

# Chandigarh Engineering College Jhanjeri



Jul-Dec 2021

# S. Rashpal Singh Dhaliwal

## President



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 a privilege to address you. Together, we will explore technology and innovation, and I believe that with dedication, we can achieve greatness. This department is about fostering curiosity, resilience, and continuous learning. I encourage you to embrace opportunities, challenge assumptions, and aim for excellence. Your potential is limitless, and I look forward to your growth and contributions to the field. Let's shape the future together. Wishing you success in your academic and professional journeys."

# 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's)

**PEO1:** Become competent computer professionals.

**PEO2:** Have abilities to analyse the requirements of software and provide solutions through efficient product design.

**PEO3:** Have a successful career and meet the requirements of Indian and other Multi-National Companies.

**PEO4:** Have exposure to advanced technologies, technical skills, and opportunities to work as team members on multidisciplinary projects.

## Programme Specific 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 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 systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

**PO4: Conduct investigation of Complex Problems:** Use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of 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 contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

**PO7: Environmental and Sustainability:** Understand societal and environmental contexts and demonstrate knowledge of and need for sustainable development.

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

**PO9: Individual and Teamwork:** 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.

# Poster Presentation

Date: August 11, 2021

The I-Technocrat Club and Bright Coders Club of the CSE Department organized an event titled "E-Poster Designing Competition". The theme of the event was "Network and Cyber Security."

Students were invited to design a poster based on this theme and present it to the judges online via Google Meet. Participants from the CSE Department took part in the event with great enthusiasm.

In this competition, the results were as follows:

Abhishek Kumar Gupta (CSE, 5th semester) secured 1st place

Rohit Singh Goonchhla (CSE, 5th semester) came in 2nd place, and,

Vickey Kumar Sharma (CSE, 5th semester) achieved 3rd place.



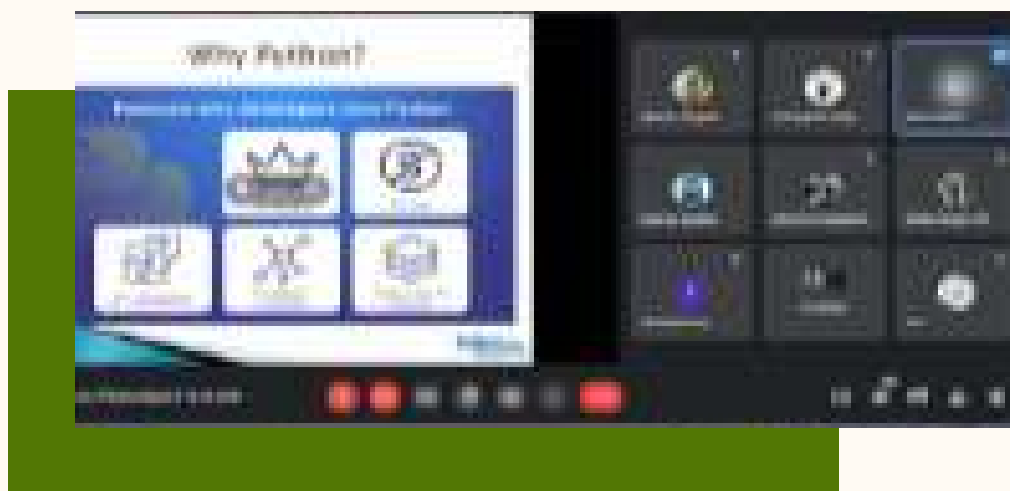
# Workshop

Date: August 13, 2021

The I-Technocrat Club and the Bright Coder Club of the CSE Department organized an E-workshop titled “Python Basics for Beginners”, specifically for third-year students.

The keynote speaker for the session was Ms. Neetu Batra, a Software Developer at Solitaire Infosys. The Python workshop began with an introduction to Python syntax, illustrating how to write simple programs.

Participants learned how to effectively use various Python structures to store and retrieve data.



# Quiz Competition

Date: August 31, 2021

The I-Technocrat and Bright Coders Club of the Computer Science and Engineering Department organized an event titled "Java Quiz". The main purpose of this event was to assess the students' expertise in Java programming.

In this competition, the winners were as follows:  
Aman Singhal (CSE, 3rd year) secured the 1st prize

Sanskar Kedia (ECE, 5th year) achieved 2nd place, and,

Anjali Rani (CSE, 3rd year) came in 3rd place.



# Expert Talk

Date: September 11, 2021

The Technocrat & Bright Coders Club of the Computer Science and Engineering Department organized a webinar on “Cloud Computing Management” for third-year students.

The E-webinar was hosted on the Google Meet platform and began with a welcoming speech by guest speaker Er. Harish Chawla. He explained the current scenario of cloud services and also highlighted the career opportunities for students in cloud computing.



# Industrial Visit

Date: November 20, 2021

Chandigarh Engineering College Jhanjeri organized an industrial visit for students of the Computer Science and Engineering (CSE) branch.

51 students visited a leading software company based in Mohali, "Solitaire Infosys Pvt. Ltd." This burgeoning organization specializes in high-quality IT solutions, including design solutions, web development, online marketing solutions, and mobile app solutions.



# MOU

## 1. **Solitaire Infosys Pvt. Ltd., Mohali, Punjab (November 24, 2021)**

Chandigarh Engineering College Jhanjeri entered into a Memorandum of Understanding (MOU) with Solitaire Infosys Pvt. Ltd., Mohali. The MOU was signed on November 24, 2021, by Dr. Rajneesh Talwar, Director of Engineering, and Mr. Jogwinder Singh, Zonal/Divisional Head. The scope of the MOU includes curriculum design, industrial training and visits, internships, student placements, research and development, skill development programs, as well as guest lectures and other collaborative efforts.

## 2. **Ecomoceana Tech Pvt. Ltd., Mohali, Punjab (November 26, 2021)**

Chandigarh Engineering College, Jhanjeri, has entered into a Memorandum of Understanding (MOU) with Ecomoceana Technologies Pvt. Ltd., located in Mohali. The MOU was signed on November 26, 2021, by Dr. Rajneesh Talwar, Director of Engineering, and Mr. Harish Chawla, Zonal Divisional Head. The scope of the MOU includes the following areas: curriculum design, industrial training and visits, internships and student placements, research and development, skill development programs, and guest lectures.





# Faculty Achievements

Sr. No.	Faculty Name	Achievements
1	Dr. Anil Kumar Lamba	Comparative Analysis of the various features, structures and the tools of Big Data Frameworks
		Automatic Guidance System for Blind Community
2	Dr. Manu Raj Moudgil	Comparative Analysis of the various features, structures and the tools of Big Data Frameworks
		Automatic Guidance System for Blind Community
3	Dr. Rini Saxena	Comprehensive analysis of testing efforts using the AVISAR testing tools for Objective Oriented Software Presented in 5 <sup>th</sup> World S4
		Automatic Guidance System for Blind Community
4	Ms. Bhanu Sharma	Analysis of customer reaction in e-commerce systems with text mining
5	Ms. Amandeep Kaur	Comprehensive analysis of testing efforts using the AVISAR testing tools for Objective Oriented Software Presented in 5 <sup>th</sup> World S4



# Student Achievements

Sr. No.	Event Name	College Name	Event Date	Student Name	Achievement / Award
1	Coding Buck 2021	Rayat Bahra Group of Colleges	12-13 November 2021	Aryan Dhiman (1816533)	3rd
				Balpreet Singh (1816534)	3rd
				Bicky Chaudhary (1816535)	3rd
				Kanishak Budhiraja (1816555)	3rd
				Karan Kumar (1816556)	3rd
2	Techno Robo 2021	Shaheed Udham Singh College of Engineering & Technology	8-9 October 2021	Harshita Bajpai (1816549)	2nd
				Jayant Mehra (1816554)	2nd
				Kritika (1816559)	2nd
				Maheshwar Sharma (1816564)	2nd
				Manoj Singh (1816566)	2nd
				Md Saba Karim (1816568)	2nd

# Editorial Desk

**Dr. Rini Saxena**



**Ms. Parminder Kaur**



**Ankur**



**Rohit**

# Our Social Media



<https://www.facebook.com/ChandigarhGroupOfCollegesJhanjeri>

<https://twitter.com/cgcjhanjeri>



<https://www.instagram.com/cgcjhanjeri>