

COE CHRONICLE

REFLECTING THE ESSENCE OF CAMPUS LIFE

Evolving Trends in Technology





Dr. Anuj Kumar Gupta
Chief Editor

Dear Readers,

Welcome to this issue of our college magazine, where we dive into the dynamic world of technology and its ever-evolving trends. As we navigate through a landscape marked by rapid advancements, it's fascinating to witness how technology shapes our lives, learning, and future.

From artificial intelligence and machine learning to the rise of sustainable tech, the pace of innovation is staggering. These developments redefine how we communicate and connect and challenge us to think critically about our responsibilities as digital citizens. We're not just passive consumers but active participants in shaping a more equitable and sustainable technological landscape. In this edition, we've gathered insights from students, faculty, and industry experts, exploring the impacts of emerging technologies on education, social interaction, and our environment. We hope to inspire you to think creatively about how you can harness these trends to make a difference in your community and beyond.

As we look to the future, let's embrace the possibilities that technology brings while remaining mindful of the ethical considerations and challenges that accompany such rapid change. Together, we can contribute to a world where innovation serves humanity. Happy reading!

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Dear Readers

Technology has become a vital part of human existence today. The tabula rasa has today been marked by imprints of technology everywhere, be it communication, connectivity, education, healthcare or enhancing work productivity. The society just like industries is transforming rapidly for an undefined and unexpected future.

In this edition of COE Chronicle, we have tried to bring the evolving trends in technology for making your lives easier and more convenient. This edition will cover the trending areas in employment, rapid technological advancements and shifting economic landscapes along with an insight into sustainability and green IT.

The evolving trends in education like Artificial Intelligence, Blended learning, gamification and many more are the vistas being explored by budding engineers. They have been learning ways to explore the unknown and unfathomed legions of imagination with their hard work and tenacity.

The future is for the robos, IT and AI and the students of today are the masters of tomorrow. Their endeavors will certainly ripen for bringing in healthy growth of this magazine, the institution and society at large.



Ms. Gurpreet kaur
Editor

"THE NEXT WAVE OF IT INNOVATION: EVOLVING TRENDS SHAPING THE FUTURE"



The trends of today set the stage for tomorrow's innovations. As businesses continue to embrace digital transformation, as new advancements in IT are driving efficiency, reshaping industries, and changing the way we interact with technology. Beyond the well-known trends like AI, quantum computing, and 5G, there are several other evolving IT trends that are shaping the future in equally transformative ways.

Cyber Resilience:

In an era where cyber-attacks are becoming more frequent and sophisticated, the focus is shifting from simply securing systems to ensuring cyber resilience. Cyber resilience refers to an organizations ability to continue operating even during a cyber-attack or security breach. As businesses become more reliant on digital infrastructure, cyber resilience is becoming a critical component of IT strategy.

Digital

A digital twin is a virtual replica of a physical asset, system, or environment that can be used to simulate, monitor, and optimize real-world processes. By collecting real-time data from IoT sensors, digital twins allow organizations to test different scenarios, predict failures, and optimize operations without impacting the actual system. This trend is expanding beyond industrial applications, with digital twins being used in healthcare for personalized treatment simulations and in smart cities for optimizing traffic flow.

Augmented Analytics:

Data analytics is evolving with the rise of augmented analytics, a trend that combines AI and machine learning with traditional data analysis techniques to enhance and automate insights. Augmented analytics platforms can automatically sift through vast amounts of data, uncover hidden patterns, and generate insights without requiring extensive manual effort or expert knowledge. By automating data preparation, analysis, and visualization, augmented analytics enables non-technical users to access and act on valuable insights quickly. This trend is making data-driven decision-making more accessible across organizations, empowering business users and decision-makers with powerful analytical tools.

Metaverse



The rise of the metaverse is re-defining the digital landscape, blending augmented reality (AR), virtual reality (VR), and the internet into immersive virtual worlds. This evolution will transform industries like entertainment, retail, and education, allow

-ing for virtual workspaces, social interactions, and digital economies built on block chain and non-fungible tokens (NFTs).

Privacy-Enhancing

PETs help organizations collect, share, and analyze data in a way that protects individual privacy and complies with regulations. Technologies such as differential privacy, homomorphic encryption, and secure multi-party computation enable the processing of sensitive data while maintaining privacy and security. These solutions are becoming particularly important in industries like finance and healthcare, where sensitive data must be protected while still allowing for valuable data-driven insights.

Self-Healing

Self-Healing Systems are designed to detect and resolve issues automatically without human input. They can address performance bottlenecks, security vulnerabilities, and failures in real-time, crucial for complex cloud environments. While AI, quantum computing, and 5G dominate the spotlight, emerging trends like Green IT, hyper automation, and digital twins are pushing IT toward more sustainable, secure, and intelligent systems, tackling technical, ethical, and environmental challenges for the future.

Dr. Sushil Kamboj
Prof & Head, CSE Department

TRENDING AREAS OF EMPLOYMENT



Mr. Mandeep Singh Saini
Associate Director
Training & Placement

In an era defined by rapid technological advancement and shifting economic landscapes, the job market is evolving at an unprecedented pace. It is imperative for today's graduates, especially those with specialized degrees like engineering, IT and MBA, to comprehend the hottest job sectors in order to make well-informed career decisions. Here, we explore the key sectors that are shaping the future of work for these graduates.

1. Information Technology (IT) and Software Development

The IT industry continues to be a major employer of B.Tech graduates. Software development, cybersecurity, and data analytics are at the forefront due to the widespread use of digital technology. Professions like that of software developers, data scientists, and cybersecurity specialists offer chances to work on cutting-edge initiatives that have an influence on both consumers and businesses. Graduates with programming expertise and a critical mindset will have an advantage as businesses embrace digital transformation more and more.

2. Data Science and Analytics

Data is frequently referred to be the new oil and its significance is expanding throughout all sectors of the economy. An avenue to successful professions for students with an analytics and statistics background is through positions in data science and business intelligence. Potential explorers can use data analytics to inform decisions and improve operations since they have a solid understanding of company strategy.

Data engineers, business intelligence consultants, and analysts are in high demand as companies look to use data to their advantage.

3. Digital Marketing and E-Commerce

Proficiency in digital marketing is highly sought after due to surge in online buying and digital engagement. Marketing-focused MBA graduates and e-commerce-focused B.Com graduates can work as social media strategists, SEO experts, and administrators of digital marketing campaigns. The demand for knowledgeable marketers who are familiar with digital platforms will only increase as companies look to improve their online presence and engage with customers.

4. Supply Chain Management and Operations

Supply chain management has emerged as a crucial field for business graduates as globalization and e-commerce transform the production and delivery of commodities. Rewarding jobs as supply chain analysts, logistics managers, and operations specialists are available. This is an attractive career for people with great analytical and organizational skills because companies are looking for specialists who can boost efficiency, cut costs, and streamline operations.

5. Renewable Energy and Sustainability

The renewable energy industry is producing a large number of job possibilities as the world moves toward sustainable practices. Candidates can concentrate on project management and sustainability consulting, while also can investigate careers in solar technology, energy management, and renewable energy engineering. This is an attractive field for graduates who are driven to have a positive effect because of the increased emphasis on environmental responsibility.

SUSTAINABILITY AND GREEN IT:

Trends and Importance in the Modern World

In recent years, sustainability has become a critical focus across industries, and the field of Information Technology (IT) is no exception. With rising concerns about climate change, resource depletion, and environmental degradation, businesses and governments are under increasing pressure to reduce their environmental impact. Green IT, or sustainable IT, refers to the practice of designing, manufacturing, using, and disposing computers, servers, and other technology systems in an environmental friendly manner. This article explores the latest trends in Green IT and how organizations are adopting sustainable practices to reduce their carbon footprint.

1. Sustainability in IT:

IT growth increases energy consumption, e-waste, and emissions. Sustainable IT aims to minimize energy use, reduce waste, and promote eco-friendly technologies. For businesses, sustainability improves efficiency, reduces costs, and meets regulatory requirements. Consumers and investors favor sustainable companies.

2. Energy-Efficient Data Centers:

Data centers consume vast amounts of energy. Companies implement energy-efficient technologies like server virtualization, liquid cooling, and renewable energy to address. Google, Amazon, and Microsoft have lead the way in renewable energy investments.

3. E-Waste Reduction & Circular Economy:

E-waste is a growing problem. Green IT promotes the circular economy through refurbishment, recycling, and sustainable design. Apple is a leader in closed-loop supply chains.

4. Cloud Computing & Virtualization:

Cloud computing offers sustainability benefits. Cloud providers focus on energy efficiency through dynamic workload allocation, shared resources, and sustainable practices. The shift to cloud reduces the need for physical hardware.



Ms. Priya
Assistant professor

5. Green Software Development:

Green software development focuses on efficient code, reducing energy consumption. Developers incorporate sustainability metrics into DevOps practices to create more environmentally conscious applications.

6. Remote Work & Sustainable IT Practices:

Remote work reduces carbon emissions from commuting and office energy use. It prompts businesses to invest in cloud services and collaboration platforms. However, personal electronic devices and home office setups require sustainable solutions.

7. Sustainability Certifications and Standards:

LEED, Energy Star, and ISO 14001 are certifications that guide businesses toward sustainable operations. They help businesses improve sustainability efforts and gain a competitive advantage.

Conclusion:

Businesses that prioritize sustainability are not only helping protect the environment but also reaping the benefits of cost savings, regulatory compliance, and improved brand reputation. As the world moves toward a more sustainable economy, Green IT will play a pivotal role in shaping the future of technology and industry.

Evolving Trends in Technology Regarding Education

The 21st century has witnessed an unprecedented digital revolution changing the future of education. The trend of adopting new technology or digital tools in the classroom and improving the distance learning experience is the sole aim of educational technology. Educators can use education technology to present knowledge in a way that is most beneficial for learning retention. In educational technology, we've seen various new emerging trends, including IOT, cloud technology, blockchain technology, machine learning, and artificial intelligence. This engaging technology has made the learning experience more enjoyable for individuals while assisting professors with tasks such as grading. Evolving trends in technology are shaping various sectors in daily life. Here are some key trends :-



Ms. Jaskirat

• Artificial Intelligence (AI):

AI is being used for personalized tutoring, grading automation, and data analytics to inform teaching strategies. AI chatbots are also assisting students with queries outside of classroom hours.

• Blended Learning:

Combining traditional face-to-face instruction with online resources is becoming more common. This approach allows for greater flexibility and access to a variety of learning materials.

• Gamification:

Integrating game design elements into educational content enhances engagement and motivation. This can include points, badges, and leaderboards to incentivize learning.

• Virtual and Augmented Reality (VR/AR):

These technologies offer immersive learning experiences, allowing students to explore complex concepts or historical events in a virtual environment.

Latest Trends In Educational Technology



• Mobile Learning:

With widespread use of smartphones and tablets, educational apps and mobile-friendly resources make learning accessible any-time, anywhere.

• Data-Driven Decision Making:

Learning analytics provide insights into student performance, helping educators tailor interventions and improve outcomes.

• Microlearning:

Short, focused segments of learning are gaining popularity, catering to the decreasing attention spans and busy schedules of learners.

Orientation Day

The Orientation Day at CGC College of Engineering, Landran, marked a vibrant beginning for the new academic session. Students arrived early and were registered by their respective Class Coordinators (CCs), ensuring a smooth and organized start to the day.

Overall, the Orientation Day set a positive tone for the new students, instilling a sense of excitement and anticipation for their journey ahead at CGC College of Engineering, Landran.



The program commenced with an inspiring address by the Campus Director, Dr. PN Hrishikesh, who welcomed the students and highlighted the importance of academic excellence and holistic development. Following him, Dr. Anuj Gupta, Director Principal of CGC College of Engineering, Landran, shared insights about the college's vision and mission, emphasizing the role of innovation and research in shaping the future.



Dr. Ruchi Singla, Director RISE, took the stage next, motivating students to pursue excellence in their academic and extracurricular endeavors. The AGM of the Corporate Resource Center also addressed the gathering, providing valuable information about career opportunities and industry collaborations.



Ms. Gagan Bhullar, Director Student Welfare (DSW), encouraged students to actively participate in various student activities and make the most of their time at CGC. Dr. Joginder Singh, Head of the Department of Applied Sciences thanked the students for their choice and for active participation in the program. He also thanked authorities for their benign presence. The program was convened smoothly by Ms. Gurpreet Kaur and Dr. Inderjot, who ensured that the event proceeded without any hitches.



Induction Program

Trip to VR Punjab



On 16 and 17 July 2024, the Induction Program at CGC College of Engineering, Landran, buzzed with excitement and engaging activities designed to foster camaraderie and creativity among new students. Participants from various B.Tech programs, including AIML, AIDS, Cyber Security, and CSE, kicked off their days with a visit to VR Punjab, a popular shopping and entertainment destination. This outing offered newcomers a chance to bond with peers and explore the local area, serving as a refreshing break from campus routines and allowing them to relax in a vibrant environment.

Through the Induction Program at CGC College of Engineering, students gained valuable interpersonal skills and strengthened their sense of community. The visit to VR Punjab not only facilitated social bonding among peers from different B.Tech programs but also provided a refreshing escape from academic pressures. This experience enhanced their adaptability and helped them feel more connected to their new environment, setting a positive tone for their time at the college.



On 16 and 17 July 2024, the B.Tech CSE department hosted a series of engaging activities to foster creativity and teamwork among students. Events included essay writing on topics like 'Water and Energy Conservation' and 'Brain Drain and Technology,' along with poster-making and sketching competitions. Students showcased their cultural heritage through Rangoli and Mehndi designs, while energetic dance and singing performances added vibrancy. Fun games, including crowd-favorite arm wrestling, promoted camaraderie and friendly competition, ensuring an enjoyable experience for all participants.



Fun Games



Dance Competition

INTERNAL SMART INDIA HACKATHON 2024

Smart India Hackathon 2024 is a nationwide initiative empowering students to address pressing challenges while fostering innovation and problem-solving. In the last edition, over 160,000 students from various colleges participated at 75+ locations. At CGC, more than 200 teams submitted innovative solutions, with around 50 teams shortlisted for the next phase of SIH-2024.



Institutional Startup Surge



The CGC-COE Department's Institutional Start-up Competition successfully promoted student innovation and entrepreneurship in a one-day event. It identified promising startups, providing resources, mentorship, and networking opportunities with investors. Participants left inspired and equipped with new knowledge and connections, underscoring the event's impact on creativity and collaboration within the institution.

The CGC-COE department recently hosted "GENDER SPHERE: Redefining Equality Conversations," featuring expert speakers Adv. Maninderjit Singh and Adv. Aashna Duggal. They provided valuable insights on gender equality and LGBTQIA+ rights through engaging discussions, interactive workshops, and impactful keynote presentations. The event focused on exploring the cultural, social, and political dimensions of gender equality, fostering a deeper understanding among attendees.

Awareness on entrepreneurship and startup

The CGC-COE department hosted an event promoting innovation and entrepreneurship, featuring insights from Dr. Mandeep Singh and Khvushwinder Singh, inspiring students to form groups and explore startup ideas.



GENDER SPHERE Redefining Equality Conversations



The event generated strong interest in entrepreneurship among students, equipping them with valuable insights and motivation to explore startup ventures. Many students formed groups to brainstorm ideas.

Induction Program

First-semester B.Tech students in CSE, AI&ML, AI&DS, and Cyber Security were updated on departmental achievements through a presentation. They then explored key campus locations, including hostels and the central library, during a visit. In the afternoon, they attended sessions with the Director of Academics, the Dean of Student Welfare, and the Dean of Research, who shared insights on academics, support systems, and research opportunities.

Anti-Ragging Movie



DSW Session



Through a departmental presentation, students gained valuable insights about their college. The session with the Director of Academics provided crucial information on attendance policies, leave procedures, and other academic updates. In the Dean of Student Welfare's session, students learned about various cultural and co-curricular activities, clubs, and sports opportunities. Additionally, the RISE session introduced students to ventures for new start-ups and patent opportunities, fostering an entrepreneurial spirit within the college community.

NCC Session

First-semester B.Tech students in CSE, AI&ML, AI&DS, and Cyber Security received an update on the ERP system, enhancing their academic resource management. They participated in sessions on the National Cadet Corps (NCC) and the National Service Scheme (NSS), which emphasized the importance of community service and leadership. In the afternoon, a session with the Chief Librarian was followed by the screening of a motivational movie, inspiring students to serve selflessly and contribute to both personal and national development.



Machine Learning Bootcamp

The CGC College of Engineering, organized a two-day Machine Learning Boot Camp in collaboration with Coding Ninjas and Grafix Club. The boot camp aimed to provide participants with hands-on experience in Machine Learning, covering essential algorithms, tools, and techniques. Attendees learned to develop and deploy models, analyze data, and solve real-world problems through practical projects, gaining skills to contribute to data-driven innovations.



The Machine Learning Bootcamp provides participants with a strong skill set in key algorithms, data processing, and model development. Through hands-on projects, they gain practical experience solving real-world problems and become proficient in data interpretation, model evaluation, and implementing data-driven solutions. The bootcamp equips individuals to confidently apply machine learning in professional settings and advance their careers.

Mr. Ashwin Goyal

Alumni-IIT Ropar
Product Manager-HRS Group
Mentor-Coding Ninjas

Industrial Visit to Antier School of BlockTech (ASB)

The College of Engineering organized an industrial visit to Antier School of Blocktech (ASB), Mohali, for B. Sc. (Cyber Security) and B.Sc. (AI & ML) students. The visit provided hands-on exposure to blockchain technology, focusing on its security aspects and real-world applications. Students engaged with industry leaders, explored blockchain solutions, and gained insight into its role in enhancing security and data integrity. This experience bridged the gap between theory and practice, enriching their academic learning and preparing them for future challenges in the tech industry.



Digital Marketing Unleashed: Strategies for the New Age

The Expert lecture by Shwetank Kumar Gupta organized at CGC-COE by IETE student forum and IEI Student chapter on Digital Marketing, attracted a diverse audience eager to explore the dynamic world of online promotion and branding. The session was led by an industry expert who provided a comprehensive overview of digital marketing strategies, including SEO, content marketing, social media engagement, and data analytics. The interactive session concluded with a Q&A session, where participants gained valuable insights into the practical challenges and opportunities in digital marketing.

- Attendees gained deeper understanding of key digital marketing strategies, including SEO, social media marketing, and content creation, enabling them to apply these concepts in real-world scenarios.
- The lecture provided a platform for students and professionals to network with industry experts and peers, fostering connections that could lead to future collaborations and career opportunities.

Code master Showdown

The Code master Showdown Competition held at CGC-COE was a dynamic and engaging technical event organized to celebrate Engineer's Day. Designed to foster a spirit of innovation and technical prowess among students, the event was structured into two exciting segments. The first segment featured a thrilling quiz competition hosted on the Kahoot platform, where students showcased their knowledge the second segment, which was a rigorous coding challenge on the Hacker Rank platform.

The Code Master Showdown event yielded several positive outcomes. Participants had the opportunity to enhance their technical skills through the quiz and coding challenge, which kept them highly engaged and motivated. The event provided a platform for students to showcase their talents, with top performers gaining recognition for their technical progress.



INFORMATIVE SESSIONS



Students of B.Tech (CSE, AI&ML, AI&DS, Cyber Security)-1st Semester were made aware of the benefits of yoga.

Respected registrar explained how students can avail various scholarships.



TRAINING AND PLACEMENT SESSION, ART OF LIVING, PRIZE DISTRIBUTION

In training and placement session the students interacted with TPP expert.

Lastly, the prize winners were awarded with prize for various positions they attained in various activities organized as a part of induction program.



The Expert talk was on Applications of Quantum Physics in Engineering. Quantum Physics: The Bizarre World of the Very Small. It is the branch of science that deals with the behavior of matter and energy at the smallest scales—the atomic and subatomic level. It's a world where the familiar laws of classical physics break down and give way to strange and counterintuitive phenomena Particles as Waves.



14-08-2024

Applications of Quantum Physics in Engineering



Students gained understanding of fundamental quantum concepts and how quantum physics and engineering intersect. The session was engaging, with an interactive quiz that challenged their knowledge.



22-08-2024

Use of AI in 3D printing:
Opportunities and Innovations

The session explored the transformative impact of artificial intelligence on the 3D printing industry. The expert discussed how AI technologies are enhancing various aspects of 3D printing, from design optimization and predictive maintenance to quality control and production efficiency. The talk covered current advancements, practical applications, and future opportunities that AI presented in revolutionizing 3D printing processes.

Attendees gained a comprehensive understanding of how integrating AI has led to innovative solutions and is driving the next wave of technological progress in additive manufacturing.



Sensation Software Solutions Pvt. Ltd Phase 8, Mohali

30-09-2024

The Nuclear Science Club, under the Department of Applied Sciences at CGC College of Engineering, organized an industrial visit to Sensation Software Solutions Pvt Ltd, Mohali. The primary objective was to provide B.Tech students studying Cyber Security and Artificial Intelligence and Data Structure a hands-on experience and insights into industry operations, challenges, and the application of their academic knowledge.



The visit took place at Sensation Software Solutions Pvt Ltd, located in Phase 8, Mohali. During the visit, students had the opportunity to engage with industry professionals who shared their expertise in various domains, including design consultancy, product development, and technical support services. The interactive session allowed students to ask questions and gain a deeper understanding of the software industry landscape.

Students learned about key technical processes involved in the software development lifecycle. Presentations and discussions covered the methodologies used in design consultancy, the stages of product development, and the intricacies of providing technical support. This exposure highlighted the importance of problem-solving and collaboration in real-world projects, emphasizing the application of cyber security measures and data management techniques in software solutions.

The industrial visit to Sensation Software Solutions Pvt Ltd was a success, providing B.Tech students in Cyber Security and Artificial Intelligence valuable insights into industry operations. Interactive sessions with professionals highlighted real-world challenges and applications of their academic knowledge. Participants left inspired and better connected to potential career paths in the tech sector.



Embracing the Evolution of Technology

In today's fast-paced world, technology is evolving at an unprecedented rate, reshaping our lives and the landscape of higher education. From artificial intelligence to renewable energy solutions, the advancements we see are not just tools; they are catalysts for change.

As students and future leaders, we must embrace these innovations while remaining aware of their implications. AI is transforming how we learn, making education more personalized and accessible. Online platforms allow us to connect with peers and experts globally, breaking down geographical barriers. Moreover, the push for sustainable technologies encourages us to rethink our environmental impact and strive for a greener future.

However, with great power comes great responsibility. As we adopt these technologies, we must also critically examine issues like data privacy, ethical AI use, and digital equity. It's essential to cultivate a mindset that balances enthusiasm for innovation with a commitment to ethical practices.

In this era of rapid change, let's be proactive. Engage with new technologies, advocate for responsible practices, and envision a future where innovation serves all of humanity. Embracing the evolution of technology is not just about keeping up; it's about leading the way toward a better tomorrow.

As we navigate this exciting journey, let's ensure that we harness technology to empower ourselves and our communities. The future is in our hands—let's shape it thoughtfully.

Anuj Kumar Gupta
Director Principal
CGC College of Engineering



World Ozone Day

1. Expert Talk on "Sustainable Engineering"
2. Ozothone: A PowerPoint presentation challenge
3. Ozone Artistry: A poster making competition

The session explored the transformative impact of sustainable engineering on Ozone day. The expert discussed how sustainable technologies can enhance various aspects of Ozone and can help repair the natural barrier. The expert shed light on the vital role of the ozone layer in our planet's ecosystem, current challenges it faces, and the global efforts to safeguard it.

A PowerPoint presentation competition and poster making competition based on theme sustainable engineering for Ozone protection was also held.



Attendees gained comprehensive understanding of how ozone layer forms and the natural and human-made processes that contribute to its depletion, including the impact of chlorofluorocarbons (CFCs) and other ozone-depleting substances.



Token of gratitude presented to Ms. Vasundhara Singh



Students participating in Poster Making



Students participating in Presentation(PPT)

Teacher Day-Awards

BEST TEACHER AWARD



Ms. Gurleen Kaur



Ms. Neha Sharma



Ms. Rachna Manchanda



Dr. Ashdeep Kaur



Ms. Seema



Dr. Gaurav Goel

AWARD FOR BEST EDITOR & ADMISSION COUNSELLOR



Ms Gurpreet kaur



Ms Shalu Ansari



Ms. Gursangeet kaur



Ms. Jaskiran Kaur

BEST INSTRUCTOR AWARD



Mr. Iqbal



Ms. Raman Rani



Ms. Gurpreet Kaur

AWARD OF APPRECIATION / RECOGNITION

Thanking each Teacher for fostering an environment where learning is enriching and fun."



Dr. Sushil Kamboj (Head, CSE department)
Appreciation for Overall NAAC coordinator



Dr. Gaurav Goel
For NAAC SPOC & Completing
10 years at CGC



Dr. Priyanka Kaushal
For NAAC SPOC

AWARD OF ACHIEVEMENT



Dr. Aditya Gauram
For PHD Completion



Dr. Himani Chugh
For PHD Completion



Dr. Pankaj Kumar
For SCI Publications



Dr. Harvinder Singh
For SCI Publications



Dr. Santosh Kumar
For SCI Publications



Ms. Geetika
Scopus Paper Publication



Dr. Nehal
For PHD Completion

Non Teaching Category



Ms. Raj Rani
Award of Appreciation



Mr. Arvinder Singh
Best Employee Award

Teacher Day-Awards

CGC College of Engineering has received the Award of Recognition for Best Performance in Europha 2k24 on Teachers Day. The team performed an act based on the theme of entertainment sources such as television and mobile phones.



ACTIVITY BY KERBEROS CLUB

26th September, 2024

ENVISION 2K24

(300+ participants)

The event "ENVISION 2K24" was organized by Kerberos club (technical club of CSE dept, CGC-COE) on 26th September, 2024 at CGC-College of Engineering. ENVISION being the full day fest was celebrated by great enthusiasm and witnessed participation from all the departments. Students with a wide range of interests participated in ENVISION events. Events of different kinds fostered and valued diverse skills and abilities.

Description:

The Kerberos Club hosted the all-day ENVISION event, which featured a variety of technical and non-technical events. This program provided students with an opportunity to learn and develop themselves through a variety of activities in addition to having fun. There was a noticeable amount of involvement in every activity during the event, from coding to gaming. It was set up with the intention of allowing the students to participate in extracurricular activities and develop their skills in their chosen disciplines.



Outcome:

Both technical and non-technical events ran smoothly and on time, with every activity handled seamlessly. Technical contests like Code Crushers and Frontend Fiesta helped participants enhance their skills, while non-technical events like Detective Collective, BGMI, and Reel Ventures showcased talent. The event not only boosted technical knowledge but also improved students' communication skills. Like a shiny award boosting self-esteem, the event energized students to pursue their goals, improve their skills, and make meaningful contributions. It left them with cherished memories to carry forward.



Envision 2k24

ENVISION 2K24—a spectacular one-day extravaganza organized by the Kerberos Club under the Department of Computer Science and Engineering—brought the campus to life with a fusion of intellect, creativity, and friendly competition. This dynamic event saw students engaging in a variety of technical and non-technical activities, each designed to challenge their skills and spark innovation.



The technical segment featured exciting events like Frontend Fiesta, showcasing web design skills, and PowerPoint Prodigy testing creativity in presentations. Code Crushers challenged coders in a fast-paced contest, while Quizzzy Braniacs tested tech and general knowledge. Winners earned cash prizes, trophies, and certificates, celebrating their hard work and brilliance.



In order to maintain the highest level of competition, experienced judges were brought in to evaluate key events such as Reel Ventures, PowerPoint Prodigy, Code Crushers, and Frontend Fiesta. Their impartial and expert judgment added credibility and fairness to the proceedings.

A significant part of the event's success lay in the hands of the dedicated senior and junior coordinators, who seamlessly managed every aspect of the event with precision and passion. Their efforts ensured that each event was conducted smoothly, with a high degree of discipline and professionalism maintained throughout the day.

ENVISION 2K24 proved to be more than just a competition—it was a celebration of talent, creativity, and camaraderie. The event left a lasting impression, inspiring students to push their boundaries and cherish the spirit of teamwork and innovation in a truly electrifying atmosphere.

The non-technical events were equally lively, with Reel Ventures showcasing storytelling through short videos, and BGMI captivating esports fans. Events like SixtyFour Squares, Sketch and Guess, and Detective Collective offered diverse, fun experiences. Winners received cash prizes and certificates, adding to the excitement and competitive spirit.



Achievements



Winners (1st) in Inter College
of CGC Basketball (Men and
Women)



Gold Medalist in IKGPTU
Inter College Table
Tennis Tournament



Shining Stars of CGC College
of Engineering (CSE)
Boys & Girls



Gold Medalist in IKGPTU Inter
College Chess tournament.

Achievements

Chandigarh State Powerlifting (20 July, 2024)

-Khushboo (5th / CSE) -> Silver



Chandigarh State Weightlifting (24-25 August, 2024)

-Vipin (5th / CSE) -> Bronze
-Aman Yadav (5th / CSE) -> Bronze
-Abhinav (3rd / AIML) -> Gold



Inter College Table Tennis Tournament (CGC)

-Khushboo (5th / CSE) -> Gold
-Priyanka Rawat (7th / CSE) -> Gold
-Sagar (7th / CSE) -> Gold



IKGPTU Inter College Swimming Tournament

- Harshit Srivastava (5th / CSE) -> Bronze



IKGPTU Inter College Table Tennis Tournament

-Sagar (7th / CSE) -> Gold
-Khushboo (5th / CSE) -> Silver
-Priyanka Rawat (7th / CSE) -> Silver



IKGPTU Inter College Chess Tournament

-Parth (5th / CSE) -> Gold
-Yash (3rd / CSE) -> Gold
-Naman Sachdeva (3rd / CSE) -> Silver



IKGPTU Inter College Kabaddi Tournament

-Vipin Kumar (5th / CSE) -> Bronze



World Photography Day

The theme of the Event was **"Thrill & Click CGC"**. First Year students of **CGC College of Engineering** participated and clicked the natural and realistic pictures of Life at CGC.

Event objective

CGC-COE, organized World Photography Day to be celebrated on August 19. The event aims to equip Graphics & Web Designing and Multimedia students with professional camera skills while connecting photographers and enthusiasts globally. It promotes awareness, idea-sharing, and encourages people to embrace photography, highlighting how the internet transforms lives through real-life stories.

Event Outcome

Event was conducted successfully and 50 plus students participated and clicked CGC life and saved them as a memory for later. The event encouraged budding photographers and raises more awareness about photography by holding discussions at various platforms globally.

The Department wishes that may the frames of photographers be full of fascinating stories and vibrant colors.

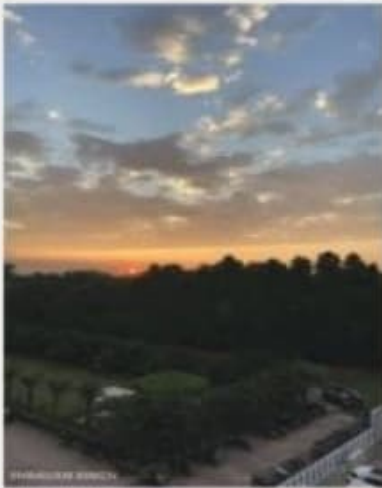




Jordan Dass
1st Semester
(Sketch with Colored pencils)



Sakshit
3rd Semester
(Logo Design)



Shravan Singh
3rd Semester
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