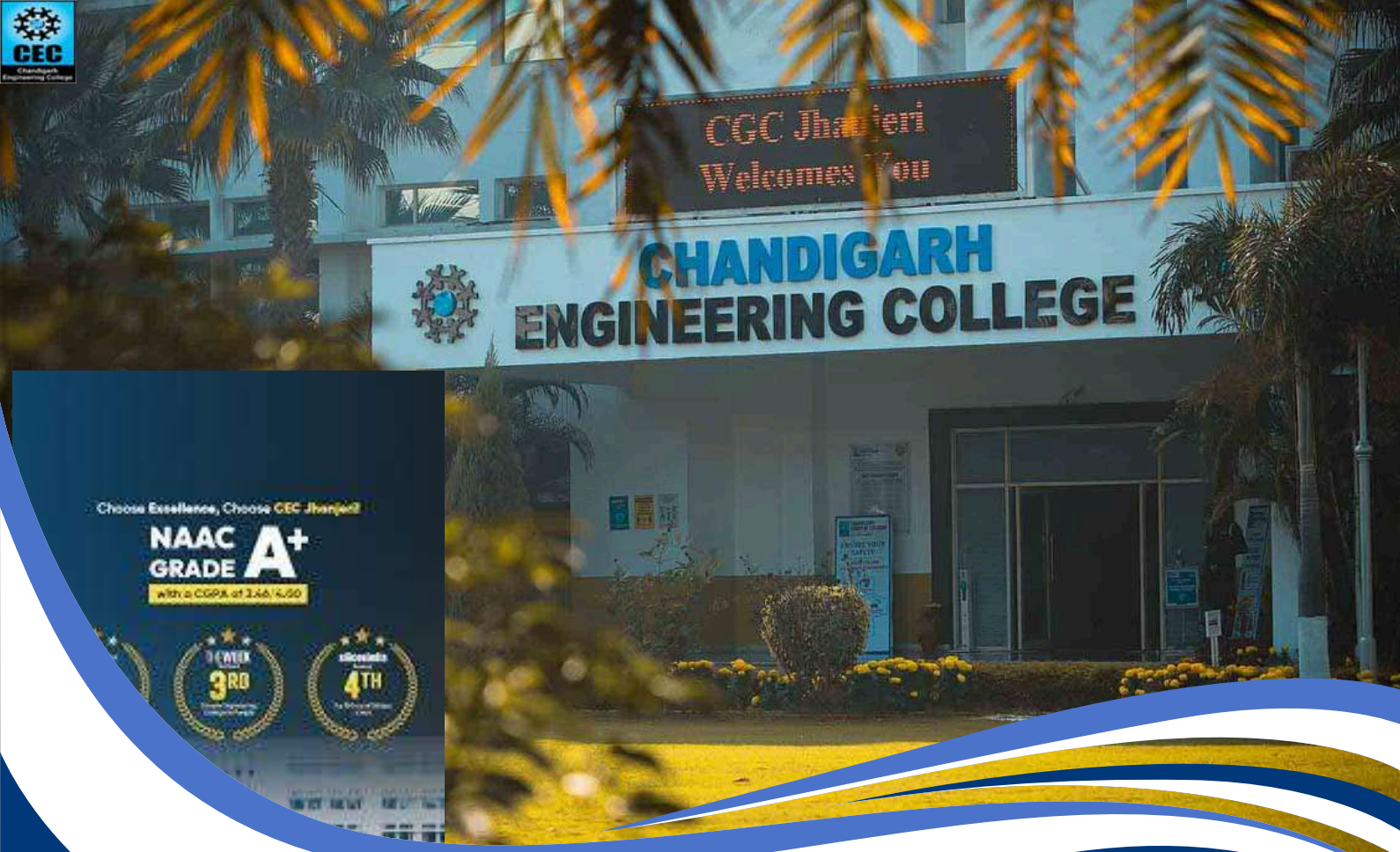


JULY-DEC 2023

Chandigarh Engineering College Jhanjeri

S. Rashpal Singh Dhaliwal
President

I am excited to bring you the latest edition of our newsletter! As we've been shaping our strategic plan, one thing has become crystal clear—strong and meaningful internal communication is absolutely essential.

This newsletter is more than just an update; it's a celebration of our students' outstanding achievements and the vibrant life that pulses through our college every day. We take immense pride in playing a part in building our students' futures while also supporting the families and communities they're part of.

Think of this newsletter as a window into the heart of CEC—where passion, commitment, and success come together.

Mr. Arshdeep Dhaliwal
Managing Director

With the launch of this edition of our newsletter, I'm truly excited to witness how our shared efforts to strengthen internal communication are taking shape.

The stories you'll find here—of teamwork, inclusivity, and meaningful impact on the Indian education landscape—are a testament to the passion and commitment of our community. At the heart of it all are our faculty and students, whose dedication continues to drive our success.

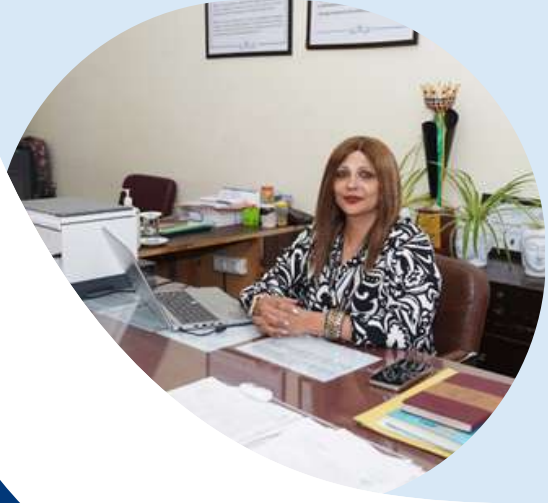
I'm proud to spotlight their achievements in this edition and look forward to a year filled with continued growth, fresh ideas, and excellence in all that we do.

Prof (Dr.) Anish Gupta
Director Engineering

It's a true privilege to be part of an institution like CEC Jhanjeri, where the focus goes far beyond just academics.

We're dedicated to creating an environment that fosters both academic excellence and all-round development. Our mission is to offer an educational journey that not only equips students with deep knowledge in their fields but also shapes them into thoughtful, responsible global citizens.

At CEC, we blend strong academic foundations with real-world, industry-ready skills to ensure our graduates are not just prepared—but ready to lead, innovate, and make a difference. We're proud of how far we've come in becoming a prominent educational hub in the region, and we remain committed to pushing forward, breaking new ground, and building a brighter future for our students and society as a whole.



Dr. Rini Saxena (HOD CSE)

As the Head of the Department of Computer Science and Engineering, it's truly an honor to connect with you all. This department stands as a place where innovation thrives, curiosity is encouraged, and learning never stops.

Together, we'll dive into the ever-evolving world of technology, and I have no doubt that with commitment and passion, we can reach incredible heights. I urge you to take every opportunity that comes your way—ask questions, think differently, and always strive for excellence.

You hold immense potential, and I'm excited to see how each of you will grow and make your mark in the tech world. Let's build the future together.

Wishing you all the very best in your academic and professional journey ahead.

VISION

To provide imperative skills to students for meeting industry needs, and to become responsible engineers, entrepreneurs, and citizens.

MISSION

- To educate the students in the field of computer science with ever-changing technologies and skills.
- To enable the students to solve real-time problems and make use of new technologies.
- To have industry collaboration and interaction with professional societies for continuous development.
- To help students in becoming successful entrepreneurs.

Programme Educational Objectives (PEO's)

PEO1: To develop ethical computer engineers, administrators, and business leaders, graduates in computer engineering must cultivate a range of skills and leaders.
PEO2: To prepare professionals who assess software requirements and deliver solutions through impactful product designs, innovative thinking, analysis, and decision-making.
PEO3: To empower graduates with lifelong skills in data analysis, design, and synthesis, enabling them to continuously develop innovative products and solutions that meet evolving industrial demands.
PEO4: To foster a mindset for cultivating a professional and ethical demeanor, and adeptly engaging with global challenges, thereby effecting positive impacts on the environment and society.

Programme Specefic Outcomes (PSO's)

PSO1: To use principles of Computer Science & Engineering (such as software engineering, computer networks, data structures & computer programming high level languages) for developing software solutions.
PSO2: To clearly understand the concept of programming languages, computer architecture and their applications in different field of technologies to develop cost-effective solutions in the area of computer science by the use of various methodological algorithms and different tools.

Program Outcomes (PO's)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

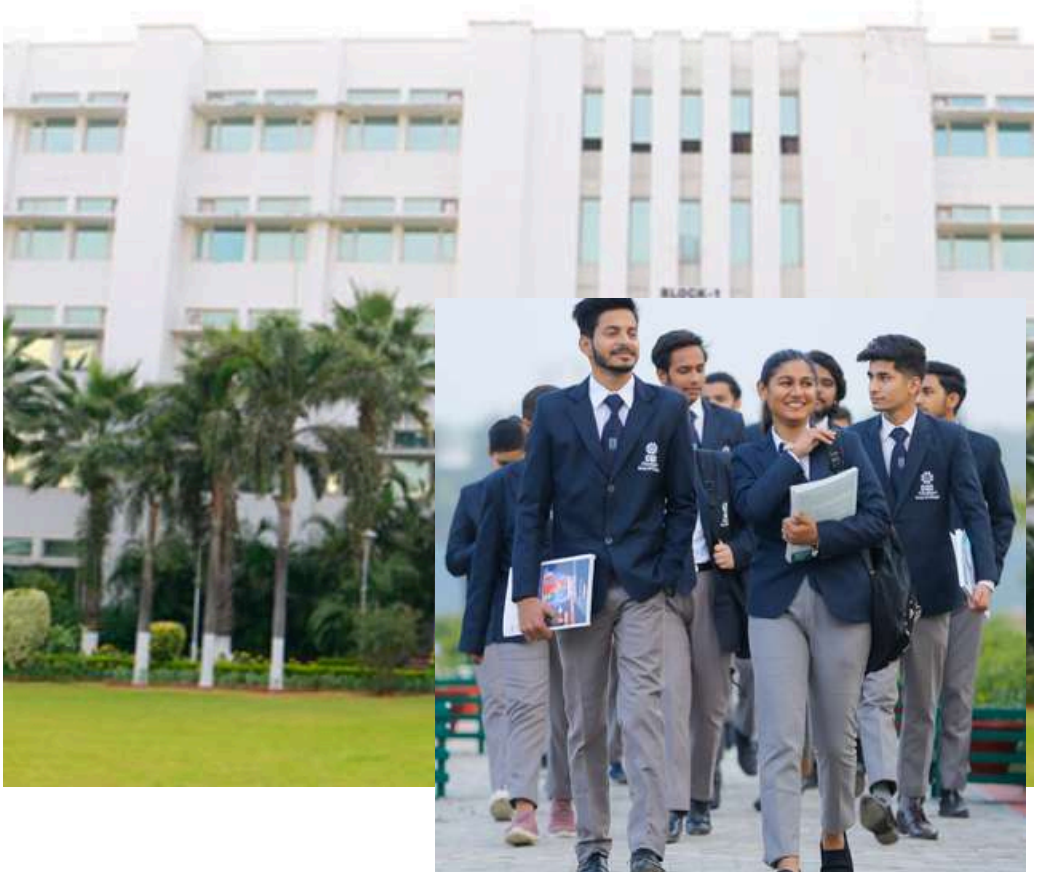
PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-Long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Introduction

Welcome to the latest edition of CEC: NEWS LETTER. As we stand at the cusp of a technological revolution, this newsletter aims to be your compass, guiding you through the intricate labyrinth of advancements, innovations, and groundbreaking discoveries in the realm of Compter Science.



Our Top Recruiters

cubastion

IBM

ALPHAEDGE

accenture

Capgemini

Achievements

Student Achievements

Sr. No.	Event Name	College Name	Date of Event	Student Name	Roll Number	Awards or Achievement
1	InnoSprint D4 Hackathon	CGC Jhanjeri	7-8 Oct	Karanjot ingh Malhotra	2230786	3rd
				Lakshya Tyagi	2230796	3rd
				Neeraj Sharma	2230812	3rd
2	Coding Crushers 2023		3Nov	Prateek	2230828	1st
				Soumya	2230878	2nd
				Rishikesh Raj	2129721	3rd
3	Web Dev Summit 2023		3 Nov	Rajat	2101795	3rd
				Prince	2101773	3rd
				Kapil	2101989	3rd

Achievements

Faculty Achievements

Sr. No.	Name Of Authors	Title of Paper	International Conference	Indexing	Publication year
1	Sumanpreet Kaur	Pragmatic applications of digital image processing in real time	International Conference on Latest Trends in Engineering & Technology	Scopus	2023
2	Meenakshi Garg	Language translator of text documents using machine learning tools			
		A Hybrid CNN–SVM Model for Early Detection and Classification of Sweet Potato Leaf Diseases			
		Deep learning-based road surface classification for intelligent vehicles	Taylor and Francis Group		
3	Dr. Neeraj Sharma	Distributed routing algorithm for concurrent execution of transactions in pcns	2023 ieee 7th International Conference on Fog and Edge Computing (icfec)		

Open Source Technology Webinar

Date: October 10,2023

The Department of Computer Science and Engineering (CSE) organized an "Open Source Technology Webinar" in collaboration with Red Hat Academy. The session featured Mr. Tausif Shaikh, a highly experienced speaker and certified instructor in Red Hat, Microsoft, and EC-Council technologies. The webinar, conducted virtually, attracted approximately 120 students who were keen to explore the realm of open-source technology. Mr. Shaikh delivered an engaging presentation that encompassed a wide range of topics, beginning with the foundational principles of open-source and extending to its practical industry applications. Attendees gained valuable insights into Red Hat technologies, including the latest developments and trends in the field.

Key takeaways from the webinar included:

1. Open Source Fundamentals: Mr. Shaikh explained the core principles of open-source technology, highlighting the importance of collaboration, transparency, and community-driven innovation.
2. Red Hat Technologies: Participants received an in-depth understanding of Red Hat's advanced technologies and their practical applications in real-world contexts.
3. Certification Insights: The speaker provided guidance on the certification paths for Red Hat, Microsoft, and EC-Council, offering students direction for achieving professional excellence.
4. Interactive Q&A Session: The session allowed for active participation, with attendees posing thoughtful questions to Mr. Shaikh, which facilitated a dynamic exchange of ideas.

This informative webinar served as a valuable opportunity for students to deepen their knowledge of open-source technologies and gain insights into the industry.

Web-Dev Summit 2023

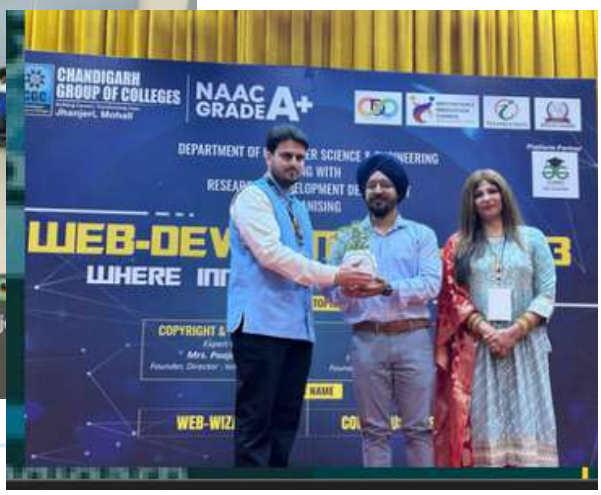
Date: November 03, 2023

The WEB-DEV SUMMIT 2023 was a highly anticipated web development competition that took place at the CEC Jhanjeri, Mohali. The event brought together a diverse group of talented students from various colleges. Its aim was to foster creativity and innovation while providing a platform for participants to showcase their web development skills.

The competition began with a brief opening ceremony, where the organizers from the Computer Science and Engineering (CSE) department welcomed the participants and outlined the competition rules and timelines.

The challenges spanned a wide range of web development topics, including responsive design, user experience optimization, and database integration. Teams were tasked with developing web applications, websites, and interactive features, with a strong emphasis on user-centric design and functionality.

The competition was intense, as each team demonstrated its unique approach to problem-solving and adaptability to rapidly changing requirements. The judges, who comprised industry experts and experienced developers, evaluated the submissions based on criteria such as functionality, user experience, design, and innovation.



Industrial Visit

The Department of Computer Science and Engineering organized an industrial visit to GEEKSFORGEEKS for third-year students in CSE. GFG staff welcomed us and led us on a tour of their state-of-the-art facility. We explored various departments and attended interactive sessions where GFG professionals discussed cutting-edge technologies like Artificial Intelligence, Machine Learning, and Data Science. An expert named Sandeep presented real-life case studies that illustrated how these technologies are used in practice. A question-and-answer session allowed students to clarify any doubts. Students enjoyed breakfast upon arrival and received some goodies, making the experience memorable. The visit was productive, with students actively participating and asking relevant questions. As a result of the visit, students gained insights into real-world applications, job profiles, skill requirements, and career paths, helping them make informed decisions about their futures.

STUDENT
CHAPTER
CGC JHANJERI

Faculty Development Program

Date: December 11,2023

The Department of Computer Science and Engineering, in collaboration with the IIC CEC Jhanjeri, recently conducted a Faculty Development Program (FDP) entitled “Microsoft Power BI Data Analyst Associate”.

The primary objective of the FDP was to enhance the knowledge and skill set of faculty members in the field of data analysis utilizing Power BI. By empowering educators to effectively teach, integrate, and apply Power BI tools within their academic curricula, this program aims to elevate the overall educational experience. Mr. Raghvendra Singh, a Power BI specialist affiliated with ICT Academy, led the training. He possesses extensive expertise in data cloud technologies and automation, among other related domains. This initiative not only strengthens pedagogical practices but also fosters innovation and enhances the institution's ability to offer specialized courses in data analytics.

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