ECS- Newsletter

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.

Industry 4.0 technologies such as Artificial Intelligence, Genome Editing, Augmented Reality, Robotics, Internet Of Things, and 3-D printing are brought in major technological disruption and rapidly changing the way humans create, exchange, and distribute resources. The implementation of smart technologies at workplaces and close interaction between man and machine has led to a complete change in the way we work and has impacted all disciplines, industries, and economies. It has also created a job market for people with the necessary skill sets.

The syllabus for the course Electronics and Computer Science has been framed to include courses that build a conceptual understanding of the basics of Electronics as well as Computer Science taking care of industry requirements as well as technological trends. Advanced courses have also been added to cover niche areas like Artificial intelligence and Machine Learning, Data Sciences, Mobile communication, VLSI, IoT, etc. A practical-oriented approach is being followed to make students proficient in the competitive industry environment as well as prepare them for higher education.

Vision and Mission of ECS Department

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.

Editors:
Dr.Deepti Reddy
Prof.Kalyani Salvi
Prof.Neha Mahajan

Program Educational Outcomes(PEOs)

- ✓ 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(PSOs)

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

Department Activities

Department has organized various faculty development programs and student development program during July 2021 to June 2022. Faculty of the ECS department have conducted online lectures using google classroom and google meet and also used few simulation tools for conduction of practical sessions.
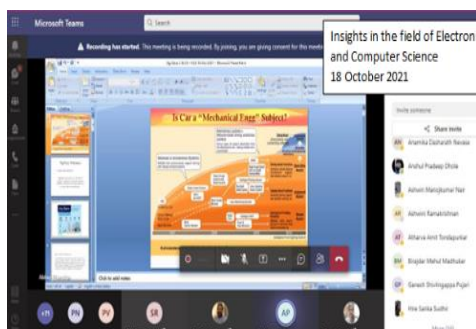
Academic/ Technical achievements of students:

- ✓ Chinmay Gawas and Ved Gawade from SE-ECS Were winners of Lasertag- TML of SIES Graduate School of Technology.
- ✓ Mr.Sachet Utekar, from SE ECS completed four weeks of Coursera course on "Custom Prediction Routine on Google AI Platform"," Foundations Data, Data, Everywhere", "Data-Driven Decisions", "Prepare Data for Exploration"," Process Data from Dirty to Clean".
- ✓ Mr.Sachet Utekar, from SE ECS completed eight weeks of Coursera course on "Algorithmic Toolbox".
- ✓ Ms. Ruchika Mhetre, from SE ECS completed eight weeks Coursera course on "Foundations: Data, Data, Everywhere".
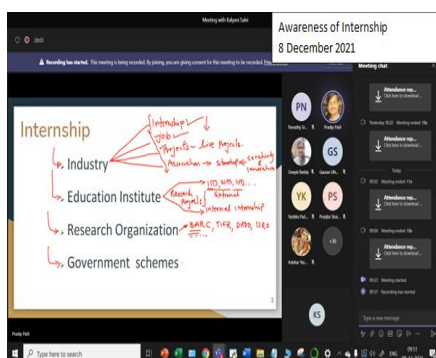
- ✓ Ms. Anoushka Gaikwad, from SE ECS completed four weeks Coursera course on "Programming for Everybody (Getting Started with Python)".
- ✓ Ms. Aman Chavan, from SE ECS completed four weeks Coursera course on "Programming for Everybody (Getting Started with Python)".
- ✓ Ms. Sanya Arvind Sharma, from SE ECS completed one weeks Coursera course on "Python Basics".

Seminars /workshops organized by ECS Department:

- ☐ ECS department has organized an Expert talk on "Insights in the field of Electronics and Computer Science" by Abhey Phansikar.

- ✓ ECS department has organized an Expert talk on "Awareness of Internship" by Dr. Pradip Patil (Head of IIC, Associate Professor-SIESGST, Mechanical Department)

- ☐ ECS department has organized an Expert talk on "Conducted Mini project 1A orientation for ECS faculty of all colleges on behalf of University of Mumbai" by Expert-Dr. Sapna Prabhu, Fr. CRCE, Mumbai.

Seminars /workshops/Faculty Development Programattended by ECS Department Faculty :

- ☐ Ms.Kalyani Salvi has attended Recent trends and advances of next generation 5G Technologies organized by LOKMANYA TILAK COLLEGE OF ENGINEERING on 17th June, 2021 to 19th June, 2021

- ☐ Ms.Kalyani Salvi has coordinated Online Faculty Orientation Program for the course of "Software Testing & Quality Assurance"[ECCDO501], 'Rev 2019'Scheme of Semester-V, organized by Department of Electronics and Computer Science SIES Graduate School of Technology

- ☐ Ms. Kalyani Salvi has attended "Cyber Physical Systems" organized by Ramrao Adik Institute of Technology on 28th June 2021 to 2nd July 2021.

- ☐ Ms.Rekha Gupta has attended Recent trends and advances of next generation 5G Technologies organized by LOKMANYA TILAK COLLEGE OF ENGINEERING on 17th June, 2021 to 19th June, 2021

Note from the HOD's Desk

Electronics and Computer Science is the integration of electronics engineering and computer science to develop software and hardware systems. The syllabus is designed according to the requirements of Industry 4.0 which includes software engineering, embedded systems, VLSI, Robotics, Cloud Computing, Big data analytics, Machine Learning, etc. The scope is very wide in both hardware and software industry.