



ELECTRONIKA

February 2019 (VOL III)

A Newsletter from Electronics & Communication Engineering Department (Accredited by NBA)
Siliguri Institute of Technology, Siliguri.



“We want that education by which character is formed, strength of mind is increased, intellect is expanded and one can stand on one’s own feet “

----- *Swami Vivekananda*

VISION:

To become a nationally recognized center of excellence that produces skilled, innovative and ethical engineers relevant for academics and industry.

MISSION:

1. To offer qualitative Electronics & Communication Engineering education and professional ethics of global standards through innovative methods of teaching and learning with practical orientation so as to prepare students for successful career/higher study.

2. Foster culture of innovation and research in the field of Electronics & Communication Engineering.

3. To provide best learning environment to the students, faculty and staff members conducive for creating excellence in technical education.

Message from the Director:

It is a great pleasure for me to know that Department of Electronics & Communication Engineering of Siliguri Institute of Technology is going to publish their departmental Newsletter “ELECTRONIKA” Vol-3 to explore the activities of the department.

I do hope this will cultivate and inspire all the faculty, staffs and students and education lovers curious about the topic. It will also create a platform for curious persons. I wish its successful propagation.



Prof. (Dr.) Jyotirmay Jhampati

“Banga Ratna”

B.E. (1st Class 1st), Ph.D. (Engg.),

M.I.E.E. (UK), C.Engg.(I), F.I.E.(I)

DIRECTOR

Siliguri Institute of Technology

e-mail: jhampati@rediffmail.com, director@sittechno.org

Message from the Editor:

It is a matter of great pleasure that I was given the opportunity to work on the third edition of “Electronika”. It highlights different activities of student and faculties, events, academic proficiency and achievements of departments. I do hope that newsletter will encourage students to use it as a platform to convey their creativities.

Mrs. Anindita Sinha

Assistant Professor, Department of ECE, Siliguri Institute of Technology.



Siliguri Institute of Technology Campus

STUDENT CORNER

Academic Achievement:

Ms. Mandira Saha, currently studying in 3rd year, scored 9.16 (YGPA) and became B. Tech 2nd year College Topper in the year 2017-18.



Mandira Saha, B.Tech 2nd year College Topper

Co-Curricular Activities:

- ❖ 3rd year students (2020 Pass Out) bagged the **Runners Up** trophy in project competition on “**project exhibition cum competition on Solid waste management**” organized by Solid waste Management unit of the institute on April 21st, 2018. Mr. Debajyoti Misra and Mr. Subhamay Sarker, Asst. Prof. of ECE Department assigned as Project Supervisor for the said event.



ECE students are receiving trophy

- ❖ A Technical training program on **Advanced Java** for 2019 passing out batch students was organized by the Training and Placement Cell of the institute from **9th July 2018 to 18th July 2018**. The session was conducted by **I & We**, Seekhlo Education Private Limited, Kolkata.
- ❖ A FSP training program for 2019 pass out batch students was organized by the Training and Placement Cell of the institute from **19th July 2018 to 24th July 2018**. The topic of the training was **Advanced Java** and the session was conducted by **Career Launcher, Delhi**.
- ❖ Shankhadeep Dey, student of 3rd Year, got **3rd position** in coding competition “**CODER of THE CAMPUS**” at Inspiria Knowledge Campus, Siliguri on 21st July, 2018.
- ❖ Shankhadeep Dey, student of 3rd Year, cleared 1st round of “**CodeVita 7**” conducted by Tata Consultancy Services (TCS) through online portal.
- ❖ Subham Upadhyay, student of 3rd Year, **wins** the 25 meters **Swimming Competition** organized by Siliguri Club, Siliguri on 15th Aug, 2018.
- ❖ **Fresher’s Welcome** was conducted for the students of **1st year ECE**, organized by the students of **2nd year ECE** on 28th Aug, 2018 at the department.



Some joyful moments to welcome the Fresher

- ❖ Subham Upadhyay, student of 3rd Year, received the “**BEST GOALKEEPER**” award in Inter-College Football Tournament organized by North Bengal Medical College on 5th Sep, 2018.



Cloth donation drive “Joy of Giving: Cloths are handed over to NGOs”

- ❖ A cloth donation drive, **‘The Joy of Giving’**, was jointly organized by the department of Electronics and Communication Engineering, Siliguri Institute of Technology and National Service Scheme (NSS), Siliguri, from 10th-14th September 2018.
- ❖ **ECE 3rd year students** (2020 Pass Out) become the **“CHAMPION”** in **Volleyball competition** organized by the institute on 29th Sep, 2018.
- ❖ 12 students and 02 faculty members successfully completed NPTEL courses conducted by IITs & IISC during July-October 2018. Amongst them, **Vishaka Subba** is entitled with certificate type: **Elite +Gold** for appearing in **“Developing Soft Skills and Personality”**, and **Ayush Gupta** is one of the toppers in **“Introduction to Programming in C”** during July-December, 2018.
- ❖ The student of **ECE 2nd year** (2021 Pass Out) and **ECE 3rd year** (2020 Pass Out) actively participated the technical training program on **“Problem Based Coding Approach via the understanding the concepts of Object Oriented Programming Principle and JAVA Language”** and **“Networking Concepts & Architecture”** respectively from October 3rd to 6th, 2018.
- ❖ Two days **Industrial Visit** was organized for the 3rd year students at BSNL Jalpaiguri from 6th-7th September, 2018 to improve their concept of applying the theoretical knowledge in the relevant field of industrial needs.



- ❖ Department used to organize a parent teacher meeting in each semester to make the guardians aware about the regular activities of their wards. After participating in this meeting the parents get informed about the updated class and training attendance of ward during current semester.



The meeting aimed at reducing the gap between teacher and students.



Recruitment at a glance:

- ❖ 8 students from 3rd year ECE (2019 Pass Out) had been selected as an **Intern Engineer** at **Intel Corporation** on May 13, 2018.



- ❖ **Mr. Rajdeep Bhattacharya** (2018 Pass Out) got placed in **RIVIGO**, Gurgaon on May, 2018.



- ❖ **Mr. Saransh Choudhury** (2018 Pass Out) joined as a **SoC Design Engineer** at **Intel Corporation** on July, 2018 at Bangalore.

- ❖ **Ms. Shiwangi Singh, Mr. Gopal Krishna, Mr. Ashish Kumar Gupta, Ms. Rupam Kumari, Ms. Surupa Ghosh** from final year (2019 Pass Out) got placed in **TEABOX** on August 18, 2018.



- ❖ **Mr. Himangshu Kumar** (2019 Pass Out) has been appointed as **Diploma Engineer Trainee – Customer Engineering** in **CAT Vision** in August 2018.



- ❖ **Mr. Aditya Nag, Mrs. Madhubarsa Thakur, Mr. Rajib Singha** from final year (2019 Pass Out) got selected in **PRIME FOCUS** on August 20, 2018.

- ❖ **Ms. Vishaka Subba** (2019 Pass Out) has been selected as an **Engineer** at **Robert Bosch** on August 29, 2018.



- ❖ **Mr. Satkar Tamang** (2019 Pass Out) has been selected as an **Intern Engineer** at **Intel Corporation** on August, 2018.

- ❖ Final year students (2019 Pass Out) **Mr. Harshan Bhattacharya, Ms. Madhubarsha Thakur, Mr. Ayush Kumar Gupta** were placed in **TCS** on September 9, 2018.



- ❖ **Mr. Ayush Kumar Gupta** (2019 Pass Out) was selected in **Capgemini** on September 14, 2018.

- ❖ **Ms. Piyali Paul** (2018 Pass Out) joined as a **Process Associate** at **Genpact, Hyderabad** on Sep, 2018.

- ❖ Ms.Tritasha Mani and Mr. Samaun Ali (2019 Pass Out) got selected in Stryker as an Service Engineer on October 3, 2018.



Tritasha Mani & Samaun Ali



- ❖ Mr. Souradip Sarkar (2019 Pass Out) got placed in Extramarks on October 6, 2018.

- ❖ Mr. Ashish Kumar Gupta (2019 Pass Out) had been selected in Byjus as Business Development Associate on October 10, 2018.



- ❖ Ms.Romita Chowdhury (2018 Pass Out) joined as Optimization Specialist at Amazon Development Centre (India) Private Limited, Bangalore in Nov, 2018.
- ❖ Ms. Champa Pal (2018 Pass Out) joined as a Software Engineer at Accenture India, Bangalore on Nov 28, 2018.

Major Recruiters & Our Best Placed Students:



✚ Major Faculty Publication in Conference, Journal & Book:

❖ CONFERENCE PUBLICATION:

- Anindita Sinha, **Li-Fi: A protected wireless network structure for prospect of Internet services**, 3rd International Conference on Innovative Trends in Engineering, Applied Science and Management (ICITEASM-2018), organized by Osmania University Campus, Hyderabad, Telangana State, India on 24th June, 2018.
- Aditi Sengupta and Sanjib Bhattacharya, **AC Conductivity of Ionic Conductors: Comparison between Transport of Lithium and Silver**, 3rd Regional Science and Technology Congress, 12th-13th December 2018 at Jalpaiguri Govt. Engineering College.
- Debajyoti Misra, Gautam Das, Debaprasad Das, **An IoT based wireless energy harvesting using efficient voltage doubler stages in an RF to DC Converter**, 4th International Conference on Computing Communication and Automation (ICCCA-2018), Jointly Organized by IEEE-Up section and **Galgotias University**, Greater Noida, Delhi, 14th -15th December 2018. IEEE Conference Record No. 44295.

❖ JOURNAL PUBLICATION:

1. Debajyoti Misra, Gautam Das, Trinankur Chakraborty, Debaprasad Das, **“An IoT based waste management system monitored by cloud”**, Journal of Material Cycles and Waste Management, Springer (Sci and Scopus indexed), Vol.20, Issue 56, Print ISSN 1438-4957, 2018, Online ISSN 1611-8227, DOI: 10.1007/s10163-018-0720-y
2. B. Das, M. Parai, **“Influence on Characteristics of RTD due to Variation of Different Parameters and material Properties”**, International Journal of High Speed Electronics and Systems, Vol. 26, No. 4(2017) 1740022 (17 pages) Published by World Scientific publishing company, DOI: 10.1142/S0129156417400225, 2018

❖ BOOK CHAPTER:

1. **D. Ghosh**, A.Mukherjee, N.R. Das, B.N.Biswas, **“A Study on the Effect of an External Periodic Signal in a Chaotic Optoelectronic Oscillator”**, Modelling and Simulation in Science, Technology and Engineering Mathematics, Springer Nature, ISBN 978-3-319-74808-5
2. Debajyoti Misra, Gautam Das and Debaprasad Das, **“Review on Internet of Things (IoT): Making the World Smart”** © Springer Nature Singapore Pte Ltd. 2018 R. Bera et al. (eds.), Advances in Communication, Devices and Networking, Lecture Notes in Electrical Engineering 462, https://doi.org/10.1007/978-981-10-7901-6_89

❖ BOOK :

Title of Book: CHARACTERISTICS OF RTD FOR DIFFERENT PARAMETERS AND MATERIAL PROPERTIES

Authors: Banasree Das (Parai), Manas Parai

Publisher: LAMBERT ACADEMIC PUBLISHING, MAURITIUS.

ISBN: 978-613-8-23601-6

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EVENTS ORGANIZED BY THE DEPARTMENT

- ❖ Department organized presentation competition for 2nd year students and aptitude test for 3rd year students for the overall development of them apart from their regular curricular activities.



Presentation Competition



Aptitude Test For 3rd Year

- ❖ A Two Days National Seminar on “**Application of Modern Control System in Electrical and Electronics Engineering**” was held during 06.08.2018 to 07.08.2018 at Sir J. C Bose Memorial Hall, Siliguri institute of technology. Dr. Rajeeb Dey, Assistant Professor, Dept. of EE, NIT Silchar, was the speaker of the seminar. The seminar focused on the recent trends of modern control system in Electrical and Electronics Engineering.



Dr. Rajeeb Dey, was felicitated by HOD

- ❖ A two days special lecture session was organized by Department of Electronics and Communication Engineering for 2nd year ECE students on 28.09.18 and 29.09.18. The topic of the session was “**Fundamentals of Field Effect Transistor**”. Prof. Sourav Sarkar from School of Material Science and Nanotechnology, Jadavpur University, Kolkata was the honorable guest lecturer for this session.



Prof. Sourav Sarkar was felicitated by HOD

- ❖ Three Days Hands-On Training Program on “**Basics of Electronics & Microsoft Office**” for 1st Year ECE Students was held **during 09.10.2018 to 11.10.2018** at the department. This specific training program enhances their capability to present a topic after preparing the spreadsheet and writing a document with the help of a computer. They will also



Hands-on Software Training



Hands- On Training on Basics of Electronics

be able to understand and demonstrate how to select, use and test electronic components. All the sessions were completely Hands-on.

- ❖ Two days National Seminar on “Recent Trends & Technology in Industry” jointly organized by the Department of Electronics and Communication Engineering and Electrical Engineering (EE) Siliguri institute of technology on 16th -17th November. Mr. Abhishek Roy, Solutions Architect, Tata Consultancy Services, Kolkata, was the speaker of the seminar. The seminar focused on the recent trends of modern technology in industry. The following topics were discussed

- ✓ **Machine Learning**
- ✓ **Artificial Intelligence,**
- ✓ **Internet of Things.**
- ✓ **Cyber Security.**
- ✓ **Block Chain.**



Mr. Abhishek Roy was felicitated by HOD

ALUMNI MESSAGES:

Hope all are well.

I had completed my degree of Electronics & Communication Engineering from Siliguri Institute of Technology in the year of 2016. It was a very grateful journey over there with lots of memories. My teachers and all the faculty members had supported me for every individual subjects and other extra curriculum like Robotics, IoT etc. Had organized some event in our department and as well as whole college called 'IntZilla - 2016' which took a great success and that time got proper support from everyone. Got placed in Altimetrik India Pvt Ltd. Bangalore in the year of 2016 and it was a campus Recruitment drive. Currently I am working in KPMG Global Service, Bangalore.



Dibyo Ghosh Chowdhury
Analyst at KPMG Global Services (KGS)
Bangalore B.Tech ECE
(2012-2016) Batch

Hello everyone,

It's refreshing for me to get back to my alma mater. My heartiest **greetings** to all of you. To the new comers in the department, I welcome you once again to this wonderful and exciting world of Electronics and Communication Engineering. This program would help you to acquire diverse skill-sets which, in turn, would enable you to transit smoothly from academia to professional world. From my own experiences, I can safely claim that the various topics distributed across 4 years of learning coupled with the outstanding faculty which you have at your disposal would mould you into an engineer with manifold skills. Just figure out what creates the buzz in your mind whenever you think of it and go on exploring it to the furthest possible. Modern industry generally values skills more than theoretical knowledge; so try your level best to practice in real what you read. Please remember, at the end it's your efforts which count at the end. The faculty and the institute will always be there for your aid. You just need to work hard to extract whatever you need from the department. Whether it be industry or academics, everything's there for the taking. It's you who decides your future. I would be more than happy to help you with everything I am capable of. I could go on writing forever, but the words themselves impose constraints.

Looking forward to hearing from you soon!

Thanks and regards,



Saransh Choudhary,
SoC Design Engineer,
Intel Technology Private Limited,
Bengaluru, Karnataka-560103
e-mail: scsc2699@gmail.com

ABOUT THE DEPARTMENT:

The department of Electronics and Communication Engineering of S.I.T was established since the very inception of the college. During its journey of about 20 years, the department has developed itself and has been accredited by National Board of Accreditation (NBA) in the year of 2017. NBA is a regulator under Washington Accord which undertakes the assessment of quality standards of various educational institutions. At present the department runs about 15 state-of-the-art laboratories for undergraduate and R&D activities. The department regularly organizes seminars, workshops and invited talks to enrich the academic ambience of the Institute. The faculty of ECE department consists of well qualified and experienced teachers with noteworthy research background.



Faculty & Staff Members of ECE Department, SIT

Editorial Team:

=====
Mrs. Anindita Sinha
Mrs. Banasree Das

Student Coordinators:

Nilanjan Das (3rd Year ECE), Sudeshna Saha (3rd Year ECE), Pratik Gautam (2nd Year ECE)

We welcome your comments and ideas for future issues. Write us at hod_ece@sittechno.org

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