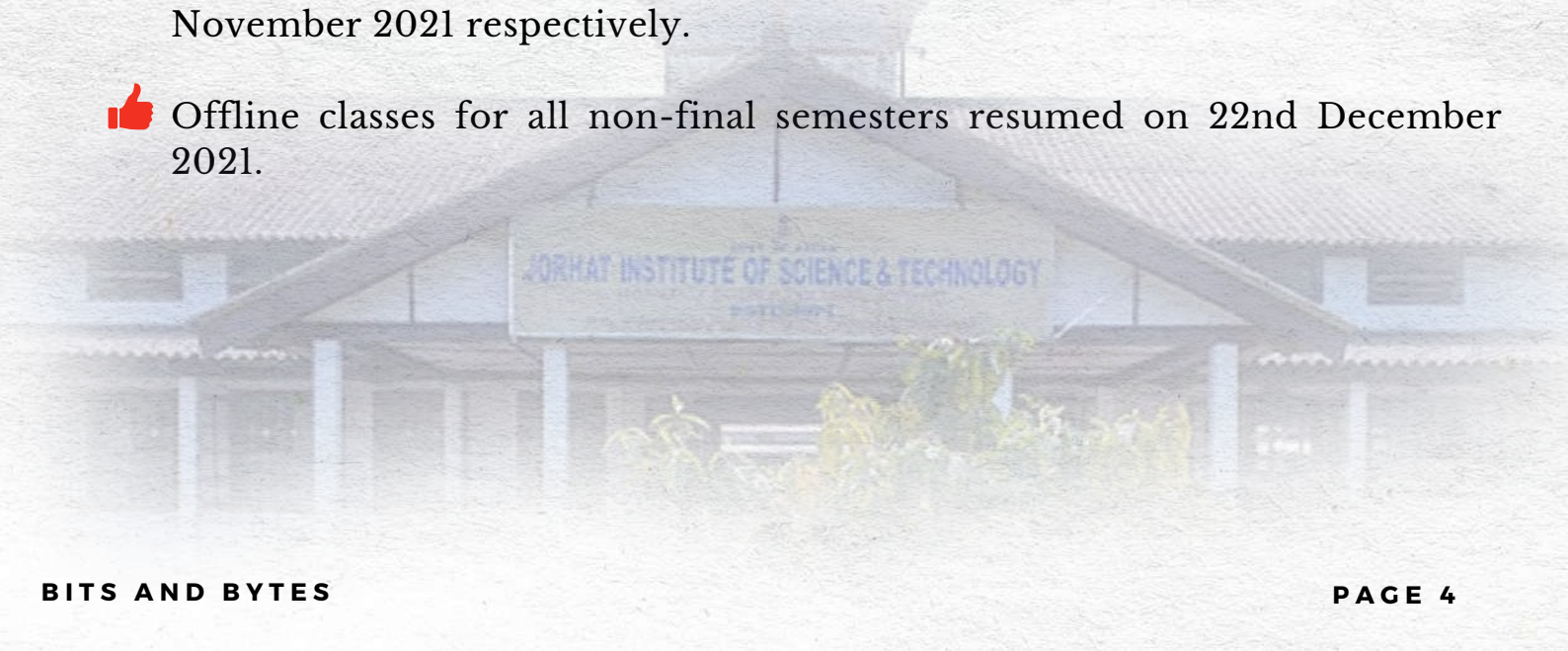
- Offline classes for the final semester started on 6th September 2021.
- CIE - 1 for the 3rd, 5th and 7th semesters were held on 6th, 7th and 8th October 2021 respectively.
- A departmental meeting was held on 8th October 2021 regarding guide allotment for the final year project.
- Student's feedback were taken via google form regarding course coverage on 9th October 2021.
- An online departmental induction program was conducted for 1st-year students on 25th October 2021 .
- CIE - 2 for the 3rd, 5th and 7th semesters were held on 16th, 17th and 18th November 2021 respectively.
- Offline classes for all non-final semesters resumed on 22nd December 2021.



FACULTY ACTIVITIES

- Mrs.Kabita Choudhary attended a Short Term Training Program on "Blockchain Technologies and use cases III " organized by Vishwakarma Institute of Information Technology from 28th Dec 2020 to 2nd Jan 2021.
- Mr.Satyajit Das attended one week FDP on "Research Methodology" organized by NIT, Manipur from 27th to 31st January 2021.
- Dr.Sanyukta Chetia & Mrs. Kabita Chaudhury attended AICTE-ISTE Induction Program on "Outcome Based Pedagogy Principle for teaching learning in Engineering Education" organized by Nowgong Polytechnic from 22nd to 27th February 2021.
- Mr.Satyajit Das attended one day Workshop on "Micro/Nano Electronic Devices and Sensors" organized by Tezpur University, Tezpur on 27th February 2021.
- Mr.Satyajit Das attended one week Short Term Training Program on "Simulation, Modelling & Application of Advanced Semiconductor Devices " organized by Harcourt Butler's Technical University, Kanpur from 5th to 9th June 2021.
- Dr.Sanyukta Chetia attended one week FDP (AICTE Training & Learning Academy) on "Future Perspective of Semiconductor Devices "organized by Kalasalingam Academy of Research & Education from 21st to 25th June 2021.
- Dr.Sanyukta Chetia has been awarded honorary title of Doctorate on 31st July 2021 by the Dept. of ECE , Gauhati University , Guwahati.
- Dr.Sanyukta Chetia attended one week online FDP (AICTE training and Learning Academy) on "Emerging Trends in OFC Technology "organized by NITTTR, Chandigarh from 2nd to 6th August 2021.

FACULTY ACTIVITIES

- Mr.Pranjal Das was appointed as a co-ordinator for CEE counselling process , JIST, 2021.

- Mrs.Kabita Chaudhury and Miss Swati Singh were appointed as verifying officer for CEE counselling process, JIST, 2021.

- Dr.Sanyukta Chetia has been appointed as a content writer for B.Sc. General Computer Science 4th Semester programme for the course Computer system & Architecture by K.K. Handiqui State Open University , 2021

- Mr.Pranjal Das, Dr.Sanyukta Chetia, Mrs. Kabita Chaudhury, Mrs. Bhagyashree Deka, Miss Sikha Swarnakar and Miss Swati Singh attended a one day workshop on " Aligning Engineering & Polytechnic Education in the line of National Education Policy, NEP 2020: Creating a road map for the state of Assam" organized by AICTE on 12th November 2021.

- Dr.Sanyukta Chetia attended one week online FDP (AICTE Training and Learning Academy) on "Road- Response Effectiveness , Organising Self, Attitudinal Shift & Decision Making" organized by Gauhati University from 22nd to 26th November.

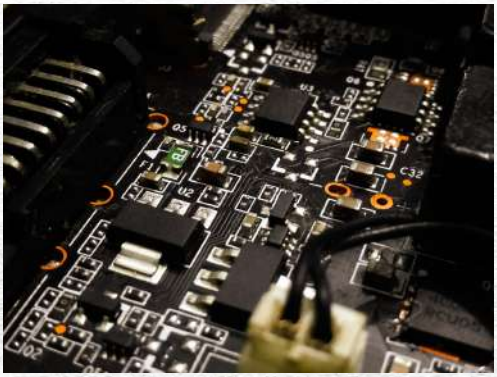
- Mrs.Bhagyashree Deka and Miss Sikha Swarnakar attended one week online FDP on "Universal Human Values" organized by AICTE from 22nd to 26th Nov 2021.

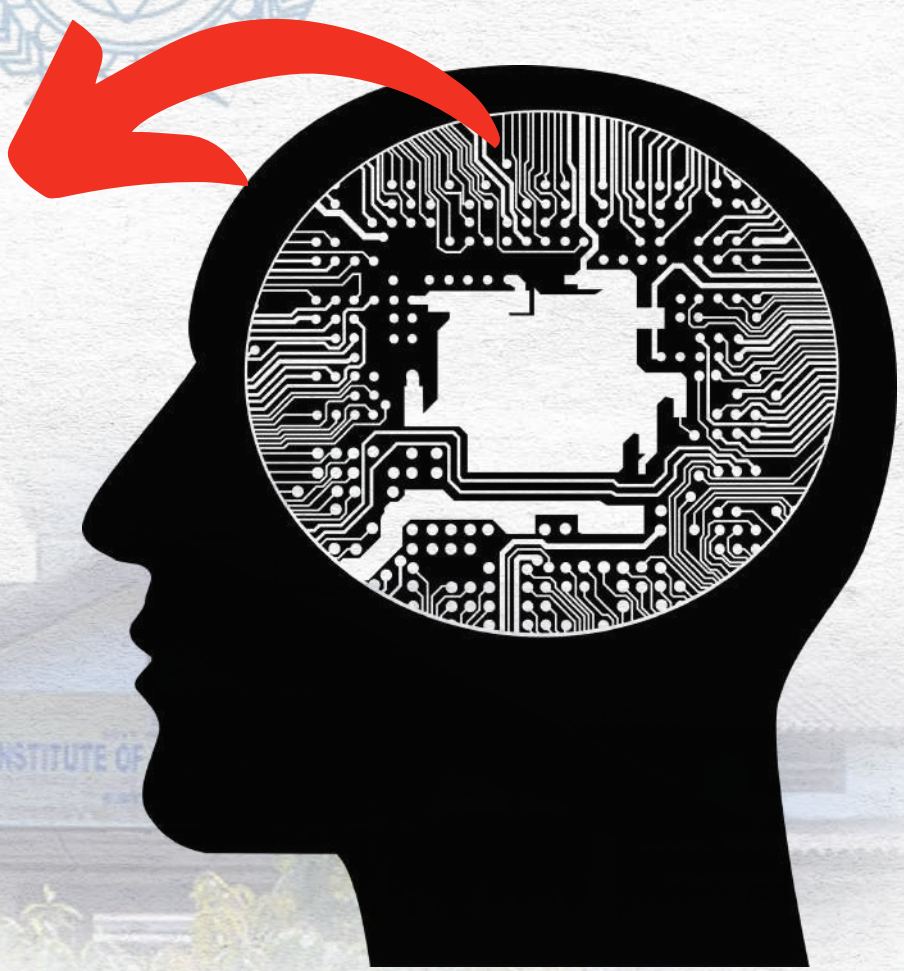
- Mrs.Kabita Chaudhury attended two days Workshop titled "Vehicular Communication Technology evaluation towards 6G " organized by IIIT Delhi on 17th & 18th December 2021.

- A paper titled " Design & Development of IDE Sensor for naringin quantification in pomelo juice : An indicator of citrus maturity" authored by Arun Kumar Gupta, Satyajit Das, Partha Protim Sahu, Poonam Mishra published in the Elsevier Journal on 21st December 2021.

STUDENTS ACTIVITIES

- Yash Gupta, a student of 7th Semester got placed in Capgemini as a Senior Analyst.
- Abhishek Chakraborty, a student of 7th Semester got placed in KPIT as a Trainee Engineer.
- Abhishek Chakraborty, a student of 7th Semester initiated a small-scale start up named as Excel kids hub where activities like Coding, chess, Art/Craft & movies are taught.
- Ayan Aabir Sarmah, a 3rd Semester student won second runner up titled as “Jr.Men’s bermuda Model” in All Assam Bodybuilding competition held in Tezpur on 14th Nov 2021 .





ALUMNI SECTION

- Akib Ali Sarkar, an alumnus of 2021 batch is working in TCS as an Assistant System Engineer.
- Guarab Kumar Dey, an alumnus of 2021 batch is working in Capgemini as a Senior Analyst.
- A paper titled " Automatic Gate Control with Digital Monitored Parking Area" authored by Dipankar Haloi, an alumnus of 2017 batch & Mr. Pranjal Das, Assistant Professor, HOD published in the International Journal for Research in Engineering Application & Management on 13th Oct 2021 .
- Krishanu Bora, an alumnus of 2020 batch cleared GATE 2021 and is pursuing M.Tech from NIT Silchar in Micro Electronics and VLSI Design.
- Manash Bordoloi , an alumnus of 2020 batch cleared GATE 2020 and is pursuing M.Tech in Signal Processing and Machine learning from NIT Surathkal .
- Mrinanka Dhar , an alumnus of 2020 batch cleared GATE 2020 and is pursuing M.Tech in "EI" from NIT Rourkela .
- Supriya Khatoniar and Kritikesh Maurya , an alumni of 2020 batch are pursuing M.Tech in " Electronics Design and Technology " from Tezpur University .
- Sharukh Sultan, an alumnus of 2020 batch is pursuing MS in " Computer Science and Knowledge Discovery" from ETU LETI , RUSSIA.
- Adil Lafar Laskar , an alumnus of 2020 batch is pursuing M.Tech in " Bioelectronics " from Tezpur University.
- Swabnam Buragohain , an alumna of 2020 batch is pursuing M.Tech from NIT Agartala .
- Nilabh Nayan Borthakur and Priyanka Prasad , an alumni of 2020 batch are working in TCS as an Assistant system Engineer.

EDITORIAL BOARD

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ASSISTANT PROFESSOR, ETC

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MISS SWATI SINGH
ASSISTANT PROFESSOR, ETC

STUDENT MEMBERS:

RAHUL AMIN (7TH SEM)
CHANDAN RAJBONGSHI (5TH SEM)

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