



**CGC COLLEGE  
OF ENGINEERING**

Building Careers. Transforming Lives.

**JUL - DEC  
2024**

# COMPUTER SCIENCE ENGINEERING



WHERE INNOVATION MEETS TALENT

INNOVATE  
TRANSFORM  
ELEVATE



VISVESVARAYA BLOCK

**SEMESTER  
HIGHLIGHTS**

*EVENTS ORGANISED AND  
PARTICIPATED THROUGHOUT  
THE SEMESTER*

**CGC - COLLEGE OF ENGINEERING, LANDRAN**

# GENDER SPHERE: EMPOWERING STUDENTS WITH CONVERSATIONS ON EQUALITY AND INCLUSIVITY



Organized by the CSE Department, CGC-COE on 19th July 2024

**Objective:** To educate and empower students on gender equality and inclusivity by fostering awareness, empathy, and a deeper understanding of the social, cultural, and political dimensions of gender.



## Event Highlights:

- Engaging interactive sessions allowed students to explore and discuss topics of gender equality and inclusivity.
- Keynote presentations from esteemed speakers covered essential themes, addressed gender sensitivity topics, including insights into transgender issues and challenges faced by the LGBTQ+ community.

## Outcome:

- Promoted respect for all genders, emphasizing the importance of moving beyond physical appearances and fostering open communication on gender-related issues.
- Participants were educated on the constitutional rights of the LGBTQ+ community, equipping them with knowledge to advocate for inclusivity and equal rights.

# INSTITUTIONAL START-UP EVENT: "START-UP SURGE: A TRIUMPH OF INNOVATION, CREATIVITY, AND COLLABORATION"



Organized by the CSE Department in collaboration with IEEE Club, CGC-COE on 12th August 2024

**Objective:** The competition aimed to foster a culture of innovation and entrepreneurship among students, helping to identify and support promising startup ideas.



## Opportunities provided:

- Providing resources and mentorship to student entrepreneurs.
- Offering networking opportunities with potential investors.

## Outcome:

- Top-performing startups were rewarded, motivating participants and setting a high benchmark for future competitions.
- The event showcased creativity, innovation, and collaboration, leaving participants inspired and better prepared to turn their ideas into successful ventures.
- The success of Start-up Surge set a new standard for future initiatives, underscoring the power of imagination in a collaborative environment.

# INNOVATION AND ENTREPRENEURSHIP EVENT AT CGC- COE: INSPIRING THE NEXT GENERATION OF ENTREPRENEURS, EXPERT TALKS IGNITE STARTUP SPIRIT AMONG STUDENTS



Organized by the CSE Department, E-CELL , CGC-COE on 14th August 2024

**Objective:** The competition aimed to foster a culture of innovation and entrepreneurship among students, helping to identify and support promising startup ideas.



## Featured Expert Speakers:

- Dr. Mandeep Singh, Thapar Institute of Engineering and Technology, Patiala
- Khushwinder Singh, Student Entrepreneur (Batch 2022-2026)

## Event Highlights:

- The expert talks provided valuable insights into entrepreneurship, startup culture, and practical strategies to navigate the entrepreneurial journey.
- Both speakers emphasized the importance of innovation, resilience, and proactive networking in building successful ventures.
- The event successfully laid the groundwork for a thriving culture of innovation and entrepreneurship at CGC-COE, with students eager to explore new entrepreneurial avenues.

# DIGITAL MARKETING UNLEASHED: EXPLORING KEY STRATEGIES FOR THE NEW AGE OF ONLINE PROMOTION



Organized by the CSE Department - IETE Student Forum and IEI Student Chapter, CGC-COE on 23rd August 2024

**Objective:** To equip students with a strong foundation in digital marketing strategies, enhancing their understanding of SEO, content marketing, social media engagement, and data analytics to prepare for successful careers in the digital landscape.



## Key Speaker:

- Shwetank Kumar Gupta, Digital Marketing Expert

## Event Highlights:

- Delivered a comprehensive overview of essential digital marketing strategies and techniques to thrive in today's online business environment.
- Covered crucial topics including SEO, content marketing, leveraging social media platforms, and the importance of data analytics in decision-making.
- The event fostered valuable connections among students, professionals, and industry experts, paving the way for future collaborations and career advancement opportunities.

## Outcome:

- The lecture enhanced participants' knowledge of digital marketing, providing actionable strategies and networking pathways to support their future professional growth.

# INTERNAL SMART INDIA HACKATHON 2024 : SHOWCASING INNOVATION AND PROBLEM-SOLVING FOR NATIONAL-LEVEL REPRESENTATION



Organized by the CSE Department, CGC-COE and CEC-CGC

**Objective:** Engage students in solving real-world challenges through innovative, practical solutions and prepare them for national representation.



## Key Highlights:

- 113 teams were the finalists out of 124 shortlisted from total 246 teams registered and presented their solutions.
- Judges were Industry experts, alumni, and CGC faculty evaluated team prototypes and solutions.

## Impact:

- The event highlighted CGC's commitment to promoting creativity, critical thinking, and problem-solving skills among its students continuing CGC's legacy of fostering innovation and excellence.

# GLOBAL OPPORTUNITIES AND INTELLECTUAL ENGAGEMENT: A SERIES OF DYNAMIC EVENTS BY THE DEPARTMENT OF INTERNATIONAL AFFAIRS (DIA)



Organized by the CSE Dept. in collaboration with Dept. of International Affairs, CGC-COE

**Objective:** To provide students with insights into international academic opportunities, fostering a global perspective and enhancing essential skills for future careers.



## Event Highlights:

- **2nd August:** Launch of a study abroad program.
- **9th August:** Delegation visit from University of the Highlands and Islands (UHI), Scotland.
- **10th September:** Sessions with representatives from University of North Alabama, University of West Alabama, and Christian Brothers University.
- **16th September:** Oratory Olympians debate competition.

## Outcome:

- Empowered students with knowledge of international educational avenues and developed critical skills for global engagement.

# CODEMASTER SHOWDOWN ON THRUST 2024 : CELEBRATING INNOVATION AND TECHNICAL EXCELLENCE AT CGC- COE - A THRILLING QUIZ AND CODING DUEL ON ENGINEER'S DAY



Organized by the CSE Department in collaboration with IEEE Club , CGC-COE on 16th September 2024

**Objective:** To honor Engineer's Day by fostering a spirit of innovation, technical skill, and competitiveness among students through an engaging quiz and coding duel.



## Event Highlights:

- Quiz Competition on Kahoot - tested students' technical knowledge.
- Coding Challenge on HackerRank - a rigorous coding duel.

## Outcome:

- Both segments encouraged critical thinking, problem-solving, and technical precision, making for an exhilarating and competitive atmosphere.
- The event celebrated Engineer's Day by recognizing and rewarding students' technical excellence and their passion for coding and innovation.

# BRIDGING THE GAP: INDUSTRIAL VISITS ENHANCE STUDENT LEARNING AND CAREER OPPORTUNITIES



Organized by the CSE Department, CGC-COE from 24th to 26th September 2024

**Objective:** To provide students with insights into international academic opportunities, fostering a global perspective and enhancing essential skills for future careers.



## Event Highlights:

- Gained insights into real-world workflows, client interactions, and cutting-edge technologies like **Blockchain, AI, UI design, Mobile App Development, and Digital Marketing.**
- Engaged with industry professionals during Q&A sessions, fostering a better understanding of industry challenges.

## Outcome:

- Opened doors to potential internships and career guidance.
- Enhanced students' preparedness for future career paths by exposing them to current industry practices and expectations.

# KERBEROS CLUB'S ENVISION EVENT: A DAY OF SKILL-BUILDING AND FUN ACTIVITIES



Organized by the CSE Department in collaboration with Kerberos Club, CGC-COE on 26th September 2024

**Objective:** The ENVISION event aimed to create a holistic learning environment where students could engage in both technical and creative pursuits. By providing diverse activities, it allowed students to enhance their skills, explore new interests, and gain hands-on experience in a collaborative, supportive setting.



## Key Highlights:

- Offered students a platform for skill development and engagement through diverse activities, balancing fun with learning.
- Technical events like Code Crushers and Frontend Fiesta focused on enhancing technical expertise, while non-technical competitions like Detective Collective, BGMI, and Reel Ventures provided opportunities for showcasing diverse talents.
- ENVISION boosted student morale, inspiring them to aim for greater accomplishments, enhance their skills, and contribute meaningfully to society.
- Participants improved both technical skills and communication abilities, benefiting from hands-on experience.

# EUREKA! PITCHING COMPETITION 2024: SHOWCASING STUDENT INNOVATION AND ENTREPRENEURSHIP



Organized by the CSE Department in collaboration with E-Cell COE and ACIC Rise, CGC-COE on 30th September 2024

**Objective:** To provide students with insights into international academic opportunities, fostering a global perspective and enhancing essential skills for future careers.



## Event Highlights:

- Participants pitched their startup ideas to a distinguished panel of judges, including:  
Mr. Ankush Chauhan (Nivara LLP)  
Mr. Neeraj Kaushal (Crown Hill IT )  
Dr. Parveen Singla (ACIC RISE)  
Dr. Deepika Sharma (ACIC)
- Prizes were awarded and winners will represent CGC-COE at the Zonal Level, potentially reaching IIT Bombay.



## Outcome:

- Three teams emerged as winners, demonstrating creativity and engaging with judges for valuable feedback.
- The event significantly strengthened CGC-COE's culture of innovation and entrepreneurship, inspiring the next generation of leaders.

# EMPOWERING FUTURE RESEARCHERS: IEEE INNOVATION DAY SHOWCASES EXPERT LECTURE ON INNOVATIVE TECHNIQUES FOR WRITING IMPACTFUL RESEARCH ARTICLES



Organized by the CSE Department in collaboration with IEEE Club, CGC-COE on 1st October 2024

**Objective:** To provide students with insights into international academic opportunities, fostering a global perspective and enhancing essential skills for future careers.



## Event Highlights:

- Guest lecture by Dr. Dhavleesh Rattan, Assistant Professor at Punjabi University, Patiala, and expert in software clone detection.
- Dr. Rattan shared valuable techniques for writing effective research papers, including tips on conducting literature reviews, formulating research questions, and writing impactful articles.

## Outcome:

- The session inspired and equipped engineering students and faculty members with practical strategies to improve their research and writing skills, fostering a deeper understanding of the research process.

# TRANSFORMING BUSINESS AGILITY: INSIGHTS FROM THE GUEST LECTURE “ REAL- TIME INSIGHTS ON ENHANCING AGILITY THROUGH DATA ANALYTICS”



Organized by the CSE Department in collaboration with IETE Student Forum, IEI Student Chapter, and IIC, CGC-COE on 3rd October 2024

**Objective:** To provide students with insights into international academic opportunities, fostering a global perspective and enhancing essential skills for future careers.



## Event Highlights:

- Industry experts and professionals discussed the transformative power of real-time data analytics.
- Keynote speeches, panel discussions, and interactive sessions provided valuable insights and practical strategies to enhance business agility.

## Outcome:

- Attendees gained a comprehensive understanding of how real-time analytics can improve business performance and adapt quickly to changing market dynamics.

# ESTABLISHMENT OF E-CELL AT CGC-COE: FOSTERING INNOVATION AND ENTREPRENEURSHIP



**ENTREPRENRSHIP CELL TEAM CGC - COLLEGE OF ENGINEERING**

**Objective:** To nurture entrepreneurial thinking and provide a platform for students to develop and refine startup ideas.

The E-Cell is actively fostering a strong entrepreneurial culture, empowering students to become innovative leaders and successful entrepreneurs.



## Key Highlights:

- In August 2024, the Entrepreneurship Cell (E-Cell) was established at CGC- College of Engineering under the visionary leadership of Prof. Sushil, HOD of the CSE Dept. and Ms. Palak, Faculty Advisor.
- Core team consists of 20 members of CSE dept. students pursuing degree in various courses.

## Activities:

- Organized workshops, mentorship programs, and pitching sessions to build entrepreneurial skills among students.
- Participation in the National Entrepreneurship Challenge (NEC) hosted by E-Cell IIT Bombay

# CGC LANDRAN EXCELS IN STATE AND INTER-COLLEGE SPORTS CHAMPIONSHIPS, SECURING TOP HONORS IN MULTIPLE DISCIPLINES



**Overview:** Students from CGC Landran displayed exceptional athleticism and skill in various sports championships, achieving significant success across state and inter-college competitions.



**Impact:** These achievements highlight CGC's dedication to developing well-rounded students who excel in both academics and sports, fostering a culture of excellence and school pride.

## Achievements:

- **Powerlifting:** Silver medal in the Chandigarh State Powerlifting Championship.
- **Weightlifting:** 1 Bronze and 2 Gold medals in the Chandigarh State Weightlifting Championship.
- **Table Tennis:** Gold medals in both the Inter-College Tournament at CGC and the IKGPTU Inter-College Tournament, along with 2 Silver medals.
- **Swimming:** Bronze medal in the IKGPTU Inter-College Swimming Tournament.
- **Chess:** 3 Gold medals in the IKGPTU Inter-College Chess Tournament.
- **Kabaddi:** Bronze medal in the IKGPTU Inter-College Kabaddi Tournament.

# TEACHER'S DAY AWARDS AT CGC COLLEGE OF ENGINEERING (CSE DEPARTMENT) CELEBRATED ON 5TH SEPTEMBER, TEACHER'S DAY



## CSE COE AWARDEES ON TEACHER DAY

- **Long Service and Dedication:** Mr. Gaurav Goel received an Appreciation Award and was honored for completing 10 years of service.
- **Best Lab Instructor Award:** Ms. Raman Rani, Lab Instructor, was acknowledged for excellence in lab instruction and support to students.

## Highlights:

- **Best Teacher Award:** Recognized for excellence in teaching, awarded to:  
Ms. Gurleen Kaur, Assistant Professor  
Mr. Gaurav Goel, Assistant Professor  
Ms. Neha Sharma, Assistant Professor  
Ms. Rachna, Assistant Professor
- **Best Mentor Award:** Presented to Ms. Gursangeet Kaur, Assistant Professor, for outstanding mentorship and guidance to students.
- **Best Recognition:** Awarded to Dr. Priyanka Kaushal, Professor, acknowledging her significant contributions.
- **Special Recognition:** Ms. Rachna Manchanda received an additional Special Recognition award.
- **Best Appreciation:** Dr. Himani Chugh, Associate Professor, recognized for her impactful contributions.
- **These awards celebrated the dedication and commitment of CGC College of Engineering's faculty in fostering a nurturing and impactful learning environment.**