

FINERPRINT

CHANDIGARH COLLEGE OF ENGINEERING & TECHNOLOGY (DEGREE WING)

PRINCIPAL'S MESSAGE

In our everyday life and in every sphere of our life the influence of technology is becoming so pervasive, it gets indispensable to keep up with this fast changing world. The students have reiterated their efforts in extracurricular and academics activities in synchronization with the industry requirements to make sure that the students prove themselves to be skilled and adept. The perfect platform that makes a learning environment ideal is calm, well-disciplined and orderly learning environment; purposeful and stimulating teaching. We believe that hard work with discipline and proper guidance is a guarantee to excellence and we work dedicatedly to achieve the same. I commend institute publication cell for publishing the new issue of the college newsletter. I encourage not only our students but our Faculties too, to hone their skills and yearn for innovation.



Dr. M. S. Gujral

Principal

CCET Degree Wing, Chandigarh

HON'BLE HOME MINISTER SH. AMIT SHAH VISIT



On 22nd December, 2023, the Chandigarh College of Engineering and Technology (Degree Wing) had the esteemed privilege of hosting the Honorable Home Minister, Shri Amit Shah, for the grand inauguration of its new Academic Block (Block C). The event marked a significant milestone in the institution's pursuit of educational excellence. The Home Minister's presence underscored a shared commitment to fostering progress and development through education. His inspiring vision resonated deeply with the ethos of the college, promising a future of growth and excellence under his esteemed guidance.

NATIONAL SERVICE SCHEME

KARGIL VIJAY DIWAS

Chandigarh College of Engineering and Technology (Degree Wing), Sector-26, organized events to celebrate Kargil Vijay Diwas on 26th July, 2023 under the guidance of our honourable Principal - Dr. M.S. Gujral, Professor I/C Student Welfare Dr. Sunil K. Singh, President Student Council Dr. Gulshan Goyal, Er. Hardeep Saini I/C NCC and NSS Program Officer- Dr. Sarabjeet Singh.

TREE PLANTATION DRIVE

On 9th August, 2023 The National Service Scheme (NSS) unit of CCET (Degree wing) organized a plantation drive for medicinal plants at A block as part of its ongoing commitment to environmental conservation and community service under Meri Maati Mera Desh. A total of 75 medicinal plants were planted during the event. The event aimed to raise awareness about the importance of trees in maintaining ecological balance and enhancing the overall well-being of the local community.



The event was organized under the guidance of Dr. M.S. Gujral, Principal, Dr. Sunil Kumar Singh Professor I/C Student Welfare, President Student Council: Dr. Gulshan Goyal, Dr. Anil Kumar Vagmare, Er. Hardeep Saini I/C NCC, I/C Horticulture Dr. Mukesh Kumar and NSS Program Officer Dr. Sarabjeet Singh.

INDEPENDENCE DAY CELEBRATION

On 30th August, 2023 CCET (Degree Wing) celebrated Independence Day under Meri Maati Mera Desh event series. The event was organized by student volunteers of the CCET Club and was held under the guidance of our Principal - Dr. M.S. Gujral, Dr. Sunil Kumar Singh Professor I/C Student Welfare, President Student Council: Dr. Gulshan Goyal, Dr. Anil Kumar Vagmare, I/C Club Dr. Parvinder Kaur and NSS Program Officer Dr. Sarabjeet Singh. Selfie with National Flag was also uploaded by staff members and students.

VECTOR BORNE DISEASES AWARENESS DRIVE



Chandigarh College of Engineering and Technology (Degree Wing), Sector-26, organized awareness drive for Vector Borne Diseases from 10th October to 14th October, 2023 at adopted village Kishangarh under the guidance of our honourable Principal - Dr. M.S. Gujral, Professor I/C Student Welfare Dr. Sunil K. Singh, President Student Council Dr. Gulshan Goyal and NSS Program Officer- Dr. Sarabjeet Singh. A total of 12 volunteers took part in the event.

NATIONAL UNITY DAY

Chandigarh College of Engineering and Technology (Degree Wing), Sector-26, organized National Unity Day on 31st October, 2023 under the guidance of our honourable Principal - Dr. M.S. Gujral, Professor I/C Student Welfare Dr. Sunil K. Singh, President Student Council Dr. Gulshan Goyal and NSS Program Officer- Dr. Sarabjeet Singh. Mr Nirbhay Singh of CSE III Year coordinated the event.

VIGILANCE AWARENESS WEEK

Chandigarh College of Engineering and Technology (Degree Wing), Sector-26, organized a Vigilance Awareness Drive from 30th October to 3rd November, 2023 under the guidance of our honourable Principal - Dr. M.S. Gujral, Professor I/C Student Welfare Dr. Sunil K. Singh, President Student Council Dr. Gulshan Goyal and NSS Program Officer- Dr. Sarabjeet Singh.



INSTITUTION'S INNOVATION COUNCIL

INNOVATION PROTOTYPE VALIDATION

On 28th August, 2023 the IIC at CCET organized a session on "Innovation Prototype Validation- Converting Innovation into a Start-up" with Dr. Jagriti Saini, Founder of "Eternal RESTEM", as the speaker. She discussed cultivating innovative ideas and startup development stages, including prototyping and validation. The session also covered Intellectual Property protection. Students found it highly inspiring and gained clarity on transforming ideas into a Minimum Viable Product.



ACCELERATORS/INCUBATION – OPPORTUNITIES FOR ENTREPRENEURS

The IIC at Chandigarh College of Engineering and Technology (Degree Wing) organized two sessions on "Accelerators/Incubation – Opportunities for students & Faculties Early-Stage Entrepreneurs" on 31st August, 2023. Dr. Jagriti Saini, Founder & Owner of Eternal RESTEM, a startup in Mohali focused on student growth and welfare, motivated attendees to persevere despite lockdown challenges. The session was highly inspirational and interactive for students.



PROBLEM SOLVING AND IDEATION WORKSHOP



The Institute Innovation Cell (IIC) at Chandigarh College of Engineering and Technology (Degree Wing) held a highly enlightening and engaging Problem-Solving and Ideation Workshop on the 2nd November, 2023. Facilitated by Dr. Karan Godara, the session proved to be a rich source of insights and strategies aimed at fostering eco-friendly living and promoting environmental conservation practices. The interactive nature of the workshop encouraged active participation, ensuring a collaborative and fruitful learning experience for all involved. Overall, the event served as a catalyst for inspiring individuals to adopt greener lifestyles and contribute towards building a more sustainable future.

INNOVATIVE PRODUCT DESIGN EXPO'23

The Innovative Product Design (IPD EXPO'23) was organized by Chandigarh College of Engineering & Technology on 22nd November, 2023. The event was inaugurated and launched by the Chief Guest, Ms. Hargunjit Kaur, IAS, Secretary Technical Education. The chief guest then visited the Innovative Product Design (IPD) and appreciated the innovative projects displayed by students. Dr. Aradhna Mehta and Dr. D.S. Saini were the Co- Coordinator and the Coordinator of IPD EXPO 2023 respectively.



APRATIM-2023: ANNUAL TECHNO CULTURAL FEST



The two days Annual Techno Cultural Fest APRATIM-2023 was at Chandigarh College Of Engineering & Technology (Degree Wing) on 22nd November, 2023. APRATIM- 2023 was inaugurated and launched by the Chief Guest, Ms. Hargunjit Kaur, IAS, Secretary Technical Education. The cultural theme of APRATIM 2023 was संस्कृति के रंग, अग्रतिम के संग and the social theme of fest was सशक्त महिला, समृद्ध भारत. During inauguration ceremony, the students of Dram-e-baaz club presented a skit titled “Shakti” to highlight the social theme of APRATIM 2023. During day one, technical events scheduled are Code Crusade, paper presentation, line following, CAD competition , Writeathon and Holdup blocks. Major cultural events for day one include CHROMA painting competition, Mono act, Solo Singing, Solo dance, Nukkad Natak. Large number of students from various colleges and Universities are participating in different events.

BLOOD DONATION CAMP

On 27th September, 2023, Chandigarh College of Engineering and Technology (Degree Wing) in collaboration with GMCH - 32 Chandigarh organized a Blood Donation Camp on campus. The event was inaugurated by Principal Dr. M.S. Gujral, Dr. Sunil K. Singh (Prof. In charge Student Welfare), and Dr. Gulshan Goyal (Assistant Professor, CSE, and President of Student Council). GMCH-32 collected 97 units of blood from student council members, students, faculty, and staff. Donors received certificates.



SMART INDIA INTERNAL HACKATHON - SIH' 23

Chandigarh College of Engineering and Technology (Degree Wing) organized an internal hackathon on 26th September, 2023, from 9:00 AM to 5:00 PM, to select teams for the Smart India Hackathon 2023 finale. In total 12 teams participated in SIH Internal Hackathon, 2023. Of the 72 registered students, 51 were male and 21 were female. The teams were evaluated based on Prototype Development/ Implementation, Practicability, User Experience, and Future Scope. The jury consisted of Dr. Varun Gupta, Head Applied Science Department, Dr. Dheerendra Singh, Professor - CSE Department, Dr. Sunita Assistant Professor - CSE Department, Dr. Anil Kumar Waghmare Assistant Professor - ECE Department & Dr. Sarita Sharma Assistant Professor - ECE Department.



STUDENT INDUCTION PROGRAM

The Applied Science Department organized the Student Induction Programme (SIP) for the batch (2023-27) students from 1st August to 14th August, 2023, aiming to facilitate a smooth transition into college life. Through engaging discussions and activities, students were introduced to college regulations, activities, and broader institutional goals, fostering self-exploration and a sense of purpose.



The programme encompassed sessions on universal human values, literary exploration, skill development, sports activities, supplemented by the participation of cultural and technical clubs. Additionally, students benefited from sessions addressing stress management, career advice, and creative pursuits like theatre and sketching, enriching their overall collegiate experience.

ORIENTATION PROGRAMME

On 31st August 2023, a one-day Orientation Programme was organized for the 1st Year and LEET (Lateral Entry) students of the Batch 2023 at CCET (Degree Wing)



STUDENT ACHIEVEMENTS

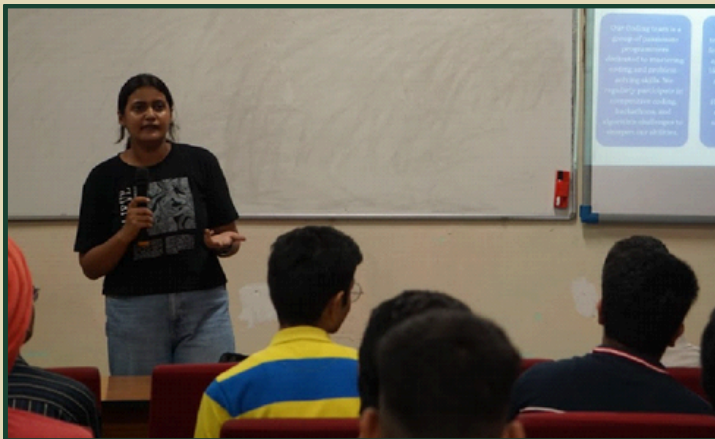
- Vanshika of CSE 1st year stood 2nd in Viksit Bharat Declamation contest held on 10th January, 2024 and 2nd position in MUN as a part of Apratim fest on 22nd November, 2023
- Japjot Singh Nanda of CSE 1st year stood 2nd in Code Crusade event as a part of Apratim Fest on 22nd November, 2023.
- Deependra Singh of CSE 1st year stood 2nd in Code crusade technical event of Apratim Fest held on 22nd November, 2023.
- Chahat of CSE 1st year secured 1st position in Chroma a painting competition event of Apratim fest on 22nd November, 2023.
- Avinash Dandapat from CSE 1st secured several accolades: 1st prize in Poster Making (World Tourism Day) at Dr. Ambedkar Institute of Hotel Management Catering and Nutrition on 26th September, 2023; 2nd prize in Poster Making (Khedo India) at the Khalsa College Youth Fest on 13th October, 2023; 3rd prize in Chroma Painting Competition (Women Empowerment) during Apratim at CCET on 22nd November, 2023; and 1st prize in Poster Making (Viksit Bharat) at Government College of Commerce and Business on 20th January, 2024.
- Shubham Sharma CSE 1st year stood 1st in basketball tournament of Fit India during Apratim fest on 22nd November 2023.
- Akshay Dhiman and Gauri of ECE got 2nd position in PEC Fest Nukkad natak on 19th November, 2023 and 1st position in Apratim CCET Nukkad Natak on 26th November, 2023.
- ECE students Indervir Singh, Jobandeep Singh and Ansh Naik stood 3rd in Folk Dance in PU Youth Fest held on 13th August, 2023.
- Mahir Verma and Deepanshu of ECE stood 1st in Photo Hunt Apratim Fest held on 23rd November, 2023.
- Tanishq Sharma, Udit and Sahil Patel of ECE got 1st position in Quiz on Elections held on National Voter's Day.
- Akshat Bhatnagar stood 3rd in inter-year table tennis held on 28th August, 2023.
- Tejinder Singh of mechanical first year stood First in Apratim Nukkad Natak and second Position in PEC fest nukad natak.
- Swayam Acaharya of Mechanical branch stood 2nd in Solo instrumental at APRATIM'23 held on 23rd November, 2023.

CODEQUEST HACKATHON

The CodeQuest Hackathon 2023, organized by CCET ACM & ACM-W Student Chapter with XIM University-ACM Student Chapter, was held on 28th -29th July, 2023. Participants competed for prizes, with the first prize winner receiving Rs. 1000 and a certificate, and the second prize winner receiving Rs. 500 and a certificate. All winning teams received extra goodies. The event featured a hybrid format with offline activities on Friday and online activities on Saturday.

ORIENTATION & CODE JAM SESSION

On 18th September, 2023, CCET ACM and ACM-W Student Chapter hosted an orientation session led by Aishita Sharma, introducing the new academic session and executive board. Utkarsh Chauhan led an interactive coding jam with over 100 enthusiastic students from various branches.



HACKTOBER FEST: INTRODUCTION

On the 6th October, 2023, CCET ACM and ACM-W student chapter hosted an event titled "Introduction to Hacktoberfest 2023." Ruchika Thakur, the webmaster for CASC-W, delivered an insightful presentation on the open-source ecosystem.

WEBDEV 101

Tushar Singh, CASC's Webmaster, led a workshop on web design aesthetics and essential skills for creating visually captivating web pages on 12th August, 2023. The session included theoretical insights and hands-on coding to provide practical web development experience to participants.

WRITE IT RIGHT

On 4th November, 2023, CCET ACM and ACM-W hosted an introductory session titled "Write it Right: Intro to Technical Writing," discussing the import-

-ance of technical writing and offering practical tips for research paper writing using tools like Google Scholar and Kaggle.

CODE JAM 01 SESSION

On 5th November, 2023, CCET ACM and ACM-W hosted 'CodeJam 101', an event where participants learned essential coding skills and programming languages from speakers Vanshika Bhardwaj, Saksham Arora, and Simran Jaggi through hands-on guidance.

HOURL OF CODE: CREATIVITY WITH AI

CCET ACM and ACM-W organized an Hour of Code event on the 9th December, 2023, during Computer Science Education Week. Themed 'Creativity with AI' participants explored the captivating fusion of art and technology. Utkarsh Chauhan CSE' was the speaker at the event.

STUDENT ACHIEVEMENTS

- Chandigarh College of Engineering and Technology congratulates Devashish Gupta, Manraj Singh, Deepak Mahto, and Ruchika Thakur for securing 2nd place at "Cyberthon 2023," a collaboration between Chandigarh Police and Infosys Chandigarh. The team won ₹75,000 in the 2-Day Hackathon, showcasing the institute's excellent faculty guidance and administrative support.



- Kanishk Nagpal (CO21328) won the second position in the Photography Competition organised at APRATIM, held at CCET on 22nd November, 2023.
- Japan Ajit Singh (CO21326) & Kanishk Nagpal (CO21328) won the first Prize at the IPD Expo held at CCET Degree Wing, on 22nd November, 2023

EVENTS/ WORKSHOPS

Dr. Dinesh Sharma Coordinated One Week Short Term Course on "Implementation of IoT using Arduino and R-Pi" organized collaboratively by the Department of Electrical Engineering at NITTTR and the Department of Electronics and Communication Engineering at CCET (Degree Wing). The course took place from the 21st - 25th August, 2023



FACULTY ACHIEVEMENTS

- Dr Irfan Ahmad Khan was awarded the National Award for Excellence in Education-2023 from AMP, Association, Mumbai, India (via an offline/online event) held at Bangalore on 5th September, 2023.
- Dr. Irfan Ahmad Khan, Assistant Professor attended the ISB INSIGHTS Forum- 2023 with an agenda "The World in 2047" organized by Indian School of Business (ISB), Mohali on 24th November, 2023. The event was conceptualized as an annual research showcase event with an objective to curate the research agenda of 'The World in 2047'.
- Dr. Shilpa Jindal and Dr. Irfan Ahmad Khan, Assistant Professors, attended the IIC Regional Meet-2023 at Panjab University, Chandigarh, on 21st November, 2023. The event, organized by the Ministry of Education's Innovation Cell and AICTE, marked the successful conclusion of the 1st IIC Regional meet.
- Dr. Irfan Ahmad Khan, Assistant Professor, served as an External Jury Member at NIFT, Panchkula in December 2023. He also attended the ISB INSIGHTS Forum-2023 at ISB, Mohali on 24th November, 2023, focusing on "The World in 2047," aimed at curating the research agenda for that year.

- Dr. Irfan Ahmad Khan, Assistant Professor, and his team were granted an International UK Design Patent for "AI DRIVEN DRONES FOR EFFECTIVE FOG DISPERSAL" by the Comptroller General of patents, Intellectual Property Office/ Patent Office, U.K. on 16th November, 2023.
- Dr. Parvinder Kaur from the ECE department, along with four faculty members from other departments, attended the "Viksit Bharat @ 2047" program at Raj Bhawan, Chandigarh, on 11th December, 2023.

STUDENT ACHIEVEMENTS

- Ruman Sidhu (CO20550) got her book "The Mist" published on Amazon Kindle, a popular e-reader device for book, magazine, and written content enthusiasts.
- Harshita Maheshwari (CO21535), participated in the Level 1.1: E-Commerce & Tech Quiz of the Flipkart GRiD 5.0-SoftwareDevelopment Track organized by Flipkart.
- Harshita Maheshwari (CO21535) participated in the 2nd National Article Writing Competition conducted by Legal Vidhiya.
- Dhruv Sharma (CO22518) secured the second position in Chess as part of Inter-Year Sports Event held at CCET (Degree Wing).
- Nandan Maurya (CO22529) had an outstanding accomplishment in Stage Play at IIT Delhi, and Street Play (PECFEST), on 22nd November, 2023.
- Subhrajeeet (CO22547) had an outstanding accomplishment in Stage Play at IIT Delhi, and Street Play (PECFEST), on 22nd November, 2023.
- Saksham Kohli (CO22540), Shivam Singh (CO22542), Sudhakar Yadav (CO22548), Kanhiya (CO22525), and Harshit (CO22521) won third position in Inter-Year Basketball Competition held on 22nd November, 2023.
- Namay Chaudhary (MCO21574) won the first position in the Photography Competition organized at APRATIM, held at CCET, Sector-26, Chandigarh on 22nd November, 2023.
- Lavanya (CO21544) won the first prize in inter-year basketball match held on 22nd November, 2023, Arshia (CO21520) and Pranjal (LCO21598) won the second prize in the same.
- Sukhjot Singh (CO21565) won the first prize in inter-year basketball match held on 22nd November, 2023.

CIVIL DEPARTMENT

STUDENT ACHIEVEMENTS

- Tarunima Gaur (CO22222) and Hardik Sood (CO22209) won 1st prize in IPD EXPO' 2023
- Haardik Verma (CO22207) and Diwakar Kumar (CO22205) won 2nd prize in IPD EXPO' 2023



- Saumya Sharma (CO21240), Amit Sihag (CO21205), Rohit (MCO21252) and Dinesh (CO21213) first position in IPD EXPO' 2023.
- Amit Sihag (CO21205) second position in brick masonry competition held at PEC.
- Haardik Verma (CO22207) and Diwakar Kumar (CO22205) along with team Dramebaaz stood first in Apratim Nukkad Natak.



- Diwakar Kumar (CO22205), Khushi (CO21223), Priyanshu Goel (LCO22238) and Aditya Kumar (LCO22227) stood 1st and 3rd respectively in Bridge It Civil technical event at Apratim, 2023.
- Satyajeet (CO21239), Jobanveer Singh Chahal (CO21220) won 1st prize in Hold Up Blocks technical event at Apratim, 2023.
- Tarunima Gaur (CO22222) and Shivani (CO22220) stood 2nd in Hold Up Blocks technical event at Apratim, 2023.
- Hardik Sood (CO22209) and Tanuj Goyal (LCO22241) stood 3rd in Hold Up Blocks technical event at Apratim, 2023.
- Haardik Verma (Co22207) and Diwakar Kumar (CO22205) along with team Dramebaaz stood second in PEC Fest Nukkad Natak on 19th November, 2023.
- Innayat (CO22210) stood 2nd in Poster making competition at Apratim 2023.



- Vishal Narwal (CO21248) stood 1st in solo instrumental cultural event at Apratim, 2023.
- Hardit Singh (CO21218) 1st position in Treasure Hunt event Apratim, 2023.

MECHANICAL DEPARTMENT

FACULTY ACHIEVEMENTS

- Dr. Jatinder Madan, published a book chapter on "Shift In Technology: A Mechanical Engineer's Perspective In The Post Covid-19 World", Aug. 2023, in Learning from the COVID-19 Pandemic Implications on Education", Environment, and Lifestyle Chapter 12, CRC Press.
- Dr. Vettivel S C published a journal paper "Study on wear behaviour characteristics of ZrO₂ and ZrN coated AZ91D Mg alloy, Journal of Mining and Metallurgy", Section B: Metallurgy 59 (2), 279-286, 2023.

FACULTY ACHIEVEMENTS

- Dr. Vettivel S C published a journal paper "Fractural analysis, microstructural, mechanical and tribological behaviour of vanadium trioxide-reinforced copper metal matrix composite by ultrasonic-assisted stir casting technique", Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 1-13, 2023.
- Dr. Vettivel S C published a journal paper "Optimization and Characterization Studies of Dissimilar Friction Stir Welding Parameters of Brass and Aluminum Alloy 6063 Using Taguchi, Advances in Materials Science and Engineering", 2023.
- Dr. Vettivel S C published a journal paper "Wear Behaviour of a Cu-Ni-Sn Hybrid Composite Reinforced with B₄C prepared by Powder Metallurgy Technique", Journal of Mechanical Engineering 69 (5-6), 275-283.
- Dr. Vettivel S C delivered an expert lecture on topic "Advanced Manufacturing Methods" on 11th August, 2023 in Short term course Hybrid Machining Process Organized by NITTTR, Chandigarh during 7th-11th August, 2023.
- Degree awarded for a Ph. D student, Rajiv Kumar (Roll no. 2014-EZ-215) on 2nd August, 2023. Title of the thesis is "Optimization of Welding parameters of Activated Tungsten Inert Gas Welding of Dissimilar AA 6063 & AA 7075" at Panjab University, Chandigarh. Under the supervision of Harmesh Kumar Kansal & Dr. Vettivel S C, AP/ME, CCET (Degree Wing).

STUDENT ACTIVITIES

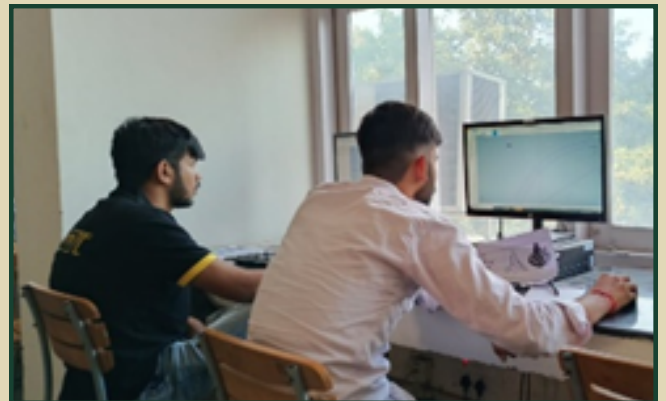
The core executive team of ASME CCET Student Section gave an introduction to the 1st year students of the college in their induction session. The session

was held on 14th August, 2023

- The core executive team of ASME CCET Student Section gave an introduction to the 1st year students of the college in their induction sessions. The session was held on 14th August, 2023.



- The competition was organised by ASME CCET in collaboration with IIC cell. The competition aimed at knowing the skills of the students that they have in CAD and their hold over the software.



CLUB ACHIEVEMENTS

BEATLES

On 18th September, 2023 the Beatles Club hosted its annual event, Retrograde. Retrograde offered a vibrant glimpse into college culture, providing a platform for connections to flourish. The event featured diverse dance performances, including Freestyle, Bhangra, contemporary, and hip-hop, showcasing members' dedication.



7 NOTES

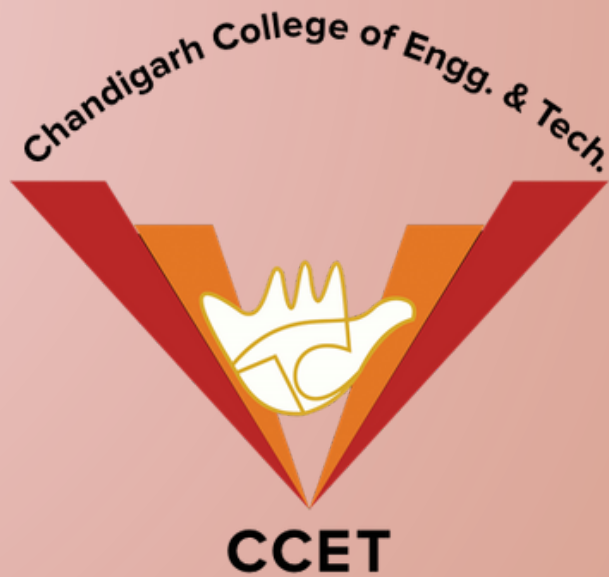
7 Notes, the Official Musical Club of CCET, hosted its annual pre-recruitment event, Consonance, on 27th September, 2023. Consonance was a true showcase of diversity, featuring a wide array of performances that catered to a broad range of musical tastes.



PUNJABI BY NATURE (PBN)

Punjabi by Nature PBN, CCET's official bhangra club presented Punjabi Folk Dance Jhumer in the annual PU Youth and Heritage festival 2023 organized by Punjab University. The participants showed their graceful and energetic skills and stood at the 3rd place out of 5 qualifying teams. The fest was held at SGGS Khalsa college, sector-26 Chandigarh.





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