Celebrating 74th Republic day

Quaterly Edition

BITS & BYTES

Vol 2
ISSUE 1

THE OFFICIAL NEWSLETTER OF ELECTRONICS AND TELECOMMUNICATION

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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

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.

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
HOD'S DESK

Greetings! I am glad to announce the 5th issue of the Departmental Newsletter, Bits and Bytes (Vol 2, Issue 1). The Newsletter provides a clear picture of all sorts of activities undertaken by the faculty members, the staff members and the students of a department. In this issue of Bits and Bytes, the good work of the faculty members, students and alumni during the month of October 2022 to December 2022 are presented. I congratulate all of them. I would also like to congratulate the Editorial Board in planning and producing this newsletter. I am hopeful that this small piece of work shall not only develop the habit of reading among students but also develop a sense of belonging to the Institution. Wish you all a wonderful and bright semester ahead.
I congratulate the editorial team and wish them luck.

Dr. Sanyukta Chetia

Asstt. Prof. & HoD

DEPT.

ACTIVITIES

- CIE-1 for the 3rd, 5th & 7th semesters were held on 13th, 14th and 15th of October 2022.
- Assistant Prof. Dr.Mohiul Islam has left the Institute (JIST) for a new assignment at Vellore Institute of Technology (VIT), Vellore on 22nd of Oct'22. We thank him for his dedication towards the progress of this institute.
- A Farewell Party was organized for Dr.Mohiul Islam to wish him best for his new endeavours on 25th October 2022.
- "A Run for Unity" was organized on the occasion of National Unity Day on 31st October 2022.
- The honourable VC of ASTU Prof. Narendra Choudhari visited JIST , he interacted with the faculty members and visited classrooms , department and laboratories on 10th of Nov'22
- A Tribute ceremony of Dr.Bhupen Hazarika on his 11th Death Anniversary was held on 5th of November 2022.
- CIE-II for 3rd, 5th and 7th semester were held on 9th, 10th and 11th of November 2022.
- NC-DC List of 5th and 7th semester were submitted on 26th November 2022.
- CIE-III for 3rd, 5th and 7th semester were held on 8th, 9th and 10th December 2022.
- 7th Semester Practical and Internship Presentation were conducted on 15th and 16th December 2022.
- 5th Semester Practical and Internship Presentation were conducted from 15th to 21st December 2022.

FACULTY ACTIVITIES

- **Dr. Sanyukta Chetia** has been appointed as a judge in IDEATHON-2022 Competition held on 1st October, 2022 at JIST, Jorhat-10 on the occasion of India Start-Up Day.
- **Mr. Pranjal Das** has attended the 3 Day Faculty Development Program on Machine Learning and Deep Learning for Communication Systems using MATLAB and Simulink organized by the Department of Electronics and Communication Engineering, Hyderabad Institute of Technology and Management in association with MathWorks, Wiley and Taylor & Francis held from 20th to 22 October 2022.
- **Mr. Satyajit Das** has been appointed as assistant officer incharge for B.Tech 7th sem exam 2022
- **Mr. Satyajit Das** has been appointed as Departmental coordinator for NBA work.
- **Dr. Bidisha Hazarika** was appointed as a Assistant Prof. of Dept. ETC on 4th of Nov'22.

STUDENT ACTIVITIES

- Halimuddin Ali Ahmed of 7th Semester secured the 3rd Prize in the Ideathon Drive organized by Institutes Innovation Council.
- Animesh Gogoi, Ankush Kumar Thakur, Debajit Borah, Dolly Baruah Halimuddin Ali Ahmed, Prapti Borthakur, Riznaz Hussain and Vivek Sharma of 7th Semester got placed in SkillVertex.
- The Students of the Institution interacted with Mr. Nilotpol Baruah (Alumnus JIST Batch of '17), CEO and Co-founder Symbica Private Limited on 5th November 2022.
- Madhurjya Saloi of 1st Semester received the 1st prize in Quiz competition held on the occasion of National Unity Day, 2022.
- Madhurjya Saloi of 1st Semester received the 1st prize in Speech Competition held during the induction program.
- Madhurjya Saloi of 1st Semester received the 2nd prize in debate competition held during the induction program.

STUDENT ACTIVITIES

- Rim Baruah of 1st Semester received the 1st prize in 26th Jatiya Swahid Memorial All Assam Inter College Debate Competition 2022.
- Rim Baruah of 1st Semester received the 1st prize in All Assam Inter College Youth Parliament 2022 by Oil India Limited.
- Rim Baruah of 1st Semester received the 1st prize in Debate Competition held during the induction program.
- Rim Baruah of 1st Semester received the 1st prize in Essay Writing Competition held during the induction program.
- Rim Baruah of 1st Semester received the 3rd prize in Poem Recitation Competition held during the induction program.
- Gautam Das of 1st Semester received the 1st prize in Photography Competition held during the induction program.

STUDENT ACTIVITIES

"Project Athena" is an initiative by **Riki Phukon**, an 8th-semester ETC student. Comprising multiple smaller projects, its goal is to promote an innovative engineering environment at our college. The first project aims to provide students with a centralized repository of ASTU academic resources Riki is seeking curious contributors to join and learn while working on this project. What's more, the codebase for "Project Athena" is open-source.

Create a positive impact in ASTU's engineering environment! Join "Project Athena" to provide a centralized academic resource repository. Learn, contribute, and make a meaningful difference.

Riki Phukon
8th Sem ETC

Email for more details :
rikiphukon16@gmail.com

STUDENT ACTIVITIES

START UP

Chandan Rajbongshi, an 8th-semester student, co-founded **Steponinternet** in 2021 to solve digital problems for businesses in Assam. He currently holds the positions of CEO and Head of Design, and is working towards building other startups' growth through their digital presence. Steponinternet has recently collaborated with Bappleware Technology, a Philippines-based IT company, to further expand their services.

Steponinternet helps startups develop MVPs and product design through data-driven analysis. They offer expert solutions to digital problems, helping clients make informed decisions for marketing and user experience. With a focus on branding and digital marketing, Steponinternet is a reliable partner for startups to establish their brand online.

Chandan Rajbongshi
8th Sem ETC

ALUMNI SECTION

- Debopam Talukdar (Batch of 2021) Master of Marketing and Master of Business Analytics University of Wollongong Australia, Business and Law Peer Mentor Volunteering at University. He was ranked 1st in “MARK804: Principles of Marketing” subject in Trimester 2 2022. Currently working as a Sales Clerk at Star Phones Australia Market Research Analyst at Study Australia Industry Experience Program (SAIEP)
- Deba prashad das of Batch 2018-22 has been enrolled for M. Tech at Tezpur university in Electronics design and technology (ELDT) in the year 2022 .
- Upasana Dutta cleared RRB PO in 2022.
- Titykha Baruah cleared RRB PO in 2022.

What is EHC in JIST?

Electronics Hobby Club (EHC) is a dynamic community of tech-savvy students from Jorhat Institute of Science & Technology. With a passion for electronics and telecommunication engineering, EHC provides a platform for members to share ideas, enhance technical skills, and develop practical solutions to real-life problems. The club fosters a culture of innovation and entrepreneurship, connecting members with industry experts and investors to turn ideas into reality. Whether you're a beginner or an expert, EHC is the perfect place to expand your knowledge, challenge yourself, and have fun. Join EHC and become part of the exciting world of electronics!

ALUMNI SECTION

Songs in Album 'Ogrogami'

- **Aai**
- **Notun hahi**
- **Daag**
- **Upohar**
- **Biponno Morom**
- **Morubhumi**
- **Bornosayan**

BISHRUT SAIKIA
Batch of 2021

Singles:

- **Morom Xodaiye Laage**
- **Tenekoi**
- **Tumi Xonsito**

Songs for webseries:

- **Ron Bur Akuwalim**
- **Amar Kahini Bixekh**

'Tenekoi' received the Rengoni Music Award 2022 for the title of 'Best Debut Singer - Male'

ALUMNI START UP SECTION

Symbica

Symbica Pvt. Ltd. is a Healthcare based start-up and deals with manufacturing of smart artificial limbs and other assistive devices. Symbica has developed a prosthetic hand called Vardaan 5+ that generates a sense of ownership towards the amputee.

CEO & Co-Founder:
Nilotpal Baruah
Batch of 2017

The Story Behind

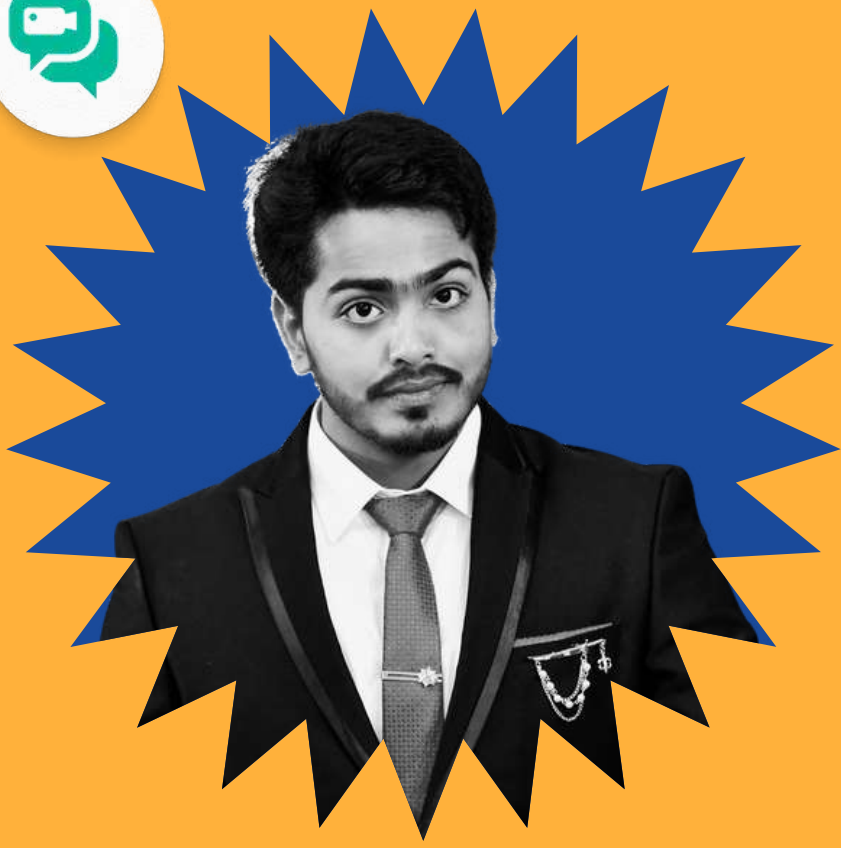
Symbica began as a B.Tech engineering project by five energetic engineers who noticed a significant gap in the prosthetic hand industry in developing countries like India. From affordability to sense of body embodiment, Symbica's in house R&D team makes everything possible. Utilizing cutting-edge technology, thorough testing, and the highest level of customer service, we aggressively distinguish ourselves in terms of product innovation to provide the best user experience.

Co-Founder:
Sandhan Sharma
Batch of 2013

ALUMNI START UP SECTION

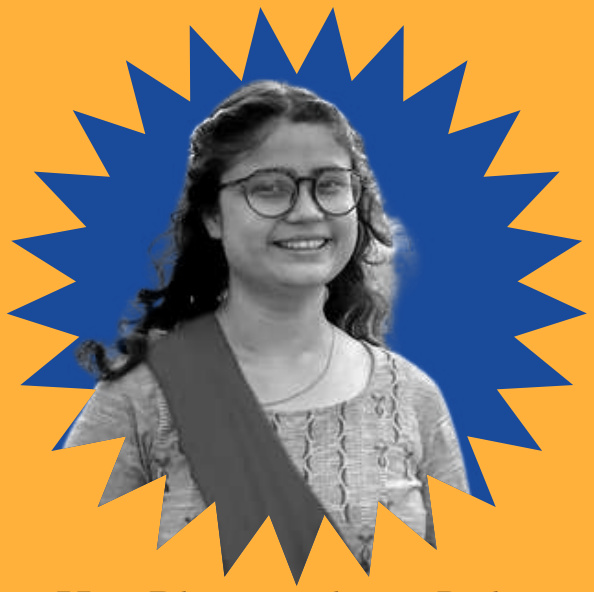
Skymeet

SkyMeet is a free & Open Source Video/Audio Conferencing Application available on Android OS. SkyMeet uses Google Firebase for User-ID authentication and Firestore as a Database for storing User's data (Name and Email currently) without compromising security protocols and the integration of video conferencing room is based upon the Open Source Jitsi Multiplatform.



CEO & Co-Founder:
Nilabh Nayan
Batch of 2020

EDITORIAL BOARD



Mrs Bhagyashree Deka
Assistant Professor,ETC

Mrs Kabita Chaudhary
Assistant Professor,ETC
(Advisor)

STUDENT MEMBERS

Chandan Rajbongshi
8th sem,ETC

Manjit Kalita
8th sem,ETC

Anubhab Sarma
6th sem,ETC

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