



PRESENTED BY
DEPARTMENT OF
COMPUTER SCIENCE &
ENGINEERING



EDITION
2023-2024

Department of Computer Science and Engineering



Our Vision

The vision of the Department is to create computing professionals, researchers, and entrepreneurs, with high technical competency and communication skills by setting high standards in academic excellence and meeting the future needs of the society.

Mission

The mission of the Department is to:

- Provide motivated faculty and state of the art facilities for education and research, both in foundational aspects and emerging computing trends.
- Develop knowledgeable, industry-ready students with pertinent competencies such as problem solving, leadership, and interpersonal skills.
- Inculcate responsibility through sharing of knowledge and innovative computing solutions that benefit the society-at-large.
- Engage in collaborative research with academia and industry for seamless transfer of knowledge resulting in patents, products and commercialization.
- Generate adequate resources for research activities from sponsored projects and consultancy.



ABOUT

The Computer Science and Engineering Association (CSEA) of College of Engineering Guindy is an association with a legacy of more than 10 years, established for the primary goal of "Knowledge Advancement".

It extends to develop and promote the progression of Computer Science and technologies to its students as well as the members of the global community through its rich alumni support. Comprising students and faculty, CSEA is one of the most active Engineering Associations in the city.

VISION

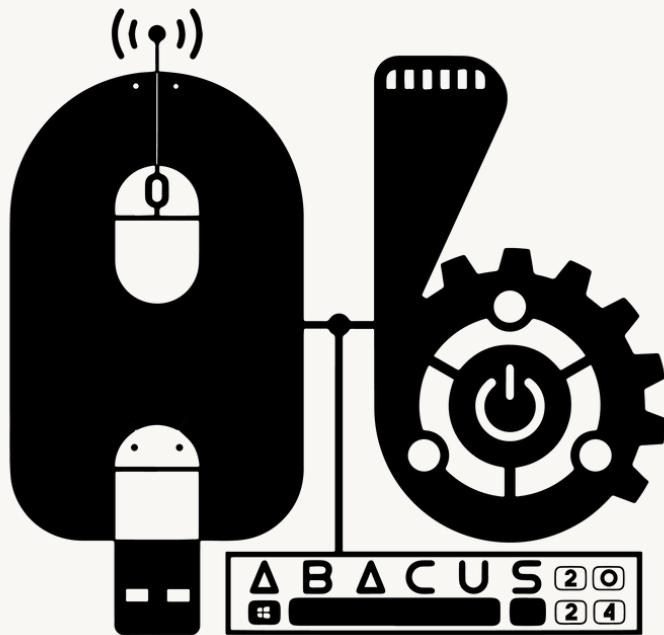
Engineering being a rewarding career, CSEA thrives to provide updated resources and a highly developed structure that facilitates an interactive environment for the students and the faculty. The association also attempts to conduct classes on various topics for the students with the classes being taken by the students, hence can rightly be stated the association by the students and for the students.

Aiming to bring Computer Science Engineers all around the globe towards a common ground, it helps motivate one another towards creating a better society and spreading awareness about technological innovation and advancements.

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ABACUS



With its growing success year after year, the annual technical symposium of the CSE department, Abacus, attracts students from various colleges to take part in the events. The events are aimed at bringing out the talents of the students by conducting a series of competitions. These events include technical events such as hackathons, workshops, all night coding events and a few non technical events too. Abacus also hosts professional seminars by companies that are looking for efficient engineers, providing a multitude of opportunities to young minds seeking internships.

SYNC



Sync is an intra-college symposium hosted by the Department of Computer Science. This symposium identifies and nurtures the talent within the college through a variety of events organized by the students. With overnight hackathons, workshops, and coding events, the two-day symposium is a skill showcasing platform for budding computer science professionals.

RUSA

About RUSA



Rashtriya Uchchatar Shiksha Abhiyan or RUSA, as it's commonly known, is a Centrally Sponsored Scheme that focuses on quality and research, equity-based development, and autonomy amongst so much more. The Department of Computer Science and Engineering at Anna University falls under the umbrella of RUSA and has always been keen on improving the overall quality of education for students by complying with the norms of the scheme.

INDUCTION PROGRAMME

When new students join an institution, they bring diverse perspectives, backgrounds, and levels of preparation. It is essential to assist them in adjusting to their new environment and to instill in them the ethos of the institution, fostering a sense of larger purpose. To this end, we propose a two-week induction programme for incoming students.

This year, from August 30 to September 1, we welcomed grey tags (1st years) to the Department through various fun events and icebreakers. The first day's events were organized by brown tag (4th years) and orange tag (3rd years) volunteers, while the next two days were coordinated by purple tag (2nd years) volunteers. Activities included games designed to promote interaction among the new students. We also highlighted CSEA activities and addressed any questions about the department or curriculum, fostering a sense of community and belonging.

Student Testimonials

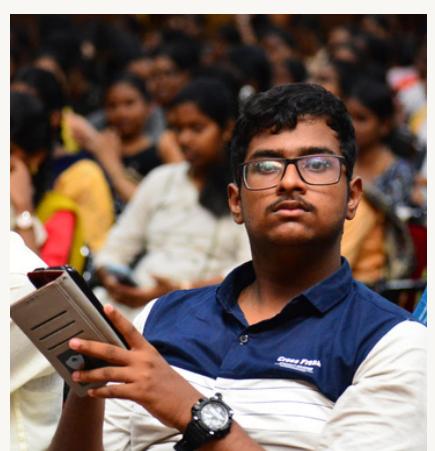


I was initially very worried about the ambience of the college when I first entered, but the induction programme conducted gave me a positive mindset about the environment. Programs such as Universal Human Values helped me to understand the value of humanity and the importance of mutual respect in society. Additionally, fun activities like Western music, Western dance, and silambam helped us to enhance bond with our colleagues. Overall, it was a good experience; we enjoyed those days a lot and made some good friends.

- **Santhakumar, 1st year, CSE**

Owing to the organisation of the induction programme by the seniors, the students were boosted up with the knowledge of how the facilities in the college would be and we've developed several extra-curricular activities including communication and personality development, yoga practices and creative arts too. These skills inculcated new qualities among the students. In addition to that, the department activities conducted at that time made the students to develop new friends and those were really an amazing and blissful experiences. To put in short, the induction programme has created a mindset in the students to get into the college's atmosphere in an elegant way. The contribution of seniors in conducting this programme is really appreciable since they dedicated a lot in making us get quickly into the college's exposure. Furthermore, they were very friendly and supportive.

- **Bakia Adithyan S, 1st year, CSE**



FRESHERS DAY

Freshers Day is an event conducted every year during the beginning months of Even semester, to welcome new students into the department with a variety of fun and creative events that unleashes the knack of the students in various aspects. This event seeks to kick-start the relationship between juniors and seniors, where the seniors provide a heart-warming welcome to the juniors and aspire to start working and learning with them. Piloting the interactive environment of seniors and juniors, it paves way for the juniors to explore themselves and unwrap their potential.

In this year's Freshers Day, the tradition of fun and creativity continued to shine brightly. From captivating talent performances to tailored events catering to the grey tags, every aspect was meticulously designed to create an inclusive and interactive atmosphere. These initiatives aimed not only to welcome newcomers but also to encourage them to shed inhibitions and embrace their potential.



Student Testimonials



Fresher's day programs organised by our department seniors were entertaining. The games conducted for first years, were enjoyable. We had lots of fun and great memories. Dance performances were awesome. Thanks to seniors who took initiative to organise fresher's day for us and entertaining us.

- **Nishal, 1st year, CSE**

Rookie Fest '24, the most anticipated event for us the freshers, indeed proved to be a platform for camaraderie and connection with our seniors. The interactive sessions helped us foster bonds and ignite friendships among ourselves and with our seniors. From fun-filled activities to rocking stage performances, every moment was nothing short of sheer happiness. Looking forward to a great run ahead at CEG !!

- **Nethra B, 1st year, CSE**



ALUMNI MEET



In a wonderful tribute to the rich heritage of CSE, the Department of Computer Science and Engineering at CEG, Anna University hosted its eagerly awaited fifth alumni meet on November 19, 2023.

This important occasion reunited alumni and present students, creating a sense of unity and strong bonds. To keep the atmosphere lively and relaxed, the program included fun activities, allowing everyone to laugh and reminisce about cherished memories with the alumni. The alumni's priceless insights, who kindly gave their professional experiences and advice on making the transition from college to the corporate world, were a major highlight. Their fascinating tales gave students an idea of the fascinating prospects that await current students upon graduation.

This atmosphere of joy and satisfaction demonstrated how well the alumni meet succeeded in forging strong relationships and a deep sense of belonging among those who support CSE at CEG, Anna University.

STUDENT TESTIMONIALS

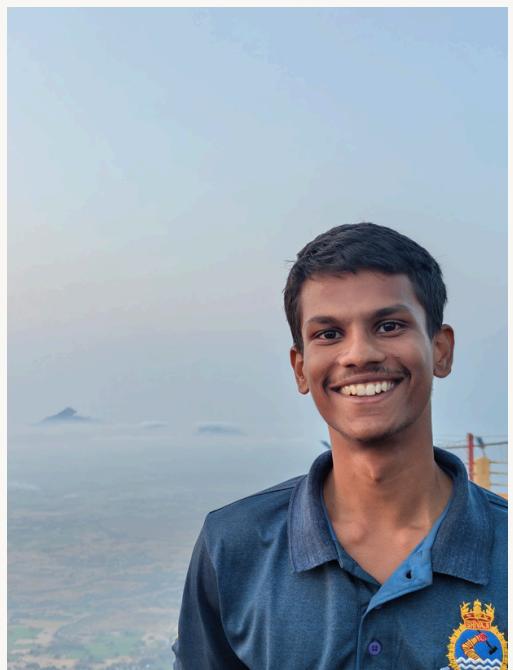


The alumni meet organized by our department was an incredible experience. The event kicked off with engaging games that made it easy for us to connect with the alumni right from the start. I was fascinated by the fact that even the oldest seniors made it to the meet, showcasing their enduring bond with our department. I had a wonderful time interacting with our friendly seniors, who were eager to share their valuable insights about their careers in the IT industry and their memorable college days. They emphasized the importance of cherishing our time in college and making the most of these years. This meet provided a fantastic opportunity to establish important contacts and gain fresh perspectives from professionals already thriving in the tech field. The whole event was well-organized, fun, and deeply enriching, leaving me with lasting memories and valuable connections.

- **Smrithi Prakash, 3rd year, CSE**

I was delighted to see many of our alumni finding time in their busy schedules to reconnect with their alma mater. The most significant aspect of meeting with the seniors is undoubtedly their invaluable advice and the dos and don'ts from their experiences, which greatly enrich our college life. Interacting with them provided us with valuable career insights. To ensure the event did not become overly formal, fun elements were interspersed throughout the program. Laughing and reminiscing about beautiful memories with our alumni was the highlight of the Alumni Meet.

- **Parithi M, 3rd year, CSE**



INITIATIVES

Supplementary classes

Student organized supplementary classes were taken by the senior year students to the first years to help the freshers understand basic computer science and programming concepts particularly for the students who were from other backgrounds in their high school and for the lateral entry students. Classes were conducted after the official hours with support and guidance of the teachers. Topics such as Arrays, Pointers, Linked lists, OOPS, Computer Architecture and various other topics were covered during those sessions. Students felt they were useful and it helped them to cope up with their classes.

Competitive programming

In order to crack the various rounds of interviews during their placement drives students were given daily problems in their first year. Questions based on competitive programming were given to code and solve and also many quizzes were conducted on the same. This helped the students to practice such things and be aware of the things which they'll face during their placements.

Intern Talks

To provide a comprehensive understanding of the internship selection process, the Intern Talks were organised, where third-year students who secured summer internships shared invaluable insights and strategies with their juniors. These talks served as a window into the preparation, interview procedures, coding rounds, and overall internship selection journey. The sessions included offering practical tips and advice to help juniors navigate the rigorous selection process. From effective preparation strategies to navigating coding challenges and excelling in interviews, the talks covered all aspects crucial for internship success.

Juniors benefited immensely from the wealth of information shared during the Intern Talks, gaining valuable insights that would undoubtedly aid them in their own internship pursuits.

STUDENT ACHIEVEMENTS

Cognavi Ascend Hackathon



On a fine morning, we, the team Codesprinters comprising of B Murali, J Ganesh, Monica T, Rajasekar SK, landed in Bangalore. We made our way to the Indian Institute of Science (IISc) Bangalore to participate in Cognavi Ascend, a hackathon organized by Cognavi, a company specializing in placement solutions. In the initial round, there were three different themes provided such as women empowerment in workplace, Efficient Talent acquisition, economic growth and job security. We submitted our solution on economic growth and job security. There were around 63 submissions in the initial round and top 10 were invited for the finals.

Our project focused on Hiring Optimization, a solution designed to help enterprises make data-driven decisions in their hiring processes. Our solution consists of three modules

1. Module 1 - Matching employees in the enterprise with the project requirements.
 2. Module 2 - We defined a program for generating score to each employee which denotes their availability for taking up new tasks.
 3. Module 3 - Prediction of hiring counts of the enterprise in the next quarter.
- first two modules deals with effective resource utilization and the later for data driven hiring.

During the first round of presentations, we faced a barrage of questions from the firm's chief engineers, which we managed to answer precisely and confidently. The following day brought the second round, an intense Q&A session. This round delved deeper into the practical feasibility of our solution. We engaged in detailed discussions and defended our project thoroughly. In the end, our hard work paid off—we won the first prize! We celebrated by spending the weekend exploring Bangalore before heading back to college, despite a slight delay in our train.

STUDENT ACHIEVEMENTS

SIH Hackathon



Participating in the national-level hackathon in Noida was a remarkable experience for our team of six, comprising of Muthu Palaniyappan (IST), Sai Sathish (IST), Dinesh (IST), Jayenth (IST), and Vidharshana Ravi (CSE), led by Balaji Anbalagan (IST). We tackled a challenging hardware/software problem statement, aiming to develop an Augmentative and Alternative Communication (AAC) device for children with physical and mental challenges. The hackathon took place at Galgotias University, Noida, over a span of five days. We went through three rounds of evaluation, each time noting down the feedback provided by our judges and improving on it.

We spent a considerable time deliberating on various problem statements before selecting a hardware/software problem statement that not only was challenging, hence promising lesser competition, but also presented a valuable learning opportunity. We took help from Raghuveera Sir, who assisted us in the presentation, providing feedback and corrections before our initial submission. Our mentors, Bama Ma'am, and Selvi Ma'am offered unwavering support and guidance, right from ideation, helping us refine our approach and develop modules that could truly be useful. The support from IT dept HoD Dr. S.Swamynathan Sir and CSE dept HoD Dr. S.Valli Ma'am was truly instrumental.

Our AAC device featured functionalities such as eye tracking, context recognition, and multiple communication modalities. We started working as soon as we reached the university and maintained the pace over the entire course. The hackathon was as much a test of perseverance as it was of skill, especially given the need to optimize our code to prevent hardware failures.

Despite the sleepless nights, our hard work paid off when we won the first prize. We were thrilled and humbled by the victory and are eager to further develop our project. The hackathon not only provided an incredible networking opportunity but also reaffirmed the importance of dedication and teamwork in achieving our goals.

PLACEMENT STATISTICS

1

Ampera	E2 Infosystems
Aptiv	Ford Business Solutions
Arcadia	GoDigit
Arm Embedded	IDFC FIRST Bank
Baton Systems	Infinera
Chronus	Intellect Design Arena
Collins Aerospace	Morgan Stanley
Digit Insurance	M2P Fintech

NatWest
Netradyne
RootQuotient
Société Générale
Standard Chartered
Starten Systems
Trimble Inc.
TVS Credit Services Ltd.
Vivriti Capital

2

Amazon
Arcesium
DTCC Enterprise Services
Infibeam
MKS Vision
TalentServe
Vegrow
VISA Inc.
Walmart Global Tech India

3

BNY Mellon
LatentView Analytics
Software AG
Verizon

4

Appian
Bank of America
John Deere
Versa Networks

7

SAP Labs

8

Wells Fargo

5

Caterpillar

6

Barclays
Citi CSC

TOTAL NUMBER OF CSE
STUDENTS PLACED
IN 2023-24

103

Those who participated in Campus Placements got placed



COOKIES

SYNC 2023

Every year, CSEA organizes an intra-college symposium called Sync, which is one of the signature event of DCSE CEG. When Sync, the first event on the academic calendar, approaches, there is usually a mad rush of excitement in the air. Sync'23, held on October 17th and 18th, 2023, was no exception, offering a diverse range of events and activities catering to both technical and non-technical interests.

The technical events, designed to challenge and assess essential software engineering skills, featured OSPC as a standout. OSPC provided a competitive platform for evaluating students' programming prowess, crucial for internship and placement preparation.



In addition to OSPC, Sync'23 boasted "Hello World," an exclusive opportunity for freshers to showcase their technical acumen minus the pressure of competing with seasoned seniors. This event garnered a massive turnout, highlighting the freshers' enthusiasm at their inaugural symposium. "Code for Queens" emerged as another flagship event, celebrating women in coding with engaging quizzes and coding rounds, warmly received by participants. SYNC also featured an "Ideathon" where teams brainstormed innovative solutions to given problem statements, and "Web Duel", testing web development skills.

Sync'23 was not solely focused on coding; it offered a plethora of fun events like Knives out, Snap Hunt, and Fantasy League, fostering a vibrant atmosphere for students to bond with peers and seniors alike.

With 7 technical events and 6 non-technical events along with a workshop on Building and Scaling Applications using Python Django, Sync'23 was a resounding success, creating memories cherished by students for years to come!



REACH 2024



Every year, as a component of ABACUS, we organize outreach initiatives in colleges across Tamil Nadu, aiming to enhance student engagement and amplify awareness for our symposium. Our specialized workshops under the REACH umbrella introduce students to emerging technologies, ensuring they remain at the forefront of innovation and industry relevance. REACH goes beyond academics by offering tailored events that prepare students for competitive landscapes, equipping them with essential skills and confidence for future placements and interviews.

The REACH initiative by CSEA in the month of February, this year, undertook a successful outreach mission, sparking a keen interest in technology among students at two prestigious institutions - Government College of Technology, Coimbatore and PSNA College of Engineering and Technology, Dindigul. We used a multifaceted approach to ensure maximum outreach in and around the colleges of Coimbatore and Dindigul.

This year, our programme expanded with 4 technical events, 2 workshops and tailored placement sessions. Students from various colleges, actively participated in the technical events and workshops, refining their skills and expanding their knowledge base. The success of REACH'24 at both colleges underscores its dedication to fostering a vibrant tech community in the region.

STUDENT TESTIMONIALS



Being a part of Reach'24, the outreach initiative orchestrated by CSEA as a precursor to Abacus'24, proved to be an invaluable learning journey. It offered a distinguished platform for refining our organizational and marketing acumen. Conducted in Coimbatore and Dindigul in February 2024, the event witnessed a substantial turnout from colleges in the surrounding areas, attesting to its widespread appeal. The concerted efforts of all co-organizers were pivotal in ensuring the event's resounding success. Additionally, the unwavering support of the 2 juniors throughout the entirety of Reach'24 underscored the collaborative ethos that defined this noteworthy endeavor.

- **Sankar Madhavan B, 4th year, CSE**

Over the span of four days, the efforts of the domain marketing and media extended across Coimbatore and Dindigul, with a focus on engaging with students and institutions. In Coimbatore, our initial focus was on engaging with the top colleges through marketing initiatives on the first day, while the second day was dedicated to discussing ongoing events within the region, particularly within the host college. Transitioning to Dindigul, a similar approach was adopted, with the first day dedicated to marketing endeavors in prominent institutions, followed by the execution of events, workshops on the subsequent day. This strategic division of activities allowed us to maximize our outreach and impact in both regions effectively.

Witnessing students enthusiastically participate and excel in these activities was truly gratifying. Notably, top-performing students not only showcased their talents but also contributed to our intercollege symposium, Abacus. The overwhelming appreciation received from the host college staff for orchestrating such enriching experiences filled us with a deep sense of fulfillment.



- **Tharani A, 3rd year, CSE**

ABACUS 2024

The Abacus 2024 event, organized by the DCSE fraternity, was a meticulously planned and thoughtfully executed event that catered to a broad range of technical abilities among students. From seasoned programmers to novices exploring the tech world, Abacus'24 offered something to captivate everyone's interest.

The event consisted of a series of workshops, such as "Gen AI Unleashed ", "Rapid Dev with AI-

Powered Tools " and " Cloud Computing with GCP ", which provided deep insights into cutting-edge concepts that are shaping the future of technology.

The highlight of the event was the all-night tech marathon, "Starlight Coding", where participants showcased their coding prowess across various domains of Computer Science through multiple sub-rounds.

Apart from the marathon, each of the three days was packed with engaging events, blending technical challenges with non-technical fun activities, ensuring a well-rounded experience for all attendees.

The event also hosted both on-site and online programming contests, along with brain-twisting competitions like "Source Code", "Takeshi Castle Coding" and "Query Quest", which kept participants on their toes, fostering collaboration and honing problem-solving skills under pressure.

Abacus'24 offered a total of ten technical and ten non-technical events, including few online pre-events, providing ample opportunities for students to showcase their talents and win prizes worth Rs. 1 Lakh.

Overall, Abacus'24 was a reflection of the DCSE fraternity's ethos of collective growth and community building, reflecting their commitment to nurturing innovation and camaraderie among students.



STUDENT TESTIMONIALS



I had a blast at ABACUS'24, our department's annual technical symposium from March 21-23. It was a mix of tech workshops, including AI and cloud computing. I participated in Starlight Coding and volunteered for other activities, connecting with peers. Ethnic Wear Day added cultural flair. The event was lively with dynamic events and carnivals, fostering camaraderie. It enriched my skills and strengthened our college community bonds. Overall, an unforgettable experience!

- **S J Nithisha, 2nd year, CSE**

More than just an event; ABACUS was a celebration of innovation, knowledge and teamwork. Each activity was a new experience and learning. The three days were so engaged. It was incredibly rewarding to interact with other college students with the exchange of diverse ideas and perspectives. I volunteered in some technical events like Novice.Init(), Sitesculpt, OSPC, ML Mania and Code for queens. My most favourite part of the whole Abacus was conducting the events on day. Out of 3 days, the Tshirt day and traditional day was almost a photoshoot day with lot of funny activities and memories. It was a unique blend of excitement and responsibility. Everyone's hardwork and passion made this magic happen. Overall, this developed my organizational and leadership skills. Those different colour id cards of abacus and tshirt will always recollect these beautiful memories. The skills and memories I gained will undoubtedly be valuable in my future endeavors.

- **Renjitha K, 2nd year, CSE**





A NOTE *from the team*

We extend our heartfelt gratitude to the leadership of the Computer Science and Engineering Association (CSEA) for their unwavering support and guidance throughout this year. We are especially grateful to our Head of Department, Dr. S. Valli, whose vision and encouragement have been instrumental in our success.

The 2023-2024 CSEA team was headed by President Dr. S. Chitrakala and Treasurer Ms. M. S. Karthika Devi. All the activities and initiatives of the CSEA were successfully performed under their expert leadership and direction.

We would also like to acknowledge the invaluable contributions of all our dedicated faculty as well. Thank you for your dedication and commitment to fostering a vibrant and dynamic environment within the CSE department. Your efforts have greatly contributed to the success of this year's activities and the publication of this magazine.

The CSEA Team



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