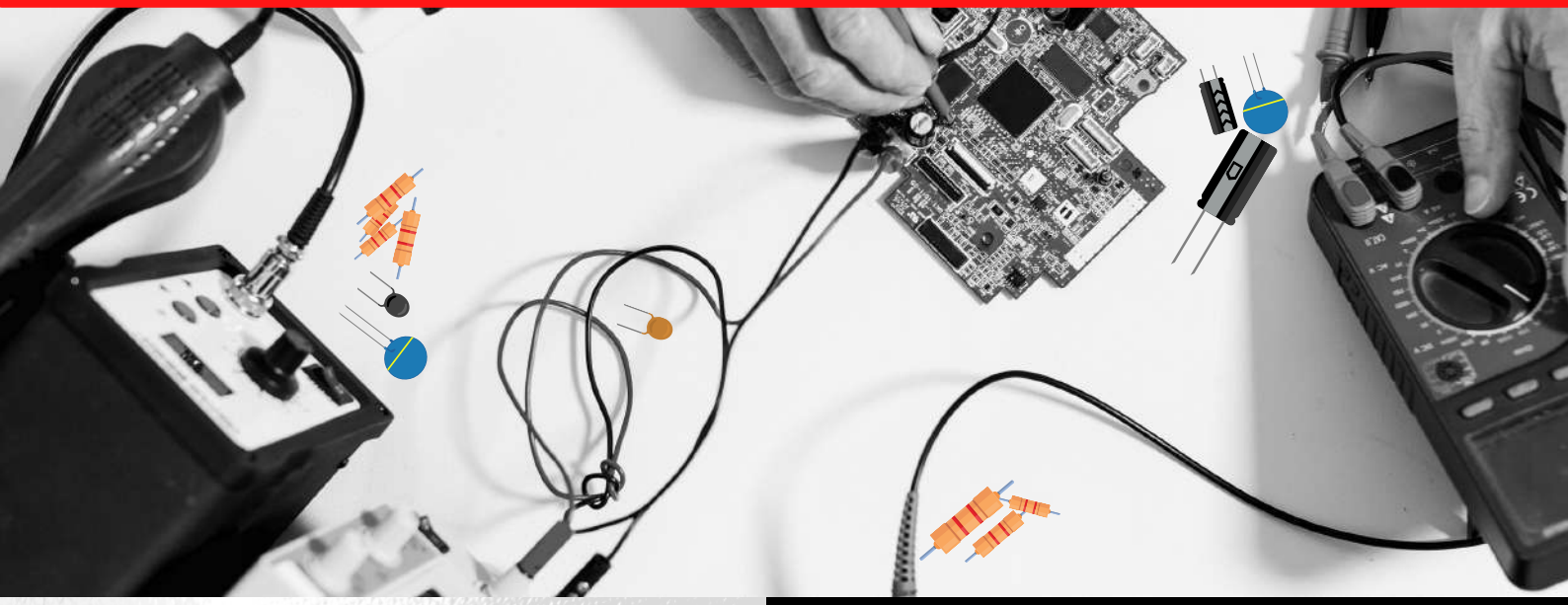
APRIL 2022
SECOND ISSUE

QUATERLY

Bits AND Bytes

THE OFFICIAL NEWSLETTER OF ELECTRONICS AND TELECOMMUNICATION BRANCH



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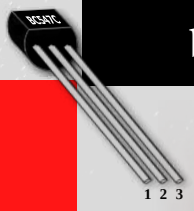
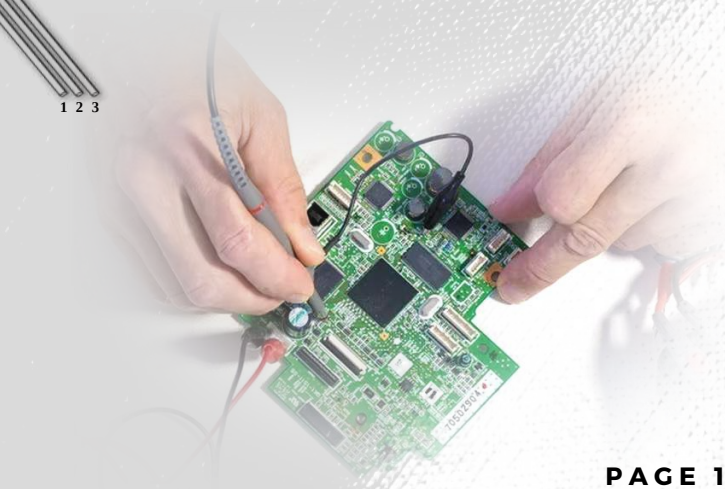
MISSION:

- 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.





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.

DEPARTMENT OF ETC

FROM HOD'S DESK

It gives me immense pleasure to announce that the Department of Electronics and Telecommunication Engineering of JIST is publishing the second issue, Bits and Bytes, the quarterly newsletter of ETC Dept. This issue reflects all the significant events taken place in the department from 1st January 2022 to 31st March 2022.

As per the Minutes of Meeting held at the Professors' Common Room, JIST on 10.02.2022,it was decided that the S shaped pond in the college will be maintained by ETC department. So let us work together to maintain the same.

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

DEPARTMENTAL ACTIVITIES

- 3rd ,5th and 7th semester Lab exams,Industrial and Project Seminars were conducted between 7th to 16th March 2022.

- Dr Ashim Jyoti Gogoi ,Assistant Professor of the Assam Kaziranga University,Jorhat was invited as an External for the progress seminar of the Final Year Project on 15th March 2022.

- A Departmental meeting was held on 25th March 2022 regarding the following matters:-

  - The rubric for Final Year Project internal marks was adopted as prescribed by the Principal, JIST via email dated 23rd March 2022.

  - It was decided that hard copies of source file will be submitted to the NBA Departmental Coordinator at the end of every semester within 15 days.

  - Dr Sanyukta Chetia and Mrs Bhagyashree Deka were appointed as Editor and Advisor for the upcoming Departmental Magazine.

  - Following measures were decided for the maintenance of the Institute S-shaped pond:-

    - Plan for construction of sitting shed.
    - Plantation of Lotus and other such floras.

FACULTY ACTIVITIES

- A Paper titled “A novel electrochemical interdigitated electrodes sensor for limonin quantification and reduction in citrus limetta juice” authored by Mr Satyajit Das and Prof. Partha Pratim Sahu was published in the Elsevier Journal (Food Chemistry (2022):132248 , doi.org/10.1016/j.foodchem.2022.132248) on 29th January 2022.

- Mr Pranjal Das participated in a webinar on the topic “Recent Trends in Antenna Technology for Satellite Communication” organised by RF Microwave Research group of School of Electronics Engineering, KIIT Deemed to be University, Bhubaneswar & IEEE Antenna Propagation(AP) Society KIIT Students’ Branch on 29th January 2022.

- Mr Pranjal Das participated in a webinar of TCS NQT Session : 2021/2022/2023 Passout Batches organised by TCS NQT on 8th February 2022.

- Mr Pranjal Das participated in an IEI Technical Webinar on "Unequal Cities - Bringing Balance through Development of Smart Cities: IoT based Smart City Infrastructure and its Application Model" organised by Institution of Engineers (India) on 17th February 2022.

- Mrs Bhagyashree Deka and Miss Sikha Swarnakar have attended and successfully completed the Part 1 of the online “UHV Refresher 1” FDP organised by AICTE from 21st to 25th February 2022.

- Mr Satyajit Das attended one week FDP on “Integration of Renewable Energy and Smart Grids for Smart Cities” organised by Bansal Institute Of Engineering And Technology ,Lucknow from 7th March to 12th March 2022.

- Mrs Kabita Choudhary attended one-week online FDP on “AI and Machine Learning for IoT/EDA” jointly organized by NIT Patna and MNIT Jaipur from 7th March to 17th March 2022.

FACULTY ACTIVITIES

- Dr. Sanyukta Chetia attended one-day National Webinar on “Pi & its Contribution in Science” jointly organised by Department of Mathematics, Patharkandi College, Karimganj and Department of Mathematics Eastern Karbi Anglong College, Sarihajan on 14 March 2022.

- Mr Pranjal Das participated in one-day National seminar on "Artificial intelligence in Electrical , Electronics and communication Engineering" organised by Dept. of Electrical and Electronics Engineering & Dept. Of Electronics and Communication Engineering, BPIT-Delhi on 19 March 2022.

- Mr Pranjal Das participated in a webinar on "Industrial Consultancy & Research Projects" organised by AICTE.

- Mr Pranjal Das was appointed as Coordinator of Examination Cell (Engineering Stream) , JIST.

- Mr Pranjal Das was appointed as Convenor of screening committee for selection of departmental part time faculty.

- Mr Pranjal Das was appointed as External examiner for Electronics and Communication Lab in the Department of IT, JIST (Jorhat) .

STUDENTS ACTIVITIES

- Yash Gupta, a student of 8th Semester got placed in Cognizant as a Programmer Analyst Trainee.
- Yash Gupta, a student of 8th Semester got placed in Infosys as a System Engineer.
- Yash Gupta, a student of 8th Semester is currently doing a three months Internship under Capgemini on the topic “System CPP Linux Programming Domain”.
- Bishruta Madhab Saikia, a student of 8th Semester is working on a music album “OGROGAMI ” and recently released a song “UPOHAR” on his official youtube channel “Bishrut Saikia” (Link-https://youtu.be/8LQGrSku_UI) .He will be performing in a music festival organised by Bloomverse in Guwahati on 3rd April 2022.
- Venkatesh Kashyap and Kantha Jyoti Sharma, students of 8th Semester got placed in CRTD Technologies as Business Development Trainee(BDT).
- Abhisikha Parasar,Bhaswati Kalita and Sushmita Dutta, students of 8th Semester got placed in CRTD Technologies as Business Development Trainee(BDT).
- Arnav Boral and Rajdeep Chakraborty, students of 8th Semester got placed in CRTD Technologies as Business Development Trainee(BDT).
- Debasis Payeng and Kaustubh Moni Deka, students of 8th Semester got placed in CRTD Technologies as Business Development Trainee(BDT).
- Rahul Amin,a student of 8th Semester got placed in CRTD Technologies as Business Development Trainee (BDT).
- Bhaskar Wary,Venkatesh Kashyap and Deba Prashad Das, students of 8th Semester have been selected in Pentagon Space Pvt Ltd. for free training for “JAVA Full Stack”.

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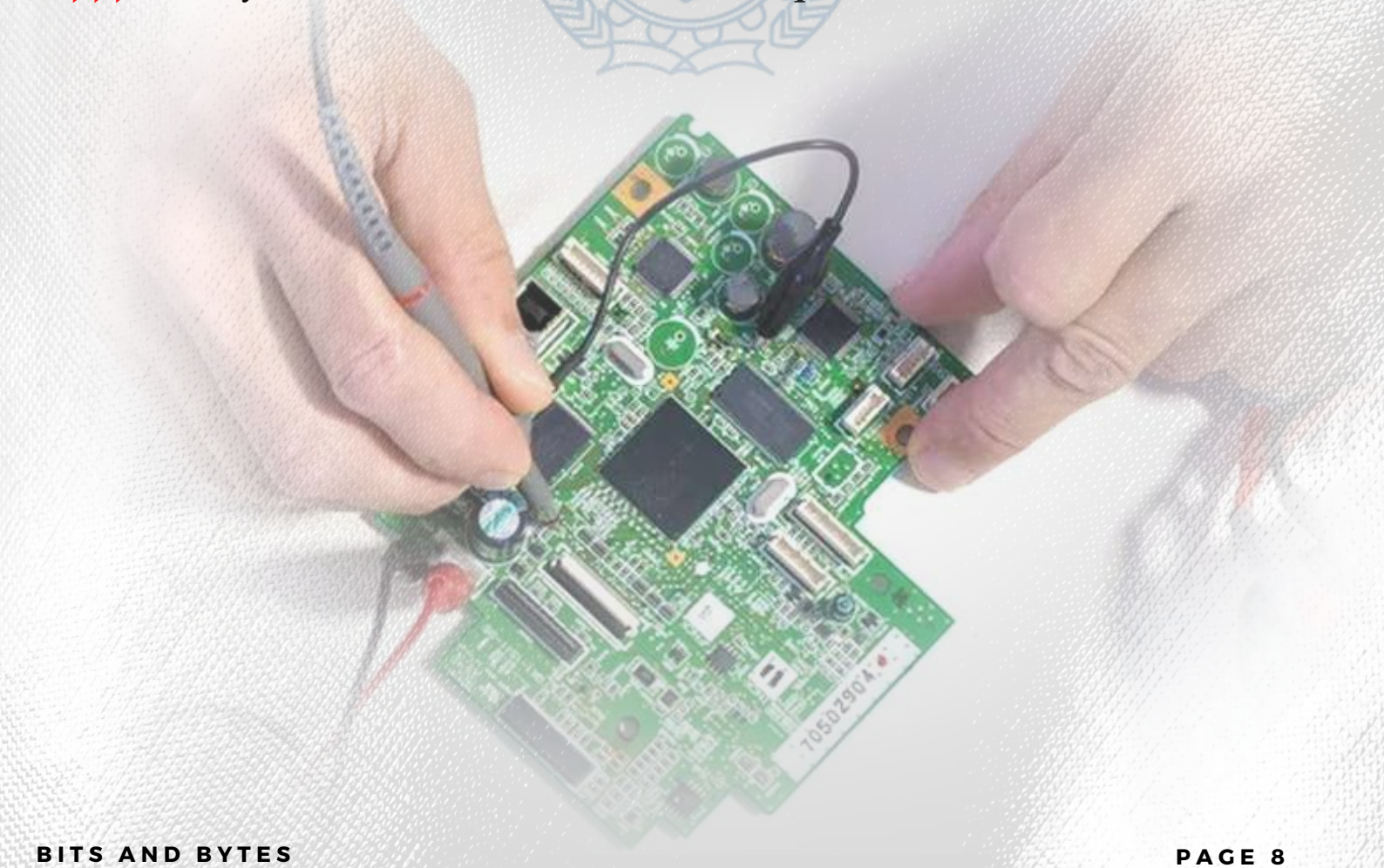
STUDENTS ACTIVITIES

- Bhaswati Kalita and Moriangthem Monalisa Singh,students of 8th Semester got placed in BYJU's as Academic Specialist.
- Bhaswati Kalita and Pranjal Protim Bora, students of 8th Semester got placed in Capgemini as Analyst and A4.
- Apurba Loying ,a student of 8th semester qualified SSC GD 2021.
- Apurba Loying ,a student of 8th semester qualified GATE 2022.
- Raj Karmakar ,a student of 8th semester qualified GATE 2022.
- Sunny Saha ,a student of 8th semester qualified GATE 2022.



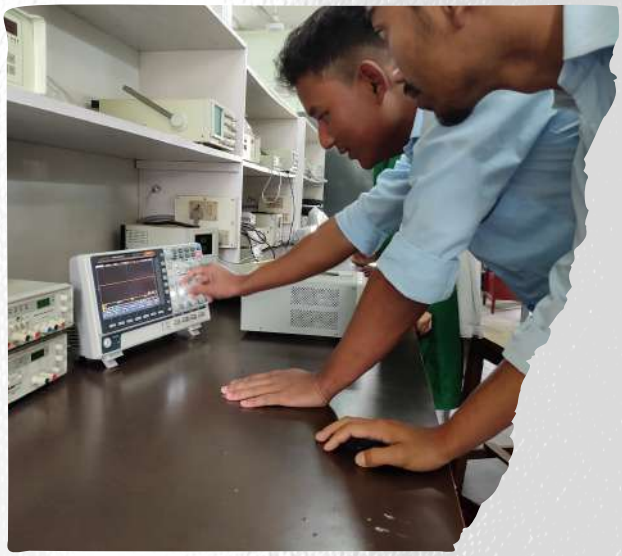
ALUMNI SECTION

- Debajit Deb ,an alumnus of 2021 batch is currently working as a Software Engineer in Onsolve.
- Pranjal Kalita,an alumnus of 2021 batch is currently working as a NMT Engineer in Bharti Airtel.
- Akib Ali Sarkar, an alumnus of 2021 batch is working as Assistant System Engineer in Tata Consultancy Services(TCS).
- Gourav Kumar Dey,an alumnus of 2021 batch is working as a Software Development Engineer in Master India.
- Priyanka Boro and Darsana Das,an alumni of 2021 batch are currently working as System Engineer in Infosys.
- Angshuman Pathak,Sourav Pratim Borah and Neeraj Nath,an alumni of 2021 batch are currently working as System Engineer in Infosys.
- Rupam Bora and Supratim Debnath ,an alumni of 2021 batch are currently working as Associate System Engineer in Tata Consultancy Services(TCS).
- Krishanu Bora,an alumnus of 2020 batch has cleared GATE 2020 and admitted in M.Tech Programme (Micro Electronics and VLSI Design) under NIT,Silchar .
- Manash Bordoloi,an alumnus of 2020 batch has cleared GATE 2020 and admitted in M.Tech Programme (Signal Processing and Machine Learning) under NIT,Surathkal.
- Mrinanka Dhar,an alumnus of 2020 batch has cleared GATE 2020 and admitted in M.Tech Programme (EI) under NIT,Rourkela.
- Supriya Khatoniar and Kritikesh Maurya, an alumni of 2020 batch got admitted in M.Tech Programme (Electronics Design And Technology) under Tezpur University.

ALUMNI SECTION

- Sharukh Sultan, an alumnus of 2020 batch got admitted in MS Programme (Computer Science and Knowledge Discovery) under ETU LETI , Russia.
- Adil Lafar Laskar,an alumnus of 2020 batch got admitted in M.Tech Programme (Bioelectronics) under Tezpur University.
- Swabnam Buragohain,an alumna of 2020 batch got admitted in M.Tech Programme under NIT,Agartala.
- Nilabh Jyoti Borthakur and Priyanka Prasad, an alumni of 2020 batch are currently posted as Assistant System Engineer in Tata Consultancy Services(TCS).

GALLERY SECTION



ETC LAB. 1

ETC LAB. 2

ETC LAB. 3

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