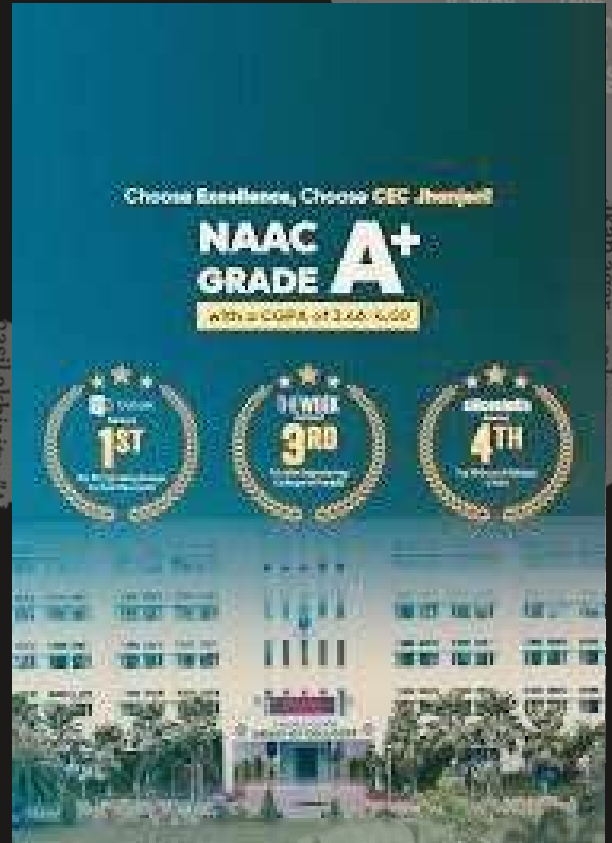


NEWSLETTER

JAN-JUNE 2024



CEC Jhanjeri, established in 2012, under the Chandigarh Educational Society stands as a beacon of academic excellence in India, holding the prestigious NAAC A+ accreditation. Renowned for its stellar research and teaching standards, the college boasts a highly skilled faculty and an innovative learning environment. CGC Jhanjeri and its affiliated institutions are administered and operated under the guidance of the Chandigarh Educational Society and promise to deliver quality higher education at affordable fees.



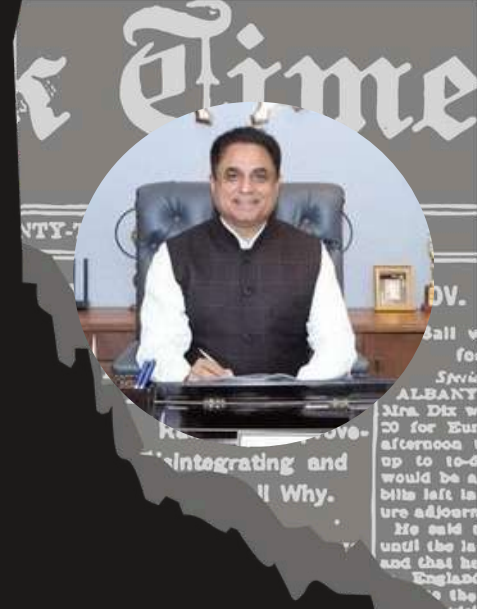
The college's dedication to academic excellence has earned it the esteemed NAAC A+ accreditation with a CGPA of 3.46/4.0, cementing its position as a leading institution in the country. CGC Jhanjeri is committed to academic excellence, affordability, and holistic student development, making it a preferred choice for students nationwide.

S. Rashpal Singh Dhaliwal

Chairman

S. Rashpal Singh Dhaliwal

(resident)



I extend my warmest greetings as we unveil the latest edition of our newsletter. Crafting our strategic plan has underscored the paramount importance of robust internal communication. Through this newsletter, we aim to spotlight the exceptional achievements of our students and the vibrancy of college activities. We are proud to be a driving force in shaping the careers of our students and providing strength to families and communities. Let this newsletter be a window into the collective dedication and success of CEC.

Mr. Arshdeep Dhaliwal

Managing Director



As we unveil our newsletter, I am excited to observe the realization of dedicated efforts aimed at elevating internal communication. The narratives of collaboration, inclusivity, and significant contributions to the Indian education system stand as proof of our collective dedication. Our faculty and students form the core of our success, and I am eager to showcase their accomplishments in this edition. Here's to a year marked by ongoing growth, innovation, and excellence.

Prof (Dr.) Anish Gupta Director Engineering



I am deeply honored to be part of an institution committed to academic excellence and holistic development. Our mission is to provide a transformative educational experience that empowers students to excel in their chosen fields while becoming responsible global citizens. At CEC Jhanjeri, we aim to combine rigorous academics with practical, industry-aligned skills, ensuring that our graduates are well-prepared to lead and innovate. We are proud of our journey toward becoming a leading educational institution in the region and remain committed to pushing boundaries to create a brighter future for our students and society.

Dr. Rini Saxena

HOD CSE



"As the Head of the Department of Computer Science and Engineering, it is both an honor and a privilege to address each one of you. Our journey together in the realm of technology and innovation promises to be transformative, and I am confident that with dedication and passion, we will achieve unparalleled heights. Remember, this department is not just about courses and grades; it's about fostering a mindset of curiosity, resilience, and continuous learning. I urge each of you to embrace every opportunity, challenge assumptions, and strive for excellence in all your endeavors. Your potential is limitless, and I look forward to witnessing your growth, accomplishments, and contributions to the ever-evolving world of Computer Science and Engineering. Let's embark on this journey together, shaping the future and making a difference. Wishing you all success and fulfillment in your academic and professional pursuits."

Department of Computer Science and Engineering

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.

Program Educational Objectives (PEO):

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.

Program Specific Outcomes (PSO):

Students of Computer Science & Engineering will be able to do:

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):

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.

P05: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

P06: 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.

P07: 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.

P08: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

P09: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

P010: 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.

P011: 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.

P012: 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 Computer Science.



TECH-TIMES

Achievements

Sr. No.	Name of Event	Name of College	Date of Event	Name of Event	Roll no	Awards or Student Achievement
1	Quizaholic 5.0	Integral University Luchnow	29 February-2 March 2024	Lavish Kumar	2129677	2nd
2	Quizaholic 5.0	Integral University Luchnow	29 February-2 March 2024	Lokesh Kumar	2129678	2nd
3	Quizaholic 5.0	Integral University Luchnow	29 February-2 March 2024	Mandeep Singh	2129681	2nd
4	Quizaholic 5.0	Integral University Luchnow	29 February-2 March 2024	Maninder Singh	2129684	2nd
5	Envision	Assam Down Town University	4-5 April 2024	Paojan gam Kipgen	2230821	2nd
6	Envision	Assam Down Town University	4-5 April 2024	Dikson Sharma	2230757	2nd

Achievements

7	Envision	Assam Down Town University	4-5 April 2024	Avinash Dubey	2230749	2nd
8	IBM ICE Code Crunch 2024/ Hack athon	JSPM Univers ity	22 February / 15-16 March 2024	Abhish ek Kumar Jha	1915030	3rd
9	IBM ICE Code Crunch 2024/ Hack athon	JSPM Univers ity	22 February / 15-16 March 2024	Divesh Kumar Singh	1915061	3rd
10	IBM ICE Code Crunch 2024/ Hack athon	JSPM Univers ity	22 February / 15-16 March 2024	Honey deep	1915070	3rd
11	IBM ICE Code Crunch 2024/ Hack athon	JSPM Univers ity	22 February / 15-16 March 2024	Kiran deep Singh	1915077	3rd
12	IBM ICE Code Crunch 2024/ Hack athon	JSPM Univers ity	22 February / 15-16 March 2024	Lalit Kumar	1915082	3rd

2024 FACULTY RESEARCH PUBLICATIONS
(INTERNATIONAL JOURNALS)

S. No	Name of the Authors	Title of the Paper	International Journal	Indexing	Publication Year
1	Ankur Srivastava	Sarcasm Unveiled: A Comprehensive Systematic Review of Transformer-Based Detection Models	Journal of Electrical Systems	Scopus	2024
2	Ms. Kawalpreet	Edge computing technologies: A comprehensive review and future perspectives	International Conference on Recent Advancements in Communication, Computing and Artificial Intelligence	Scopus	2024

2024 FACULTY RESEARCH PUBLICATIONS

(INTERNATIONAL JOURNALS)

3	Dr. Ravneet Kaur	The Role of HR Analytics in Strategic Decision Making: Leveraging Data for Talent Management	Journal of Informatics Education and Research	ABDC	2024
		A Comprehensive Framework for Emergency Message Dissemination in Urban VANET Scenarios: A Comparative Analysis of Clustering-Based Routing Protocols	SCI	IEEE Access	2024
		The route based emergency message dissemination scheme using multihop wireless network for VANETs	SCI	Telecomm un Syst	2024



Report On GeeksforGeeks "Three90 Innovative Coding Marathon for Making Students Industry Ready"

Department of Computer Science and Engineering organized a Three90 Innovative Coding Marathon for Making Students Industry Ready on 30-01-2024 in association with GeeksforGeeks Student Chapter CEC Jhanjeri. Students of CEC-J participated in taking an oath to do 90 days of continuous coding. During this event, various activities like Quiz Contests, and Technical Rapid Fire were organized. Goodies and gifts were distributed to the winners.

Following are the outcomes of the event:

To enhance knowledge of coding consistency in coding Think out of the Box Nourishing brain using Quizzes and Technical rapid-fire
Networking with eminent coders through GFG
Networking taking GFG oath to code for 90 days continuously.



Report on "Revolutionizing Industries: The Imperative of Automation in Today's Business Landscape"

The Department of Computer Science and Engineering, in association with IIC CEC Jhanjeri, conducted a workshop "Revolutionizing Industries: The Imperative of Automation in Today's Business Landscape" on Feb 08, 2024. The automation technologies are not merely tools but strategic enablers, propelling businesses to new heights in the modern landscape. From streamlining processes to enhancing productivity, we will explore the myriad ways automation is revolutionizing traditional industries, fostering innovation, and future-proofing organizations.

The workshop started with a formal welcome of expert **Mr. Pranav Kumar** by Dr. Rini Saxena (HOD CSE). The expert talk started with introducing Ms. Tulika Mehta, Senior Engineer, Nagarro Pvt Ltd.



Flutter Mastery Workshop for Industry: Crafting Seamless UIs, Navigation, API Integration, and Real Data Structures

Venue: Seminar Hall and Lab 221 Date: 06/02/24 Time: 10:00 AM-4:00 PM

The Department of Computer Science and Engineering, in association with IIC CEC Jhanjeri, conducted a "Flutter Mastery Workshop for Industry" on February 6, 2024, at Seminar Hall and Lab 221 from 10:00 AM to 4:00 PM. The workshop aimed to provide hands-on experience in building mobile applications using Flutter, focusing on designing adaptive layouts, seamless navigation, API integration, and real data structures for cross-platform development. Dr. Rini Saxena (HOD, CSE) formally welcomed the expert, Ms. Amanpreet Kaur, Senior Mobile Developer, who led the session. The workshop emphasized creating responsive and visually appealing apps while utilizing platform-specific features and plugins for Android and iOS.

Workshop Outcomes

1. Students gain a fundamental understanding of what Flutter is and how it differs from other frameworks.
2. Knowledge of how to install and set up Flutter development environments on different platforms (Windows, macOS, Linux).
3. Basic proficiency in Dart, the programming language used for Flutter development.
4. Hands-on experience in designing and building user interfaces using Flutter widgets and layouts.
5. Guidance on how to prepare and publish a Flutter application to app stores (Google Play Store, Apple App Store)



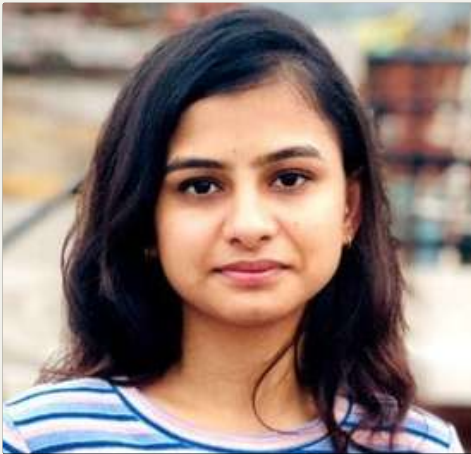
CSE NEWSLETTER

Engineering & President IIC

"It gives me immense pleasure to pen down a few words for this edition of our esteemed Newsletter. As we navigate through the fast-paced world of engineering and innovation, it's crucial to recognize and celebrate the incredible efforts, ideas, and accomplishments that shape our community. The convergence of technology and creativity at our institution has always been a driving force, propelling us forward into uncharted territories of knowledge and discovery. This magazine stands as a testament to the dedication, passion, and vision of our students, faculty, and staff, who continuously strive to redefine boundaries and challenge the status quo."

TECH-TIMES

SUCCESS SUMMITS



SIMRAN

COMPANY – AUTODESK

PACKAGE – 37 LPA



CHARU

COMPANY – SIHR

PACKAGE – 15 LPA



**KASHISH KAUR
JOHAR**

COMPANY – SIHR

PACKAGE – 15 LPA

OUR TOP RECRUITERS



Bank of America



accenture

Infosys

Capgemini

Cognizant



wipro

Asahi India Glass Ltd

TECH-TIMES

CREATIVE DESK

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Ms. Rohini Sharma
(Assistant Professor, CSE)

STUDENT EDITORIAL TEAM

Satyander Kaushik (CSE)



Nishtha Jain (CSE)





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**NAAC
GRADE A+**

Accredited in First Cycle with CGPA of 3.46/4.0