

DEPARTMENT OF INFORMATION TECHNOLOGY Newsletter

JAN 2024 - June 2024





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HOD's Message

“To create and nurture quality professional in the field of Information Technology by providing technical, research and leadership skills to meet the evolving needs of Industry and Society”, with this vision, the Department of Information Technology, Chandigarh Engineering College-CGC, Landran, Mohali, is committed to providing cutting-edge technology solutions that empower both students and faculty members. As we conclude this edition of our departmental newsletter, I would like to express my gratitude to everyone who contributes to the continued success of our department. It is your dedication, creativity, and passion that drive us forward and enable us to reach new heights. This newsletter highlights some of the key events, and accomplishments we have achieved together. It serves as a reminder of the immense potential we have when we work collaboratively and embrace our shared vision. Our students have excelled in various fields, from academic performances to extracurricular activities. The faculty has continued to deliver innovative teaching and cutting-edge research, making valuable contributions to both our institution and the wider community. As we look toward the future, I encourage all of you to remain engaged and motivated. Our department's strength lies in its people, and together, we can continue to build a vibrant, innovative, and inclusive academic community. Let's continue to strive for excellence and make the most of every opportunity that comes our way. Together, we can achieve remarkable things. Thank you for your unwavering support, and I look forward to what we will accomplish in the months ahead.



The IT department conducted a Web Craft event on 13 February 2024, featuring two rounds: an MCQ challenge to test theoretical knowledge and a hands-on UI implementation round to showcase practical web development skills. The event aimed to enhance participants' web development expertise through a combination of theoretical and practical challenges, fostering skill development, knowledge enrichment, and collaborative networking. Web Craft delved into key technical aspects of web development, testing participants knowledge through MCQs on languages, frameworks, and best practices. The UI implementation round evaluated their ability to code responsive, visually appealing interfaces, emphasizing practical skills essential for modern web development.

Objectives

- 1.Enhance participants' web development expertise through both theoretical and practical challenges.
- 2.Assess theoretical knowledge using an MCQ challenge focused on web development concepts.

Outcomes

- 1.Participants demonstrated improved theoretical understanding of web development concepts.
- 2.Enhanced practical skills were observed in the hands-on UI implementation round.
- 3.Increased familiarity with various languages and frameworks relevant to web development.



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The Department of Information Technology arranged an industrial training session at CSIR-CSIO in Sector 30 D, Chandigarh, on 28 February 2024. The session, led by Mr. Narinder Singh Jassal and Dr. Neerja Garg, focused on Robotics, Mechatronics and air pressure applications. Mr. Jassal discussed various technologies equipments, while Dr. Garg shared her journey and emphasized staying updated with technology trends.

She also showcased industry-level equipment and technologies, including the Portable Solar Powered Vaccine Cooler, Nano-Fiber Fabrication Facility, and Malaria Parasite Detection Instrument. The visit aimed to make students aware of recent technologies, the importance of time management, skills needed for the corporate world and introduced CSIR-CSIO's online platform and website.

Industrial Visit to CSIR-CSIO Chandigarh

28 February 2024

Objectives

- 1.To provide insights into robotics and mechatronics technologies.
- 2.To showcase industry-level equipment related to air pressure applications.
- 3.To emphasize the importance of skills needed for the corporate world.

Outcomes

- 1.Students gained a deeper understanding of current technologies in the field.
- 2.Exposure to industry innovations sparked increased interest in related careers.
- 3.Participants identified essential skills necessary for success in professional environments.



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Eminence 2K24

20 March 2024



The Department of Information Technology at Chandigarh Engineering College, Landran, organized "Eminence2K24" on March 20, 2024, featuring inter-departmental technical and non-technical activities. The event aimed to showcase student talents, promote social engagement, and encourage personal growth. Thirteen events included technical activities like Crack it if you can, Tech Hunt, and Ideathon, alongside non-technical ones like Painting and a BGMI Tournament. A cultural event was also part of the festivities, culminating in a prize distribution ceremony where participants received trophies, cash prizes, and certificates. The event attracted over 900 entries, highlighting the college's vibrant talent and community spirit.

Networking and Knowledge Exchange: Facilitating networking opportunities among attendees, exhibitors, and experts, encouraging the exchange of ideas, experiences, and best practices that contribute to continuous learning and professional development. **Q&A Sessions and Expert Panels:** Hosting Q&A sessions or expert panels where attendees can interact with project creators, ask questions, and gain insights into the technical aspects, challenges, and innovations behind the projects on display.



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GPS Map Camera



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GPS Map Camera

Eminence 2K24

20 March 2024

Objectives:

- To provide a platform for students to showcase their talents through diverse technical and non-technical activities.
- To foster personal growth and community building among students through engagement in social activities.

Outcomes:

- A diverse range of activities allowed students to explore and develop various skills, both technical and non-technical.



The Department of Information Technology managed an expert talk on Career in AI based Digital Marketing on 22nd March, 2024 in Seminar Hall, Block 3. The seminar was conducted by Mr. Mangat Singh Dhiman, COO of Ani Web Designs Group. The seminar aimed to educate attendees about career opportunities in AI-based digital marketing and to empower them with practical knowledge and skills to leverage AI tools like Canva for successful digital marketing campaigns. The event highlighted the importance of AI tools in digital campaigns and equipped attendees with the expertise needed to thrive in the dynamic realm of AI-driven marketing, fostering career advancement and professional growth.

**Expert talk on
Career in
"AI based Digital
Marketing"
22 March, 2024**

Objectives

1. Educate attendees on career opportunities in AI-based digital marketing.
2. Empower participants with practical skills for using AI tools.
3. Highlight the role of AI in enhancing digital marketing campaigns.

Outcomes

1. Attendees gained insights into career paths in AI-driven marketing.
2. Participants developed practical skills using tools like Canva.
3. Increased understanding of AI's impact on marketing strategies.



Field Visit to Ellocent Labs 27 March 2024.

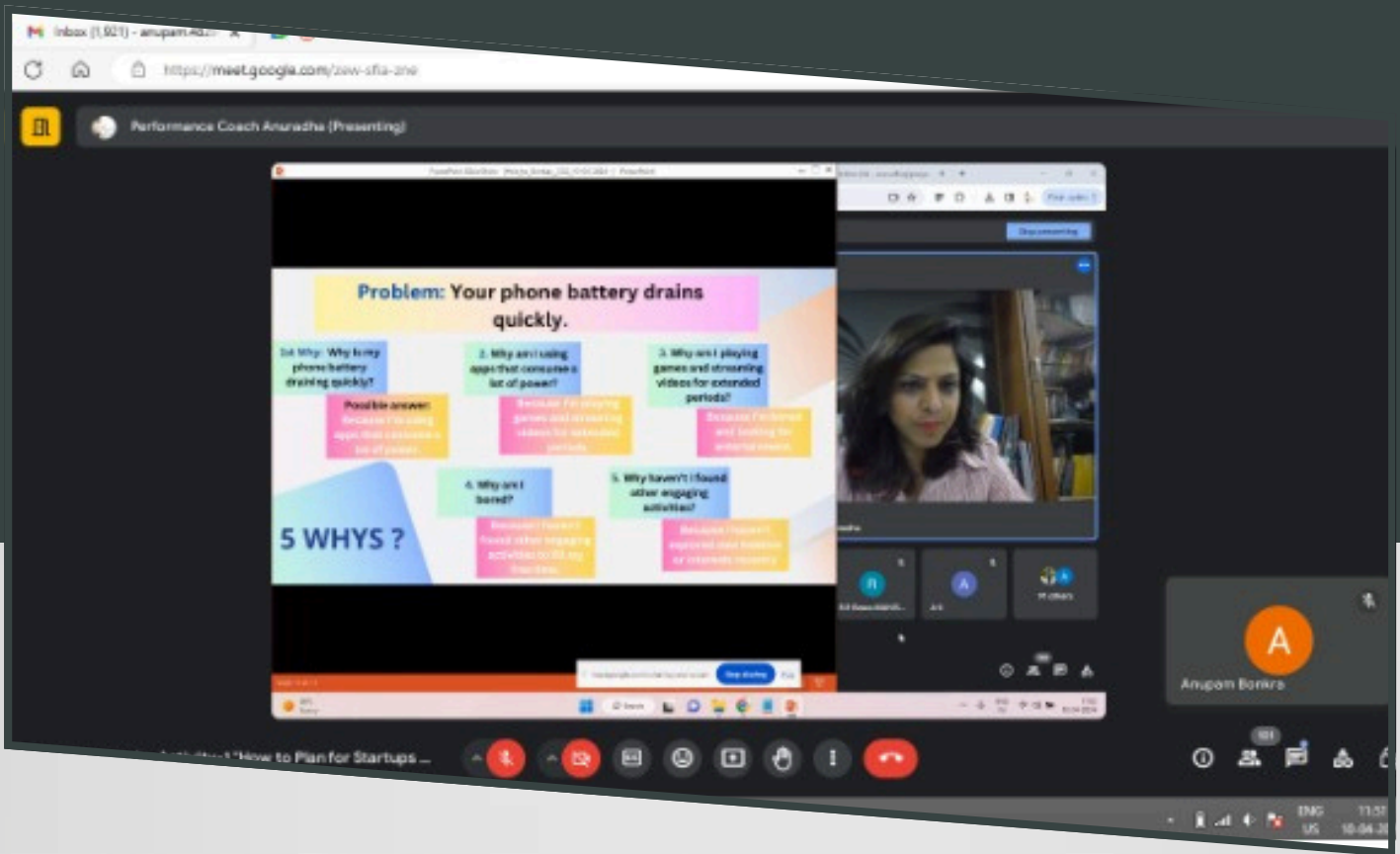
The IT department organized an industrial visit to Ellocent Labs in Mohali Sector 75, known for its advancements in various technologies on 27 March 2024. The visit aimed to familiarize students with industrial and application management, emphasizing practices in modern industries and recent technologies. Students learned about the importance of technical and professional skills, interacted with industry experts, and gained knowledge about implementing ideas with recent technologies. Ms. Sundeep Kaur, Director of Ellocent Labs, conducted an informative session on technologies, languages, frameworks, and services offered by the organization globally. The session also highlighted project management and leadership qualities within teams. Ellocent Labs; sister company, ELIS OPS, specializes in CRM and HRM software, ranking among the top AI and B2B companies in 2023 and winning the Indian Achievers Award.

Objectives

1. Familiarize students with industrial and application management practices.
2. Highlight the importance of technical and professional skills in modern industries.

Outcomes

1. Students interacted with industry experts and gained valuable knowledge.
2. Increased understanding of project management and leadership qualities in teams.



Session on “How to plan for Startup and legal & Ethical steps”

10 April 2024,

On 10th April 2024, Chandigarh Engineering Colleges Institution Innovation Council (IIC) held a session titled How to Plan for Startup and Legal & Ethical Steps, aimed at students and faculty from various mentee institutions including RR Bawa DAV College for Girls, CGC College of Engineering, Chandigarh College of Pharmacy, Govt. College Ropar and A.S. Group of Institutions. The event provided comprehensive insights into startup planning, legal considerations and ethical frameworks delivered by expert speakers who shared actionable strategies for launching startups and navigating related challenges. Utilizing virtual platforms, multimedia presentations, live Q&A sessions and breakout rooms, the session facilitated interactive discussions and networking opportunities, inspiring entrepreneurial motivation and promoting responsible business conduct.

Objectives

1. Provide insights into startup planning for students and faculty.
2. Educate participants on legal considerations for launching startups.
3. Discuss ethical frameworks and responsible business conduct.

Outcomes

1. Participants gained actionable strategies for startup development.
2. Interactive discussions fostered networking among mentee institutions.



Chandigarh Engineering College organized a session for Atal Technical School students on 19 th April 2024, aimed at immersing them in innovation and entrepreneurship. The event, held in Wilson, Block 3, included students from Infant Jesus Convent School, Learning Public School and Shivalik Public School. It featured expert insights, practical exposure to advanced labs and discussions on intellectual property rights. Participants gained hands-on experience with emerging technologies, enhancing their understanding of innovation and entrepreneurship. The session aimed to foster creativity, critical thinking and entrepreneurial spirit, preparing students for careers in STEM fields and contributing to India's evolving business landscape.

Mentoring Session With ATL Schools

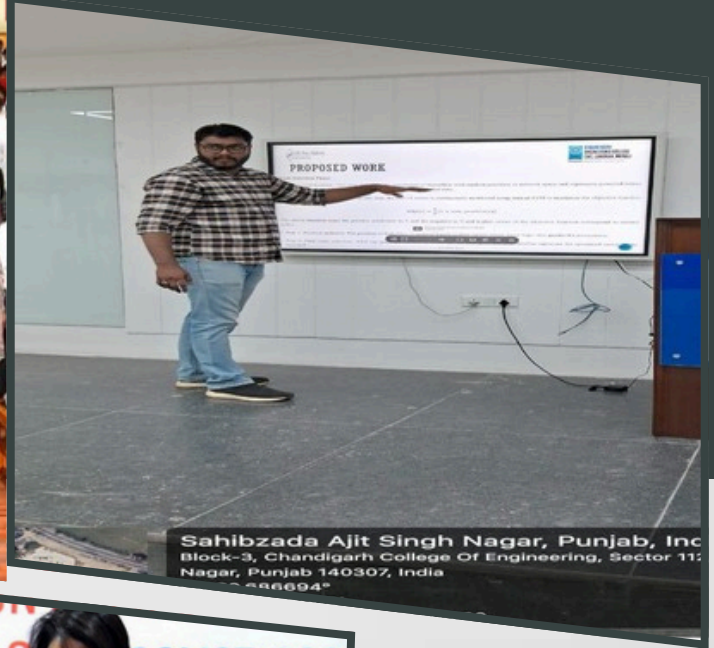
19 April 2024,

Objectives

- 1.Immerse Atal Technical School students in innovation and entrepreneurship.
- 2.Provide practical exposure to advanced labs and emerging technologies.
- 3.Discuss intellectual property rights relevant to entrepreneurship.

Outcomes

- 1.Participants gained hands-on experience with new technologies.
- 2.Enhanced understanding of creativity and critical thinking in STEM fields.



**The 4th International Conference on Computational Methods in Science & Technology
2nd & 3rd May, 2024**

The 4th International Conference on Computational Methods in Science & Technology (ICCMST-2024) was inaugurated on 2nd May, 2024 by CEC-CGC Landran. The event featured Prof. (Dr.) Susheel Mittal and Prof. (Dr.) Divya Bansal, promoted interdisciplinary research in Science & Technology. A souvenir highlighting research was released. On 3rd May, 2024, Dr. Aparna Akula, Principal Scientist at CSIR-CSIO, encouraged students to pursue multi-disciplinary projects.

Objectives of ICCMST-2024

1. Promote Collaboration: Foster interdisciplinary partnerships in science and technology.
2. Showcase Research: Provide a platform for presenting findings.
3. Inspire Students: Motivate engagement in multidisciplinary projects.

Outcomes of ICCMST-2024

1. Increased Collaboration: More interest in joint research.
2. Knowledge Sharing: Insights on current computational trends.
3. Student Involvement: Enhanced participation in innovative research.

Department of Information Technology

