



NEWSLETTER

2023-24



STUDENT CHAPTERS



Foreword



**From Principal's Desk:
Dr. Madhuri Khambete**

Dear Students,

I am immensely proud of the outstanding work being done by our student teams through the professional chapter activities under prestigious bodies like IEEE, CSI, ACM, ASME, ISA, and SWE. These organizations are at the forefront of global advancements in technology, engineering, and computing, and your active participation in them is both commendable and inspiring.

Engaging in these professional chapters offers you an unparalleled opportunity to connect with industry leaders, stay updated with the latest trends, and contribute to cutting-edge research and development. Beyond the technical knowledge and skills you gain, you are also cultivating a network of peers and professionals that will support your career aspirations.

Your involvement in these activities is not only enhancing your academic experience but also preparing you for future challenges in the professional world. I encourage each of you to continue participating actively, sharing knowledge, and striving for excellence in all your endeavors.

Together, let's keep pushing the boundaries of innovation and leadership, while upholding the highest standards of professionalism.

Foreword



**From Dean-Student Affairs' Desk:
Dr. Dipti Patil**

I am incredibly proud of the exceptional work our students are accomplishing through their involvement in professional chapter activities under esteemed organizations like IEEE, CSI, ACM, ASME, ISA, and SWE. These prestigious bodies are leaders in global advancements across technology, engineering, and computing, and your active engagement in them is both admirable and inspiring.

Participating in these professional chapters gives you a unique opportunity to connect with industry experts, stay ahead of emerging trends, and contribute to innovative research and development. In addition to honing your technical knowledge and skills, you are building a valuable network of peers and professionals, which will play a key role in supporting your future career goals.

Your involvement in these activities not only enriches your academic experience but also equips you with the tools to face future professional challenges. I urge all of you to continue your active participation, share your insights, and strive for excellence in everything you do.



IEEE

2023-24



Branch Councillor

- Dr. Mrudul Dixit

Faculty Co-ordinator

- Prof. Sagar Vanarase

Chairperson

- Sanika Rudrawar

ABOUT IEEE

IEEE is the world's largest professional society dedicated to advancing technological excellence for the benefit of humanity. The IEEE student branch of CCOEW was established in 2002. Meritorious students are given 50% concession in registration fees. The activities conducted include workshops, industrial visits, guest lectures, webinars, panel discussion, competitions etc.

Events Conducted

PUNE METRO UNDERGROUND STATION VISIT

- This educational tour provided in-depth insights into the telecommunication systems used in the metro.
- The visit highlighted the significant impact of technology on modern infrastructure and public transportation, demonstrating how the Pune Metro serves a substantial number of commuters daily.



SEMINAR: EDUCATION ABROAD AND BEYOND

- Led by Namrata Champanerkar (Cummins College alumnae) Branch Head of Inspirus Education Pune, the session offered invaluable guidance on preparing for and pursuing a Master's degree abroad in various countries.
- She shared her expertise on key topics such as important exams, scholarship strategies, and financial aid options.



SEMINAR ON JOURNEY CUMMINS TO APPLE

- IEEE hosted a seminar titled "Journey Cummins to Apple: Leadership Insights and Creating Business Value".
- The guest speaker, Sonali Galhotra, a Senior Manager at Apple and Cummins College alumna, shared insights into her career journey.
- The session offered valuable insights into leadership and business value creation.



Events Conducted



SEMINAR : ZERO TO GA (GENERATIVE AI)

- A dynamic seminar on Generative AI recently captivated attendees, featuring Dr. Yogesh Kulkarni, a renowned AI coach.
- The session covered essential concepts such as word vectors, paradigm shifts in AI, and the relationships between AI, ML, and DL.

INDUSTRIAL VISIT TO TM AUTOMOTIVE

- TM Automotive, a key supplier of high-performance seats for TATA vehicles, showcased its state-of-the-art facilities, rigorous quality checks, and integration of robotics and automation.



BYTE BATTLES

- For innovation 2024, IEEE x TDSC hosted Byte Battles - a place where people came together to talk about technology!
- Students who were good with tech were invited to a fun event where they competed against students from other colleges.
- There were prizes: ₹6000 for first place and ₹4000 for second place.



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ASME

2023-24



Student Co-ordinators

- Maithili Deshpande
- Aboli Pakhale

Faculty Co-ordinator

Dr.Yashwant Munde

ABOUT ASME

American Society of Mechanical Engineers is a professional association that promotes the arts, science, and practice of multidisciplinary engineering and allied sciences around the globe. ASME Student's Section of Cummins College is established in September 2015. This is the first student section of its kind established in Savitribai Phule Pune University. In collaboration with this worldwide organization, the ASME Cummins Student Section actively functions.

Events Conducted



INTERNSHIP TALK 4.0

The following session “Enlightening Experiences” was arranged by ASME Cummins Student Section in order for the audience to gain better insight into the selection process. The speakers talked about their experiences working as interns so that the students get an idea of what to expect once they get an internship.



REVERSE ENGINEERING

The Reverse Engineering event was filled with excitement and joy. Many students participated willingly. The students had to solve the crossword within 15 minutes.

This event provided an opportunity to students to showcase their vocabulary and enrich their knowledge. In this event the students were given a particular theme, and according to the theme the students had to fill in the related words within the 15-minute time limit.

Events Conducted



INDUSTRIAL VISIT

On 29th February 2024, ASME-CCOEW organized an industrial visit to Lear Corporation's Chakan Plant. The visit included a presentation on the plant's operations and a Q&A session, where students gained insights into industry concepts like Free Cash Flow, IATF standards, and foam manufacturing.



ENGINEERING CANVAS

The abstract submission and poster presentation competition drew 27 registrations, showcasing participants' creativity and innovation. It provided a platform for sharing novel ideas, advancing knowledge across various fields, and fostering collaboration and critical thinking.

AI/ML IN MECHANICAL ENGINEERING

Dr. Aanchana Sharma, with a BTech and MTech from LPU and a PhD from IIT Jammu, led a session on AI/ML in Mechanical Engineering.

She provided insights into the field's current work, collaborations, and future scope, actively engaging with students and clearing their doubts.



ASME X MOZILLA WEBSITE LAUNCH EVENT

On April 12, 2024, ASME, in collaboration with the Mozilla Club of CCOEW, hosted a website launch event. Club members presented updates based on ASME's feedback, including a new light-themed design, improved navigation, and the addition of ASME's team and event reports. ASME expressed gratitude to the Mozilla Club for creating an excellent website.

Team



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ACM-W

2023-24



ABOUT ACMW:

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- Dr. Sandhya Arora

Head Co-ordinator

- Aaditee Iche

The ACM-W Chapter at Cummins College of Engineering for Women is dedicated to supporting and empowering women in the field of computing. As an affiliated chapter of the Association for Computing Machinery (ACM) and its Women (ACM-W) program, we are committed to fostering a vibrant, inclusive community where women can thrive academically, professionally, and personally.

Events Conducted



Code-It 2023

Inter-college Coding Competition

Code-It was an offline competitive coding contest tailored for all year students across all branches. The event consisted of 173 participants, where top 3 in each year were awarded fostering a spirit of competitive coding. Dr. Abhijat Vichare, Adjunct Professor at CCOEW, was honored to distribute the prizes during the ceremony.



User-Experience(UX) Webinar

'A Glance into the World of User Experience' was the national level webinar held by ACMW consisting of 148 diverse participants. The event UI/UX aesthetics, branding, accessibility, and testing. Mr. Jagan Murugan, a Mechanical Engineer and Industrial Designer from Manama, Bahrain, delivered an insightful presentation, enriching the session with his expertise in design and innovation.

Data Science and Analysis with Python and R - Hands On Workshop

An online technical workshop was conducted by ACMW with Pranali Rekhawar, Advanced Manager at Walmart Connects and Prof. Madhuri Tagaonkar, which gained 104 participants from different colleges. The workshop featured hands-on demonstrations of data science tools and techniques using Python and R. Topics included Python libraries (Numpy, Pandas), data visualisation, preprocessing, and basic machine learning models, exploratory data analysis (EDA).

Events Conducted



Distinguished Speaker Program AI - The Key to Scaling Cyber Defence

The Distinguished Speaker Program titled 'AI - The Key to Scaling Cyber Defence' was hosted by ACMW, which was open to all BTech students of all branches. The session covered how AI technologies are revolutionising threat detection, prevention, and response strategies, providing valuable insights into the future of digital defence and the impact of AI in cybersecurity. This event explored the critical role of artificial intelligence in enhancing cybersecurity.



Tech-Tesseract Inter-College Hackathon (ACM-W CCEW x Code Club)



This event was in collaboration with Code Club which provided a platform for first to third year BTech students to showcase their skills on Github by tackling challenges in Health and Wellness, Education and Citizen Safety. Teams were judged on the criteria of problem identification, uniqueness, impact, feasibility, scalability, and execution. Winners were recognised and awarded goodies worth the prize pool of Rs. 6000 at the offline Prize Distribution Ceremony. The accolades went to Cummins College of Engineering for Women, Shri Sant Gajanan Maharaj College of Engineering, Shegaon and PICT.

Team



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SWE

2023-24



ABOUT SWE

For more than seven decades, the Society of Women Engineers has given women engineers a unique place and voice within the engineering industry. The Society of Women Engineers (SWE) at Cummins College of Engineering for Women, Pune empowers aspiring women in STEM through mentorship, professional development, and community outreach. We foster an inclusive environment that inspires innovation, leadership, and excellence, paving the way for a brighter, gender-equitable future in engineering and technology.

Faculty Coordinator

- Dr. Anagha Kulkarni

Student Coordinators

- Sonakshi Goyal - President
- Harshal Rawlani - Secretary

Events Conducted



The Grey Project

On February 6, 2024, SWE CCEW hosted the Grey Project's Fourth Speed Mentorship Session at the Instrumentation Quadrangle. This event connected first and second-year students with third and fourth-year mentors to address academic and personal challenges. The session began with mentor introductions, followed by rotating mentor-mentee groups every two minutes.

The event aimed to encourage personal development, networking, leadership, and communication skills, aligning with SWE's mission to advance women in STEM fields. It emphasized the importance of mentorship in navigating academic and professional landscapes for both mentees and mentors.



**SWE Volunteers with
Neha Verma & Dr.
Anagha Kulkarni**

Neurodiversity Session

On October 11, 2023, SWE CCEW hosted session on neurodiversity at the Instrumentation Auditorium, featuring engineer and industry mentor Ms. Neha Verma. She, along with panel members and faculty, explored how neurodivergent brains function differently and highlighted the importance of embracing cognitive diversity.

The discussion also addressed practical solutions for creating inclusive workspaces, such as Universal Design principles that benefit everyone. This event exemplified SWE CCEW's commitment to promoting awareness and inclusivity within the academic community and fostering a culture of understanding.

Events Conducted



SWE PDG 2024

From April 13 to April 15, 2024, SWE CCEW hosted the Program Development Grant (PDG) event, aimed at introducing standard 12th students to the world of Arduino. This initiative was designed to spark interest in embedded systems and provide hands-on experience with Arduino technology. The PDG event's success was marked by active student participation and enthusiasm. The practical sessions and interactive quizzes enhanced the students' understanding of Arduino's applications, fostering interest in STEM fields. The mentorship session bridged gaps between different academic years, the neurodiversity session raised awareness, and the Arduino workshop provided practical skills and inspiration. Each event contributed to building a supportive academic community, aligning with SWE's mission to empower students and professionals in STEM.



WeLocal Experience

Organised by the Society of Women Engineers, WeLocal was a two-day conference event where had the privilege to engage with women professionals and leaders from diverse backgrounds and fields. About the challenges women face in their corporate lives, how they make sure their voice is heard at the table, and how being a woman shouldn't ever limit the heights of success one can achieve. The wealth of knowledge shared was truly insurmountable.

Looking ahead, SWE CCEW plans to continue hosting impactful events, focusing on expanding opportunities for students to engage with cutting-edge technology and social issues. By fostering collaboration and continuous learning, SWE CCEW aims to create a lasting positive impact on its women's academic and professional journeys.

Team



President: Sonakshi Goyal
Secretary: Harshal Rawlani

Team

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- Kanak Daulatni- Treasurer
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- Abha Barge- Documentation Head
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IETE Student Forum

2023-24



Faculty Coordinator

- Prof. Sagar Vanarase

Student Co-ordinators

- Janhavi Gaikwad

ABOUT IETE

The Institution of Electronics and Telecommunication Engineers (IETE), founded in 1953, is India's premier professional society dedicated to advancing Electronics, Telecommunication, and IT. Recognized as a Scientific and Industrial Research Organization (SIRO), it has over 1,25,000 members. IETE provides leadership in technology, education, and career development. The IETE Students Forum (ISF), with 60,000 members, enhances engineering education and fosters industry connections and professional growth.



Events Conducted

IETE Women Achiever Award Function

The IETE Award Function, a prestigious non-technical event, took place on 8th September 2023. The ceremony honored significant contributions in Electronics and Telecommunication. Dr. Reema Tandale was the main awardee, and Dr. V.V. Shete served as the Chief Guest. Additional awardees included Mrs. Jyotsna Bahirat, Mrs. Pratibha Joshi, and Dr. Reema Tandale (4th from the left). The event celebrated excellence and leadership within the IETE community.



Entrepreneurship Workshop

The IETE conducted a significant technical event on 8th September 2023, with Mrs. Jyotsna Dnyaneshwar Bahirat, COO of the Centre for Youth Development and Activities (CYDA), Pune, as the Resource Person. The event focused on exploring current advancements in Electronics and Telecommunication, providing attendees with expert insights.



Electronic Aptitude Test

The IETE held the Electronic Aptitude Test at Cummins College of Engineering for Women on 27th February 2024. The event celebrated student excellence in electronics. The winners were Shruti Mandar Deo, Ankita Vishvas Shinde, and Hitiksha Ahire. This test provided students with an opportunity to demonstrate their technical skills and knowledge, fostering a spirit of innovation and competition.



Events Conducted

Idea Competition on Science Day

The IETE organized an Idea Competition on Science Day, 1st March 2024, at Cummins College of Engineering for Women. This college-level ideathon encouraged students to present innovative ideas and solutions in the field of science and technology. The event served as a platform for young minds to showcase their creativity and problem-solving skills, promoting a culture of innovation and critical thinking within academic community.



Monthly Newsletters

The IETE released its monthly newsletters covering key topics: February's issue introduced the macro world of microelectronics, June's explored the future of semiconductors in India, and July's focused on the advancements and potential of 6G technology. These newsletters provided valuable insights and updates on cutting-edge developments in Telecommunication, keeping members informed with the latest industry trends.

IETE National Level Project Competition

The IETE hosted the *National Level Project Competition* on 2nd April 2024, an intercollege event aimed at strengthening Project-Based Learning through innovative ideas using emerging technologies. The competition encouraged students to develop products addressing societal needs, aligning with the “स्वावलंबी भारत” (Self-Reliant India) vision of the Hon'ble Prime Minister. This event promoted creative problem-solving and contributed to the development of solutions benefiting society.

Team



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**It's not about having time.
It's about making time.**

-Anonymous

Student clubs at Cummins College are student-initiated, student-led groups that cater to diverse interests, talents, and passions, ranging from technology to arts, culture, business, and social sciences. These clubs play a vital role in enriching campus life, fostering all-round personal development, and enhancing students' technical, leadership, and soft skills. The college supports the creation and growth of these clubs by providing resources such as classrooms, laboratories, and auditoriums, as well as mentorship and guidance. Additionally, the college offers funding and resources for inter-college competitions in fields like arts, music, and drama, ensuring a vibrant and enriching college experience.



A Comprehensive Newsletter for 2023-24

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Kudos to all the contributors!