JAN-JUNE 2023

Chandigarh Engineering College Jhanjeri

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.

TECH-TIMES

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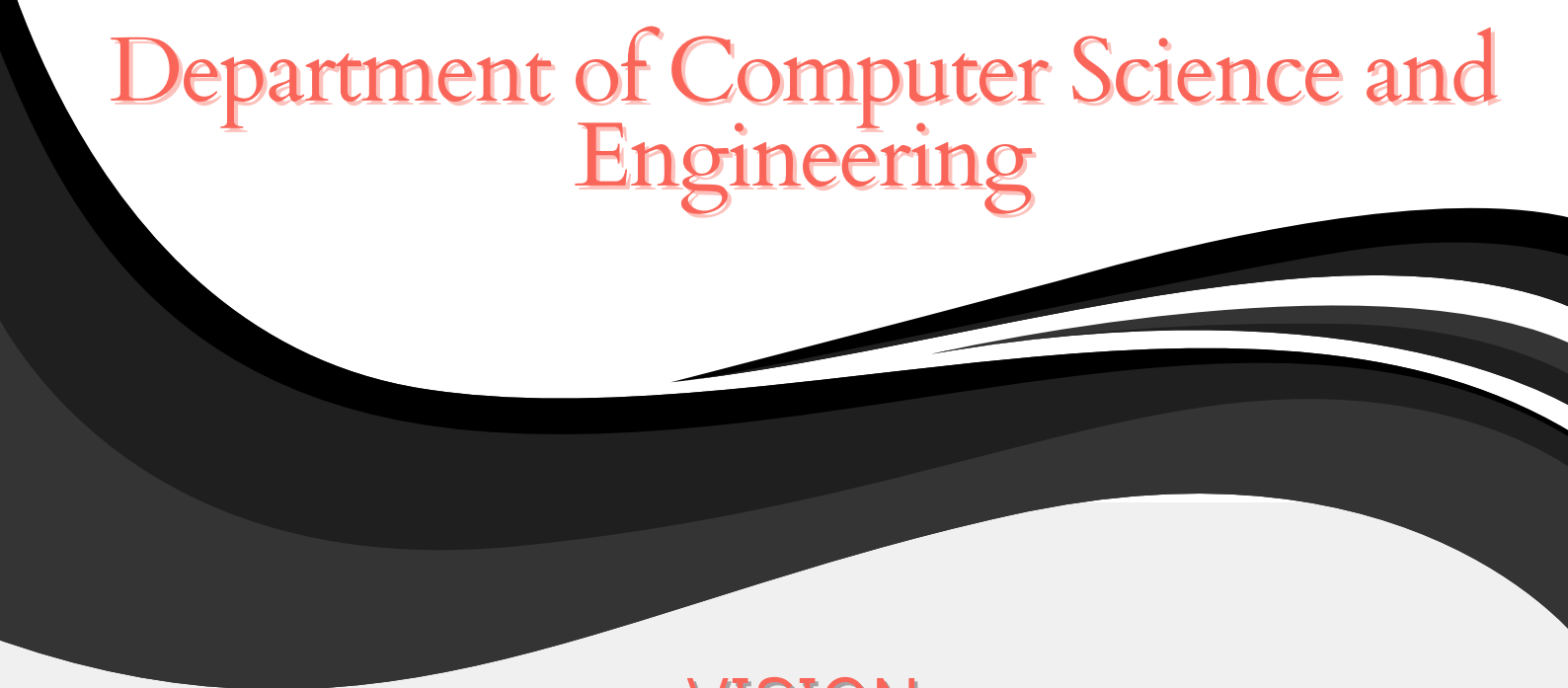
As the Head of the Department of Computer Science and Engineering, it's truly an honor to connect with you all. This department stands as a place where innovation thrives, curiosity is encouraged, and learning never stops.

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.

TECH-TIMES

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.

Programme 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.

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.

TECH-TIMES

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.

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

IBM

amazon
web services

BYJU'S
The Learning App

Bank of America

accenture

Infosys

Capgemini

AUTODESK

Achievements

Student Achievements

Sr. No.	Name of Event	Name of College	Date of Event	Name of student	Roll Number	Awards or Achievement
1	Crack the Code	JSPM University	19 May 23	Prashant Priyadarshi	2129708	2nd
2	Crack the Code	JSPM University	19 May 23	Rijul Modgil	2129718	2nd
3	Crack the Code	JSPM University	19 May 23	Rishav Raj	2129720	2nd
4	Crack the Code	JSPM University	19 May 23	Robin Puri	2129725	2nd
5	Crack the Code	JSPM University	19 May 23	Sahil Dhiman	2129730	2nd

Achievements

Sr. No.	Faculty Name	SCI/SCIE/SCOPUS/WOS/ABDC	Title	Journal Name	Affiliation
1	Dr. Rini Saxena	Scopus	AIoT for Intelligent Farming	African J. of Biological Sciences	Dept. of CSE,CEC Jhanjeri
2	Dr. Rini Saxena	Scopus	AI-based Brain Stimulus using Binaural Beats	Int. Conference on Latest Trends in Engineering and Technology	Dept. of CSE,CEC Jhanjeri
3	Ms. Sumanpreet Kaur	Scopus	Pragmatic applications of digital image processing in real time	Int. Conference on Latest Trends in Engineering and Technology	Dept. of CSE,CEC Jhanjeri
4	Ms. Aarju	Scopus	Role of IoT in building smart healthcare infrastructure	23 ASIANCON, Pune, India	Dept. of CSE,CEC Jhanjeri
5	Ms. Deeksha	Scopus	Algo. to train ANN for security breaches in blockchain	Int. Conference on Latest Trends in Engineering and Technology	Dept. of CSE,CEC Jhanjeri
6	Ms. Kawalpreet Kaur	Scopus	Encoding Time Red. method for the wavelet based fractal image compression	International Journal of Creative Research Thoughts	Dept. of CSE,CEC Jhanjeri

Report: Ideathon 2k23

Dare: 13th Feb, 2023

The Department of Computer Science and Engineering, CEC Jhanjeri, in association with the i-Technocrats Club and the D4 community, organized an Ideathon for CSE students.

This event was hosted in the Seminar Hall, Block 1, and started with the welcome of, all the Participants and students by emphasizing the need for having an opportunity to bring their Ideas to the audience.

The main objective of this event was to motivate the students and provide them a stage to present their ideas based on new technologies like artificial intelligence, machine learning and many more. Moreover, the 2 best entries were selected to compete in the upcoming campus level Ideathon.

The Ideathon Event was very interactive with the participants responding with relevant questions and observations. The participant's feedback was very encouraging and appreciated the flow of the Ideathon. Dr. Sahil Verma appreciated and thanked the Students for coming forward with their ideas and sharing the knowledge information and encouraged the participants to be involved in more such activities.

Outcome of the Event:

At the end of the program, participants were able to pitch their Ideas to the judgment committee who at last declared 2 best Ideas for further campus level competitions.

TECH-TIMES

Workshop on AI & Data Analytics

Date: March 24,2023

The i-Technocrats Club and the Bright Coders Club of the Department of Computer Science and Engineering, in collaboration with the Institutional Innovation Council (IIC), scheduled a workshop on Artificial Intelligence (AI) and Data Analytics which was exclusively designed for students within the Computer Science and Engineering program.

This workshop aimed to:
- Enhance participants' understanding of the vital role that technology plays in contemporary society
- Provide insights into advanced topics within the fields of AI and Data Analytics
- Illustrate practical applications and real-world scenarios pertinent to future careers
- Equip participants with essential skills to effectively engage in project work

Report: Solving for India

The Department of Computer Science and Engineering of Chandigarh Engineering College participated in an event titled "SOLVING FOR INDIA HACKATHON" which was organized by the GeeksofGeeks in collaboration with AMD & Google Cloud through an online cloud platform.
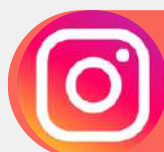
The event lasted for one and half month approximately where students were given some problem by Google Cloud and they shortlist 3 Best Team for Next round which will be held from 14 May 2023 in Galgotia Institute Noida.

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