



## **Department of Electronics and Computer Science**

### **Newsletter SH 2024**

*“Arise, awake, and stop not till the goal is reached.” -Swami Vivekananda*

The Department of Electronics and Computer Science started in academic year 2020-21, with total intake of 60 students. The course is introduced in line with the requirements of Industry 4.0.

We are excited to share with you the latest updates, achievements, and activities from our vibrant department. This newsletter highlights the innovative projects, academic milestones, and dynamic initiatives that reflect our commitment to excellence in education, research, and industry collaboration. As we continue to grow and evolve, we take pride in fostering a community that encourages creativity, critical thinking, and technological leadership among our students and faculty.

#### **Vision**

“To excel in the field of Electronics and computer science engineering for serving needs of the society.”

#### **Mission**

- To nurture the students to have technical skills for multidisciplinary in the field of Electronics and computer science.
- To inculcate ethical values and develop leadership qualities.
- To encourage research in cutting edge Technologies.

#### **Program Educational Objectives**

- Build multidisciplinary domain knowledge
- Develop the ability to innovate, design and evolve project implementing capabilities.
- Pursue higher studies and develop career in advanced technologies.

#### **Program Specific Outcomes**

- Students will be able to acquire knowledge in cutting- edge technologies.
- Students will be able to develop innovative multidisciplinary projects

## Departmental Activities

- There are two Live Industry projects going in AY 2024-25 with **CYHEX** and **Efficient Innovations Pvt. Ltd**
- The Department has signed total 2 MOU'S with the companies **CYHEX** and **CRETO (Frello) Pvt.Ltd.**
- **"Cognition'24 Project Competition"** was organized by the Department of ECS on 21<sup>st</sup> September 2024. 39 students, **2 groups of BE ECS, 6 groups of TE ECS, and 6 groups of SE ECS** participated in this event.
- Total **12** industry expert talks were organized by the department for the students across various domains viz. Panel discussion on Job Opportunities, Digital Marketing, Navigating the Job Market: Essential Skills for Engineers in India, Hands on session on Devops, Cloud

## Faculty Achievements

- Dr. Shubhangi Kharche presented paper titled "Organ Delivery Drone" in IEEE International conference AECE on 23rd Nov 2024.
- Dr. Shubhangi Kharche published paper titled "DermAI: An Innovative AI-Driven Chatbot for Enhanced Dermatological Diagnosis and Patient Interaction" in scopus indexed journal IJEEI on December 31,2024.
- Prof. Mrinal Khadse Completed NPTEL course on "Google Cloud Computing Foundation" (73%) Oct 2024.
- Prof. Mrinal Khadse presented the paper on "Analysis of Docker images on static and dynamic vulnerability scanning tools" in 2<sup>nd</sup> International Conference on Signal Processing, Communication, Power, and Embedded Systems, SCOPES-2024.
- Prof. Mrinal Khadse published the paper on "A Review on Network Covert Channel Construction and Attack Detection" in Scopus indexed journal, Concurrency and Computation: Practice and Experience 37, no. 1 (2025): e8316.
- Dr. Shubhangi Kharche worked as chairman BoS for ECS syllabus setting under autonomy at SIESGST in september 2024.
- Dr. Shubhangi kharche reviewed research papers for IJEEI journal, IEEE conference AECE 2024 and IEEE conference ICETI4T 2025.

## Faculty Achievements

- S. Bhayje, S. Kharche, S. Shetty, V. Gawade and S. Sakhare, Published paper titled "Advanced Aerial Medical Logistics: Cold Chain Supply and Organ Delivery Drone," 2024 4th International Conference on Advancement in Electronics & Communication Engineering (AECE), GHAZIABAD, India, 2024.

## Student Achievements

- Kunal Zemse and Akanksha Dodamani (BE ECS) completed consultancy project of 48000/- at Efficient innovations, Andheri.
- Sunny Gupta and group (TE ECS) is working on consultancy project titled "Gaming Slot Booking System", worth Rs 10000/- at Gaming Hub.
- Kanishk Jha and group from BE ECS is working on consultancy project on "cybersecurity" worth Rs 10000/- at DigiGoat India Pvt Ltd.
- Prajwal Dabekar, Sanket Sonadawale, Harsh Khadasane and Jaggannath Poojari (BE ECS) won second runners up in Kongsberg Techathon on 23/9/2024.
- Nandini Singhs (TE ECS) project "Carbon Katha" has been selected in top 3 of impact creators-Nari Shakti Category at the India AI Impact festival 2024, organized by ISPIRE-MANAK Government of India, DST, ATAL Innovation mission, NITI Aayog MoE on 25/09/2024.
- Kushal Mohite (TE) won Gold medal in SocMeta,IEEE ComSoc SNTC, Student competition
- Kanishk Jha got recognition for his contribution at Philips Industry and name was featured on their prestigious Hall of Honours Page.
- Rathik Natrajan (TE ECS) secured runner up position in the inter zonal shooting (men) tournament-27/09/24 to 28/9/24.
- Ved Gawade, Sanmitha shetty, Sarvesh Bhayje and Sakshi Sakhare presented paper titled "Organ Delivery Drone" in IEEE International conference AECE on 23 Nov 2024
- Shardul Gade, Harsh Mhatre and Soham Shetty from SE , secured the First position at the Cognition Project competition organized by ECS Department , SIES GST.

## Student Achievements

- Prajwal Pandit, Anshul Kokate and Sumit Prasad from TE , secured the First position at the Cognition Project competition organized by ECS Department , SIES GST.
- Rajveer Rajpurohit from SE ECS was runner up at Intercollegiate Ideation competition
- Moinuddin Hasan from SE ECS secured fifth rank in Bug4ever National level DSA competition.
- Aryan Takalkar, Smeet Hendre from SE ECS secured fourth rank in State level paper presentation competition held at MIT Aalandi ,Pune
- 12 students attended various UDEMY courses viz. The complete 2024 web development boot camp, Nodejs, DSA using c and c++, CompTIA, 100 Days of Code:The complete Python Pro Bootcamp, Business Analysis Fundamental
- 1 student completed Professional Diploma in Software Testing & Quality Assurance by NPTEL
- 7 students completed Different Coursera courses viz. Introduction to Data analysis, AWS Cloud Technical Essentials, Computational Neuroscience, Python for Data Science, AI and Development, Google Cybersecurity Professional Certificate, Basics of Power bi.
- 5 students has done certifications on Machine Learning Using Python , GUVI Geek Networks, Data analytics and visualization job simulations, IoT & Machine Learning, Artificial Intelligence Training
- 10 students attended other courses viz. MERN Stack, Ethical Hacker, Web development + Blockchain + DSA course, Backend Development from Almajest, Data Analysis Using Excel, Python for Data professional, skill building for placement, Crafting Intelligence: IOT & Data Visualization, German language.
- Total **13** students are placed in MNC's viz. Aurionpro, KPMG, LTI ,Capgemini, TCS Ninja.
- Total 39 students from department are engaged in external internships at Reliance Jio,Prodigy Infotech, KPMG, Cloudspot, Accord Electro Technics pvt. Ltd.

## Student Participation

- Kanishk Jha, Jailingam, Ankit Sharma, and Sujit Londhe from BE ECS attended national level SIH project competition at J&K to be held on Dec11, 2024.
- 9 Students from SE ECS participated in "Bug for Ever" Competition on 28/9/24 organised by SIES GST.
- 10 Students from SE ECS participated in project competition in Cognition on 21/9/24 organised by SIES GST.
- 1 SE student participated in IEEE workshop on 22/07/24 organised by SIES GST.
- 11 Students from SE ECS participated in Smart India Hackathon on 02/09/24 organised by SIES GST.
- 5 Students from TE ECS participated in Smart India Hackathon organised by SIES GST on 15/09/24
- A Student from TE ECS participated in EnEx Track event of Cognition
- Shreya Limkar,Kanishka Jha,Jailingam Santhanakumar were finalist in SIH 24 Project title: A comprehensive application for Fuzzer, Team name: Trouble29

## Faculty Participation

- Prof. Mrinal Khadse attended ATAL FDP on "Generative AI and Data Science Applications" From 2-7 December, 2024, organized by Shah and Anchor Kutchhi Engineering College.
- Dr. Shubhangi Kharche ,Prof. Mrinal Khadse, Prof. Madhuri Kulkarni, Prof. Sheetal Kadam, Prof. Hema Gawali, Prof. Purnima Patil and Prof. Supriya Bobade Attended ISTE approved one week STTP on "Generative AI" from organized by SIES GST from 09/12/2024 to 14/12/2024.
- Prof. Sheetal Kadam attended one week FDP on "Competency Building in Soft Skills" from 24th June 2024 to 28th June 2024 .
- Prof. Sheetal Kadam attended C-Orientation program-NEP 2020 Scheme organized by University of Mumbai, held at LTCOE, Navi Mumbai on 09/08/2024.

## Faculty Participation

- Prof. Sheetal Kadam and Prof. Hema Gawali attended "Inculcating Universal Human Values in Technical Education". 3-day Face-to-Face FDP, organized by AICTE.
- Ms. Purnima Patil attended ISTE approved one day FDP program on Blockchain and its applications on 6th August December 2024 organized by SIES GST.
- Prof. Hema Gawali attended panel discussion on **"Academic and Corporate Integrations: Bridging the Gap"** on **27<sup>th</sup> July 2024** at Nerul campus. Venue: A V Room , Basement- SIESASCN.
- Prof. Madhuri Kulkarni attended FDP on "Innovation and Entrepreneurship training cum Exposure visit", organized by JSPM Rajashri Shahu college of engineering, Tathavade ,Pune under IIC on 18<sup>th</sup> and 19<sup>th</sup> July 2024
- Prof. Madhuri Kulkarni attended training for Coach of AI for Youth Program in India, from 10/06/2024 to 14/06/2024.
- Dr. Shubhangi Kharche , Prof. Sheetal Kadam and Prof Supriya Bobade Attended a workshop on Research and Innovation by Dr. Kiran Bhole from Sardar Patel College of Engineering, Andheri Mumbai, Organized by SIES-GST.



**Edited by,**  
**Prof. Sheetal K.**  
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**Prof. Purnima P.**