



**CHANDIGARH
GROUP OF COLLEGES**

Building Careers. **Transforming Lives.**

The Communiqué

News Magazine | Volume-21

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An Institution of Excellence

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Vision of the Chandigarh Engineering College

To become a leading institute of the country for providing quality technical education in a research based environment for developing competent professionals and successful entrepreneurs.

Mission of the Chandigarh Engineering College

- 1.** To provide state of the art infrastructure and engage proficient faculty for enhancing the teaching learning process to deliver quality education.
- 2.** To give a conducive environment for utilizing the research abilities to attain new learning for solving industrial problems and societal issues.
- 3.** To collaborate with prominent industries for establishing advanced labs and using their expertise to give contemporary industry exposure to the students and faculty.
- 4.** To cater opportunities for global exposure through association with foreign universities.
- 5.** To extend choice based career options for students in campus placements, entrepreneurship and higher studies through career development program.





Dr. Rajdeep Singh
Director Principal

I'm excited to announce that Chandigarh Engineering College's quarterly magazine "Communiqué" is releasing a new issue. CEC has been growing steadily since its start and continues to do so. People reading this magazine will realize the in depth happening in the CEC campus. The magazine is presenting a glimpse of the growth of institution on many occasions.

The institution has been unrelenting in its encouragement, as it has always actively engaged in various exercises that have revealed the hidden skills of the students and staff. Our staff members are highly committed and have always accomplished their responsibilities with a sense of accountability.

Faculty achievements, Workshops, guest lectures, and seminars attended by faculty and students, competitions won by highly talented students, and innovative projects produced by students with faculty help are all highlighted in this magazine. All the activities and the events bear testament to the administration's massive efforts to transform the college into a beacon of educational and research excellence. I express my warmest wishes and greetings to the staff and students of CEC, and I wish them luck in their future endeavours.



Dr. Harpal Singh
Professor and Head, Applied Sciences Department

It's always a pleasure to be a part of a group that works hard to bring out the best in students and employees. Chandigarh Engineering College has always strived to stay one step ahead of the competition, and the results speak for themselves. It's awe-inspiring to observe and witness our students' potential blossom at different stages and in different situations every day. During the rigorous semester system and the epidemic, our students were put to the test, and they gave it their all.

The college magazine exemplifies the voyage transverse and exhibits the literary skills of our students. Congratulations to the editorial team for their determined efforts in bringing out this magazine.



Editor's Quill

It gives me great pleasure to introduce the current issue of *Communiqué*, our quarterly magazine. The college magazine is an excellent venue for documenting events, reminiscing, and writing creatively. I am confident that this publication will be both enlightening and informative.

The college magazine reflects the college's myriad activities. Each issue of our college magazine represents a watershed moment in our development, revealing our imaginations and bringing our ideas to life. *Communiqué* is a wonderful blend of creative thinking, art, knowledge, and wisdom that resonates in the hearts and minds of all stakeholders. I'm thankful to all members of the editorial team, HODs, all my colleagues, students and the college management for their support in raising this news magazine for our readers.

Inderjot Kaur

Editor

RANKING & AWARDS

1. Chandigarh Engineering College awarded with “Outstanding Engineering Institute with Best Placements” title during **World Education Summit 2021**

2. **DL Ranking 2021 (Top private Engineering Institute of India 2021)**

- Ranked 10th Pan India
- Ranked 2nd in Punjab

2. **NIRF Ranking 2021**

Engineering All India Rank: 147

In Punjab

- Position including all institutes and universities (Government +Private) : 8th Rank
- Position with only institutes (Government +Private) : 1st Rank
- Position with only private universities & institutes : 5th Rank
- Position with only private institutes : 1st Rank

North India: (Punjab, Chandigarh, Delhi, Haryana, Himachal, Jammu and Kashmir, Rajasthan, Uttar Pradesh, Uttarakhand)

- Position including all institutes and universities (Government +Private): 42nd Rank
- Position with only institutes (Government + Private) : 1st Rank
- Position with only private universities & institutes : 17th Rank
- Position with only private institutes : 1st Rank

3. **Outlook I-Care Rankings 2021-India’s Best Colleges**

- 62nd among top 110 private institutes in India
- 5th private institute among Punjab including (University’s Institutes)
- 1st among private colleges in Punjab (excluding university's Institutes)
- 19th among private colleges in North India (including University Institutes)
- 5th among private colleges in North India (excluding University’s Institute)

4. **Dataquest Tech School survey, 2021**

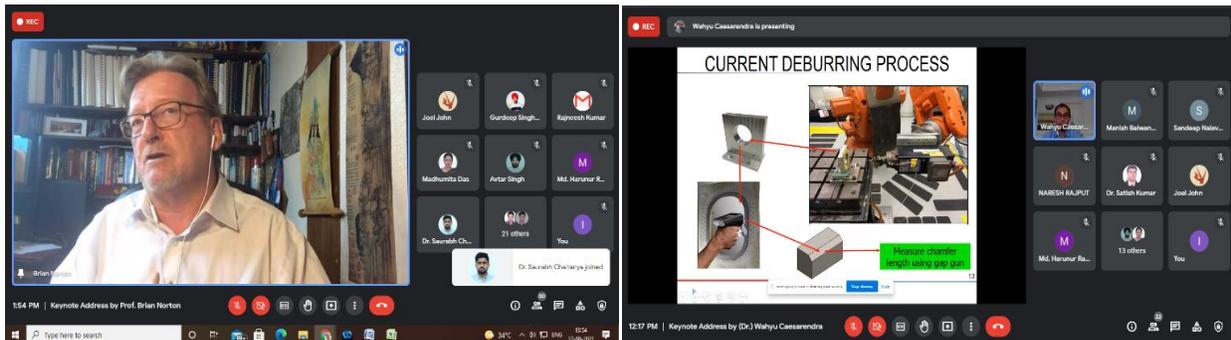
- 3rd in Punjab in Top 100 T-Schools (Overall) – Government and Private
- 2nd in Punjab in Top T-Schools (Private)
- 29th rank in Top T-Schools (Private)
- 40th rank in Top 100 T-Schools (Overall) – Government and Private

5. **India Today Ranking 2021**

- 3rd Rank in Private Colleges in Punjab
- 6th Rank in Private Colleges and Universities in Punjab
- 80th Rank across country (Overall India)

3rd International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2021)

The Department of Mechanical Engineering, Chandigarh Engineering College, organized the “3rd International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2021)” during August 27-28, 2021. This conference witnessed an overwhelming response from the students, researchers, academicians and industry professionals as more than 210 research articles were submitted to this conference out of which 114 have been selected for publication in Elsevier’s Materials Today: Proceedings (Scopus Indexed International Journal) after rigorous peer review process. The participants presented their research findings through 8 technical sessions and had a constructive discussion with the peer group. Best Paper Presentation Awards were also presented to 08 Participants. The participants’ during the feedback session applauded the sincere efforts of the organizing team of ICCAME-2021.



ECE Department organized ICCS-2021

Two days International Conference on Innovations in Communication, Computing and Sciences (ICCS-2021) was organized by Department of ECE with the enlightening inaugural ceremony on 27th August, 2021 in online mode. The inaugural session started with the virtual lamp lightening by Prof.(Dr.) M.P Poonia, (Chief Guest, Vice Chairman, AICTE), Mr. Surinder Singh (Guest of Honour, Distinguished Scientist and Director, Semi- Conductor Laboratory, Department of Space, GoI), Prof.(Dr.) Inderdeep Singh (Guest of Honour, Head of Department of Design and Coordinator, Design Innovation Center, (IIT Roorkee), Prof. S. S. Walia (Guest of Honour, Director IRC UHVE & Finance Officer, IKGPTU, Kapurthala), Prof. (Dr.) Byung-Gyn Kim (Keynote Speaker, Sookmyung Women’s University, Seoul,

South Korea), Prof. (Dr.) Wahyu Caesarendra , (Keynote Speaker, Faculty of Integrated Technologies, University Brunei Darussalam), Prof.(Dr.) Arun Ashok (Keynote Speaker, Juelich Research Centre, Germany), Prof. (Dr.) P. N. Hrisheeksha (Campus Director, CGC Landran), Prof. (Dr.) Rajdeep Singh (Director Principal, CEC), Prof. (Dr.) Vinay Bhatia (HoD, ECE) and Prof. (Dr.) Rajesh Sharma (HOD, ME). This conference witnessed significant participation from academicians, researchers as well as experts from industry.

Chief Guest, Prof. (Dr.) M. P. Poonia emphasized on student empowerment and industry- oriented curriculum to enhance the technical skills of the students. Guest of Honour, Mr. Surinder Singh discussed about recent trends in communication using quantum computing and neuron computing. Guest of Honor, Prof. (Dr.) Inderdeep Singh focused on translation of fundamental research into actual model. Guest of Honor, Prof. (Dr.) S. S. Walia emphasized on multidisciplinary approach for research-based outcomes. The keynote speaker, Prof. (Dr.) Byung-Gyn Kim talked about challenges and opportunities in AI based Emotional Intelligence. Prof. (Dr.) Wahyu Caesarendra, Keynote Speaker, talked about contact-based learning and its significance. The Keynote speaker, Prof. Arun Ashok talked about parameters of communication system like noise figure, linearity, sensitivity etc. and their impact on advanced communication research. Prof. (Dr.) P.N. Hrisheeksha congratulated the department for organizing innovative and research-oriented conference and guided to conduct integrated research in future. The second day of ICCS 2021 started with the keynote address by Prof. (Dr.) Manish Kumar Hooda on Indian Space Transportation Systems in present and future scenarios. The second keynote speaker of the day, Dr. S. K. Vishvakarma discussed about research in Edge Artificial Intelligence computing.

A total of 60 Papers were presented by authors from reputed Institutes and Universities like Amity University Noida, YMCA Faridabad, NIT Kurukshetra, GB Pant University, New Delhi, IP University Delhi, DCRUST Murthal, Thapar University, MM University, Chitkara, Jaganath University Delhi, NITTR, MAIT Delhi, and many more. The Track-1 on “Applied Mathematical and Computational Algorithms for Smart Systems” and Track-3 on “Physics of Communication & Signal Processing” chaired by Prof. (Dr.) Vikram Bali, JSSATE, Noida and Prof. (Dr.) S.S.Sengar, Federal TVET Institute, Addis Ababa, Ethiopia were conducted on Day 1. The two technical sessions on “Advanced and Applied Sciences” and “Engineering for Robotics & IoT” were chaired by Dr. Dushyant Gupta, Kurukshetra University, Haryana and Dr. Paras Chawla, Associate Dean (Engineering), Chandigarh University, Punjab, respectively were conducted on Day 2.

The Department also organized Poster Presentation Competition in which students of different semester participated and highlighted their innovative ideas on Block Chain, Artificial intelligence, Augmented Reality, etc. through poster designs. The Chief Guest for the valedictory session, Dr. Sudeb Das Gupta, Head ECE, IIT Roorkee, congratulated for organizing two conferences and praised about the quality of the selected papers. The Guest of Honor, Prof. Hafiz Muhammad Ali, King Fahd University of Petroleum and Minerals, Saudi Arabia, also congratulated the organizers of the conference and encouraged for more such events to provide opportunity to the researchers and academicians to present their innovative ideas. The winners of the Best Paper under each track and Poster Presentation event were also announced. Prof. (Dr.) Vinay Bhatia, HoD ECE, expressed vote of thanks to all delegates, management and organizing committee.



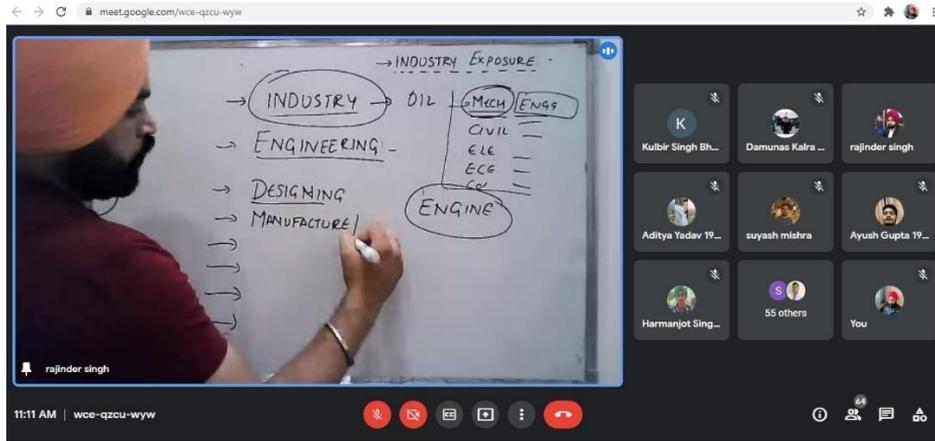
Dr. Saurabh Chaitanya delivered an Invited Talk on “Primary Manufacturing of Green Composites” at NIT Meghalaya

The Department of Mechanical Engineering, National Institute of Technology Meghalaya, organized AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Sustainable Green Composites: Design, Manufacturing and Characterization" from 09/08/2021 to 13/08/2021 at NIT Meghalaya. Dr. Saurabh Chaitanya, Faculty of Mechanical Engineering Department, Chandigarh Engineering College, contributed as a Resource Person during this FDP and delivered a talk on “Primary Manufacturing of Green Composites”.



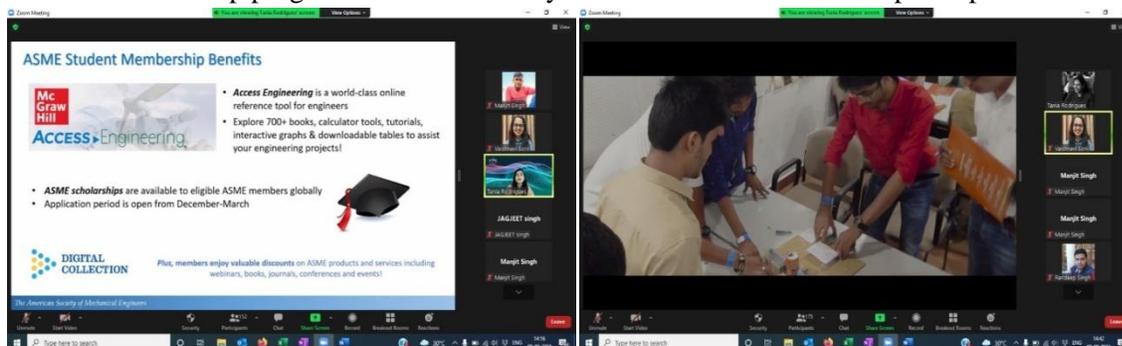
Mechanical Engineering Department organized an Industry Interaction Session

The Department of Mechanical Engineering organized an Industry Interaction session for students of Mechanical Engineering on August 10, 2021. Er. Rajinder Singh from Rados Engineering apprised the students about the current Industrial Scenario in India and the opportunities in the field of Mechanical Engineering.



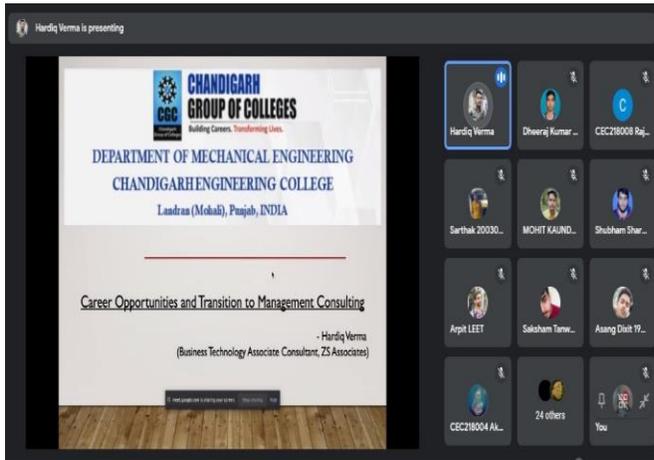
ASME Student Chapter organized ASME Awareness Session

The student chapter of American Society of Mechanical Engineering (ASME) India Pvt. Ltd., Chandigarh Engineering College, organized an ASME Awareness Session on September 9, 2021. More than 150 participants attended this event and they were apprised about the ASME student section activities and membership benefits. The information regarding the upcoming National & International events along with different scholarship programmes conducted by ASME was shared with the participants.



Mechanical Engineering Department organized Alumni Interaction Session

Peer motivation is one of the most effective ways to encourage students. The accomplishments of the peers help students to set their goals and work diligently to achieve them. The Department of Mechanical Engineering organized an Alumni Talk on September 18, 2021, wherein our Alumnus Mr. Hardiq Verma, student of 2015-2019 batch, interacted with the students on various aspects of his academic and professional life. Mr. Hardik, who is currently working as Business Technology Associate Consultant with ZS Associates shared tips to excel at placement drives and motivated the students to work hard for achieving their dreams.



Mechnorobs Club organized Thrust 2k21

Thrust2k21, an enthralling celebration of Engineers Day was organized by Mechnorobs Club of Mechanical Engineering Department of CEC, Landran on 15th September 2021. It gave a splendid platform to the B. Tech. and Diploma students of Mechanical Engineering to exhibit their talent and explore their potential by participating in varied technical events. Diploma students of Indo Swiss Training Center, Chandigarh, Thapar Polytechnic College, Patiala, Shaheed Udham Singh Polytechnic College, Tangori and Govt. Polytechnic, Sundernagar, etc. participated in this event. The main objective was to provide students with a platform to showcase their talent and not let this pandemic fade away the true spirit of engineers who turn Dreams into Reality. The students enthusiastically participated in the event. All the participants were awarded e-certificates as a motivating factor to add credits to their skills and knowledge.



ECE Department organized FTCP on AI and ML Toolkit in Research

Department of Electronics and Communication in collaboration with EESPL, IETE & IIC council of Chandigarh Engineering College organized two days FTCP on AI and ML Toolkit in Research Application. Dr. S. C. Jain, Chairman IETE inaugurated the FTCP and addressed the gathering via zoom platform. Mr. Gurmeet Sharma, COO, EESPL, Mohali discussed the topics like Intelligence Evolution Human Intelligence to Artificial Intelligence, AI and its Impact in Different Engineering Areas, Machine Learning (Realtime AI Implementation Platforms), Importance of Data, Data Science in Artificial Intelligence, Learning Curve to AI. The second day of FTCP was conducted by Mr. Deepak Kumar, Project Head R&D, EESPL, Mohali. He demonstrated many tools, technologies and skill set requirements for AI, Programming language tools and various libraries, NumPy, Pandas, Statistics Tools, Different Visualization Libraries, Data Science Algos and Regression Techniques, Deep Learning Libraries Keras and Py-Torch.



Expert talk on Embedded system Design Using IoT

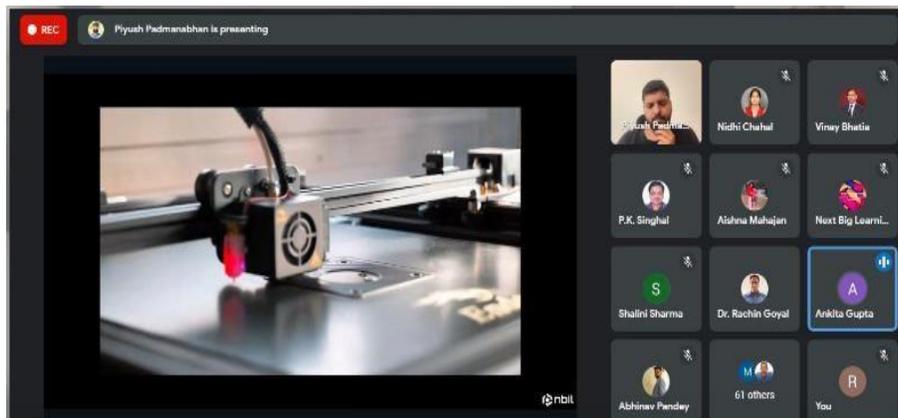
An Expert talk was organized for B.Tech. Students of 3rd semester ECE virtually via Google meet mode on the occasion of Engineers Day. The Guest Lecture was given by Er. Arvind Dixit of Advance Technology, Chandigarh on the topic Embedded system Design Using IoT. The speaker explained embedded system design technology implementation using IoT, and it's worth taking it, as a career. Latest development in embedded system & design technology using software development board like Arduino, Raspberry Pie were discussed along with the microcontroller 8051 and PIC Controller .

The use of Wireless projects in combination to Microprocessor & interfacing was discussed with the students. The expert focused on the live session with the interfacing techniques which can be possible with the different processors /controllers. He also discussed with the students about the development of real time application based good projects using embedded design & technology.



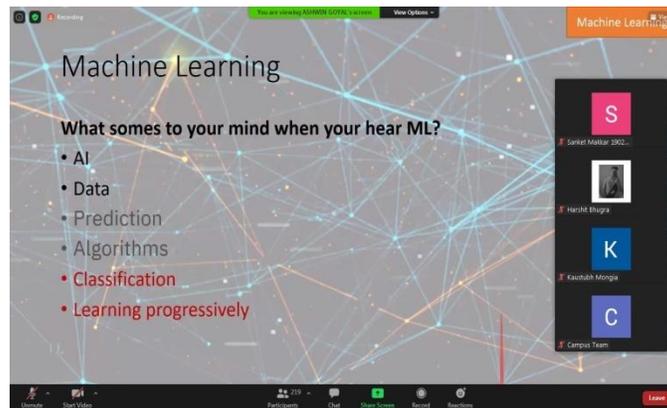
Webinar on “Bioprinting Technology-Current and Future Scenario”

To explore emerging integrated technologies and its applications in multidisciplinary environment, Electronics and Communication Engineering Department organized Webinar on “Bioprinting Technology-Current and Future Scenarios” in association with Next Big Innovations Labs. The resource persons for the webinar were- Mr. Piyush Padmanabhan, Co-CEO and Co-Founder of NBIL and Ms. Ankita Gupta, Bioprinting Engineer, NBIL. The participants gathered knowledge about 3D Bioprinting Technology, 3D bioprinting strategies for medical image, 3D bioprinters, its scope in R & D, Integration with Artificial Intelligence and Machine Learning and Indian Academia in Bioprinting Research. A total of 96 participants from 11 states of India- Punjab, Himachal Pradesh, Karnataka, Tamil Nadu, West Bengal, Telangana, Jammu & Kashmir, Andhra Pradesh, Haryana, Madhya Pradesh, Uttar Pradesh registered and attended the webinar. One International Participant from Lilongwe, Malawi, Africa also registered and attended the webinar.



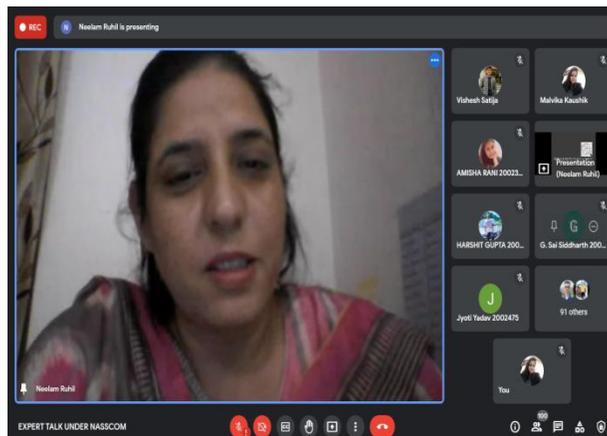
Webinar on Machine Learning

Mr. Ashwin an Alumni of IIT Ropar and Ex-ML Engineer delivered a webinar on Machine Learning. He discussed the concepts of Machine Learning with students.



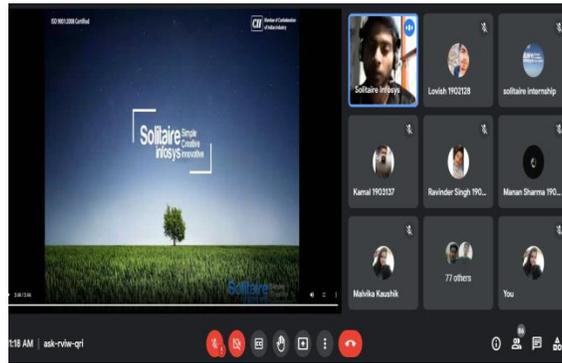
CSE Department organized Expert talk under NASSCOM

Department of CSE, CEC organized an expert talk Under NASSCOM on the topic, “Needs of Innovation & Patent in today’s Scenario/ Engineering” on 13-02-2021. Dr. Neelam Ruhil was the speaker of the session. There were more than 100 students who participated in this session. Students got knowledge about patent, how to file a patent, generation of idea, carrier opportunities and government acceptance for patent.



Guest Lecture on Full Stack Development by Solitaire Infosys

Department of CSE, CEC organized Guest Lecture on Full Stack Development on 06-10-2021. Mr Shivam, Solitaire Infosys was the speaker of the session. The event was held on 06-10-2021 from 11:00-12:00PM on an online platform named “Google meet “There were more than 100 students who have participated in sessions from 5th sem.



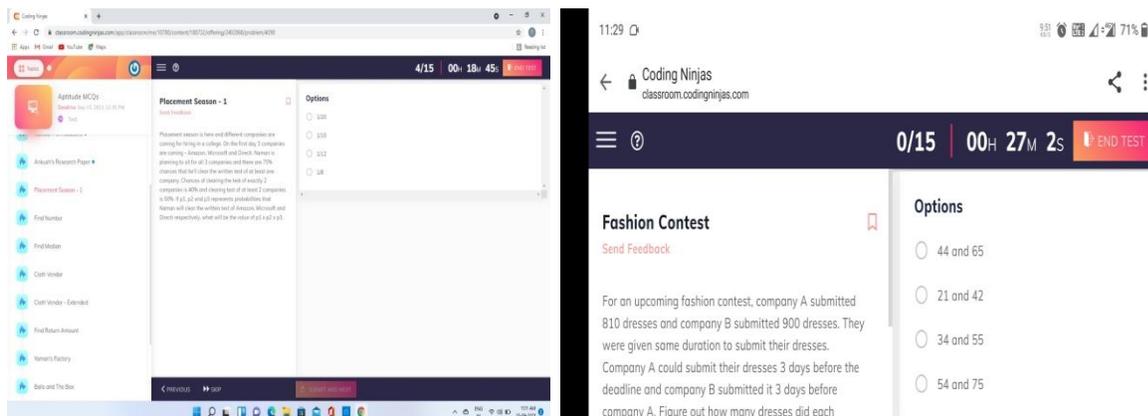
CSE Department organized Expert Talk under AWS

To apprise the students about how Machine Learning and Artificial Intelligence, the Department of CSE organized an Expert Talk which was delivered by Ms. Sakshi Malhotra, Technical Program Manager, AWS E2W, Amazon Internet Services Pvt. Ltd. She undertook the session and shared crucial aspects about the topic to ensure that students can prepare themselves for a rewarding career with their dream companies.



CSE Department organized Coding Event

The event was held on 15-09-2021 on an online coding platform “Coding Ninja”. There were more than 200 students who participated in it. It was a Coding Event based on programming questions and few multiple choice questions.



MBA Department organized Webinar on “Entrepreneurial Challenges”

A thoroughly informative webinar on “Entrepreneurial Challenges” was conducted by the MBA department under the aegis of IIC – Ministry of Education on 24th August 2021. Mr. Sudhir Dua, MD, Debros Enterprises was the resource person for this webinar. The aim of the session was to provide the knowledge about the challenges faced as an entrepreneur. The speaker shared information on how students can evolve as successful entrepreneurs and highlighted how they can convert their idea into successful business plans.

The session provided a pathway to students in recognizing the functioning of businesses, identifying potential business opportunities, evolution of business enterprises and exploring entrepreneurial opportunities. Moreover, students gained in-depth knowledge of innovation in business by creating an ecosystem that is conducive for growth of Start-ups.



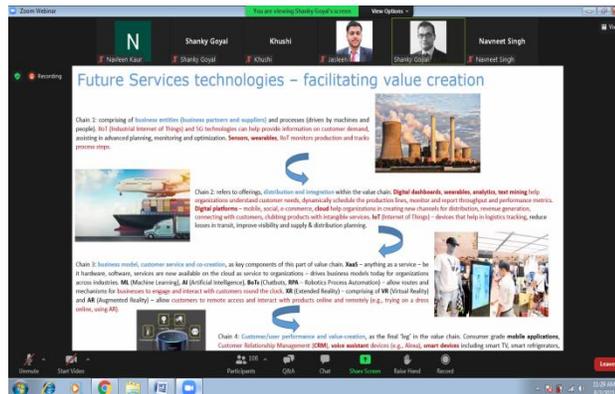
Department of Computer Applications organized Alumni Talk

An Alumni talk was organized by Department of Computer Applications on 14th September, 2021 to provide an insight about the learning experiences of the alumni during college period. The Alumni Ms. Radhika (Batch 2018-2020) currently working with Edifecs, Ms. Himanshi (Batch 2017-2019) currently working with Capgemini and Ms. Anusha (Batch 2018-2020) currently working with Infostride Technologies shared their experiences about different placement drives and also briefly described the latest technology trends in cooperate world.



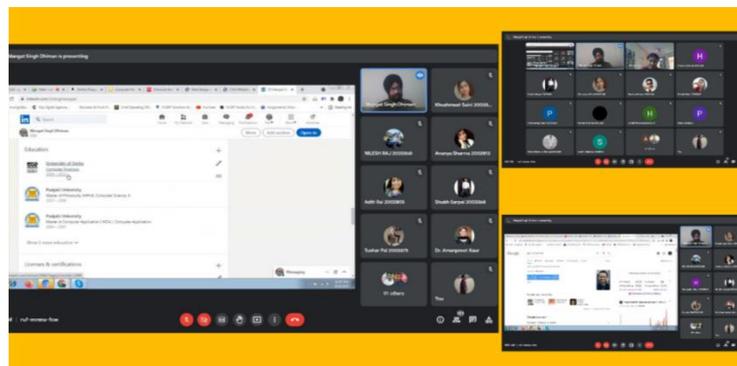
IT Department organized Expert Talk on Use Cases on how Machine Intelligence (AI,ML, XR)* enables Information Search & Customer Engagement

The expert session was organised by the CEC-IT team where the speaker was Head Digital [EFHX], honorary Joseph Dolphin. The session was organised on the technical topics like AI(Artificial Intelligence), ML (Machine Learning) and XR.The speaker was an expert in these and shared his own experience of work in the same technologies. The motive to organise the event was fulfilled that was to make students aware of the importance of their field in the real world scenarios as well.A very insightful and interactive event for students in which our expert for the session briefed all about Artificial intelligence and machine language ; a growing and future vital organ of our developing world.



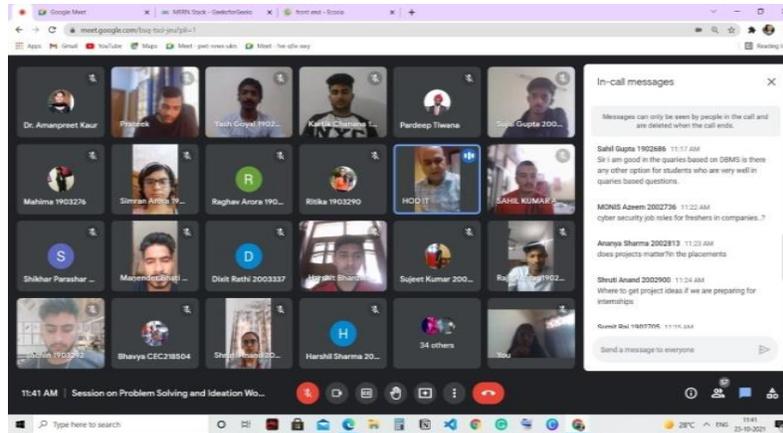
IT Department organized Mentoring Session on Successful Entrepreneurship

The event Mentoring Session on Successful Entrepreneurship was organized for the engineering undergraduate students of IT, CEC. It was more like a lecture as the expert who "Mr. Mangat Singh Dhiman" (COO) taught the students the basics of Successful Entrepreneurship.Dr Sushil Kamboj (HOD), Dr AmanpreetKaur, Mrs. Shanky Goyal, Mr. Mandeep Singh Devgan, Mr Amitabh Sharma, Ms.NavleenKaur were present among the faculty members to encourage and support the students. The event was a huge success as the interaction between the students and the expert was very enthusiastic and the count of the participants was a big number, and even the faculty members found it quite informative.



IT Department organized Workshop on “Problem Solving & Ideation Workshop”

The activity was organized to give brief information about placement drives in CGC. Also, students came to know that how much AMCAT and Aptitude classes are most important for placements. The students also learnt that how they can brush-up their coding skills. And the idea of internships were clearer for the students.



IT Department organized Departmental Fest “Eminence 2K21”

As per the culture of Department of Information Technology, Chandigarh Engineering College, Landran, organized Inter-Departmental Technical cum Non-Technical activities under “Eminence 2K21” on 29th November 2021. The sole purpose of this event was to provide the students exposure and platform to showcase their skills in various fields and get engaged in social activities after such a long period of time.



Applied Sciences Department celebrated “National Doctor’s Day”

On the occasion of “National Doctor’s Day” the Applied Sciences Department took the initiative to thank our doctors especially in the present time when we all are staying inside our homes and they are working as a guard to us against this corona virus as frontline workers without thinking of their own lives. On this occasion the department conducted a small interview with Dr Rohit Aggarwal (M.B.B.S)(HOD Department of Paeditrics Krishna Superspeciality Hospital) on 3rd July, 2021. The interview went out really well where

Dr. Rohit shared some useful information on different problems faced by doctors and how to handle panic situations.

The students prepared a power point presentation sharing data about some popular medical myths sticking to the minds of people and disclosing the reality behind them, also the department prepared an online quiz using google forms to check the daily life medical knowledge of the students. The event was successfully coordinated by Mrs. Namrata Chopra (DSW Coordinator Applied Sciences) with her team of student coordinators.



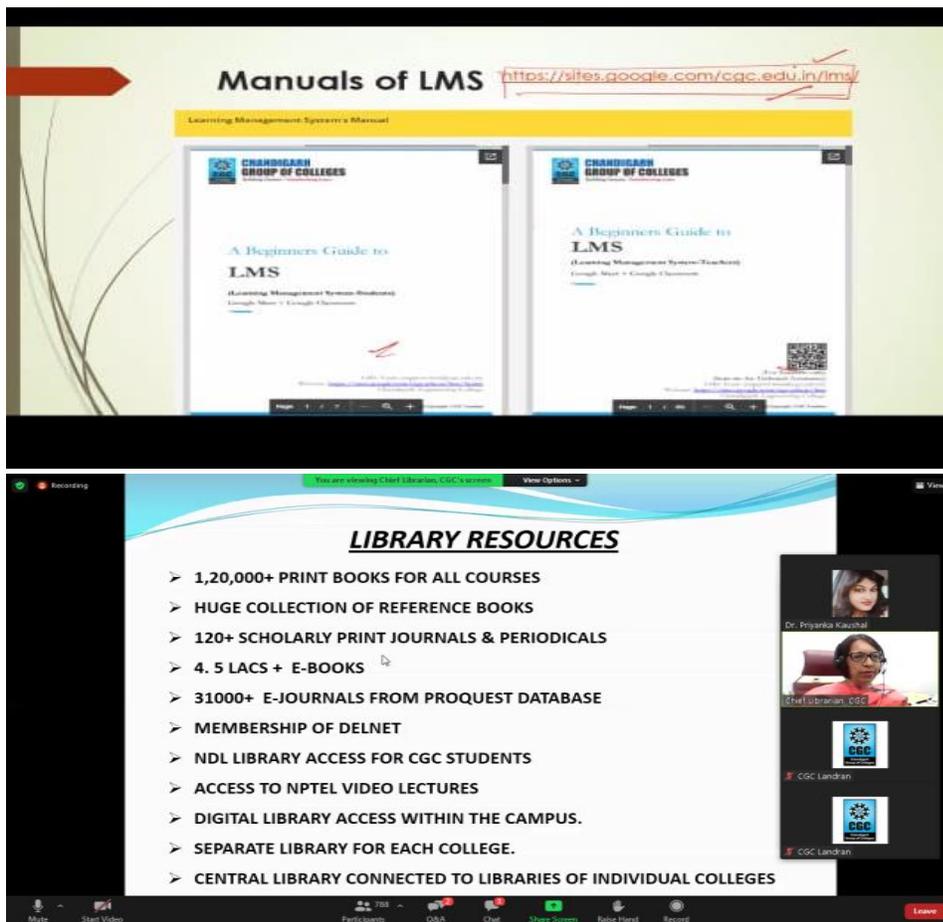
Chandigarh Engineering College organized Orientation Programme for Newly Admitted Students

Virtual orientation programme was organized for newly admitted students of B.Tech 1st year on 10th September, 2021. S. Satnam Singh Sandhu, Chairman, CGC offered a pleasant welcome to all the new students and their parents, and assured their parents that the college will register tremendous progress on all fronts with its sincere, dedicated and progressive efforts. S. Rashpal Singh Dhaliwal, President, CGC also welcomed and blessed the new students with his wonderful words of advice. The other dignitaries present in the orientation programme were Dr P. N. Hrisheeksha, Campus Director, Dr Jagtar Singh Khattrra, Director Academics, Dr Rajdeep Singh, Director Principal, Ms. Gagndeeep Bhullar, DSW and Dr Harpal Singh, Head Applied Science Department. This Orientation Programme was designed for the students, helping them to uncover the answers to the questions they had and providing them with information about campus resources, programs and services.



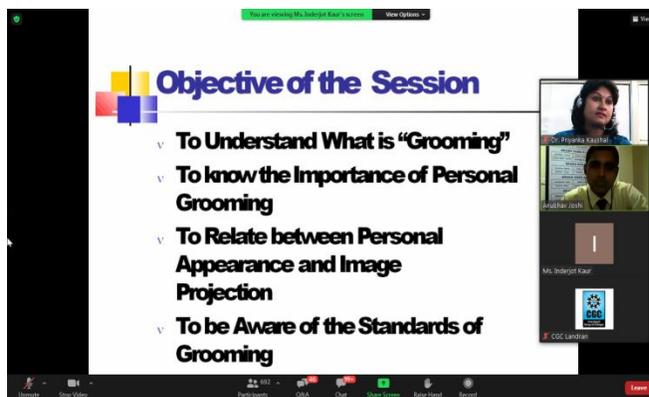
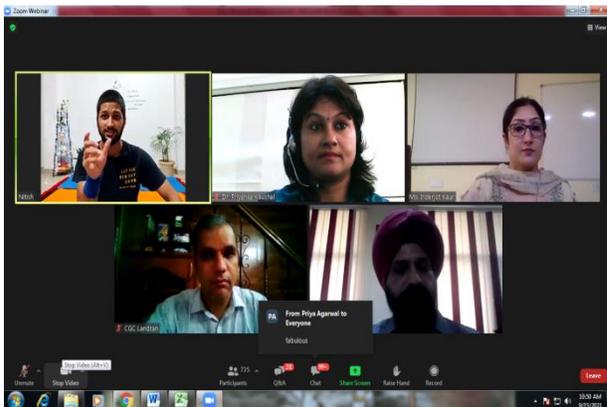
Applied Science Department Organized Learning Management System (LMS) Training and Library Session during Induction Programme

During Induction program of B.Tech first year students, Learning Management System (LMS) and Library session was organized by **Applied Science Department** on 13th September, 2021. The LMS session was delivered by the LMS team. Mr. Sachin Majithia, Assistant Professor - IT, Ms. Astha Gupta, Assistant Professor - IT and Mr. Neeraj Kumar, Assistant Professor – IT. They explained the students about Learning Management System of CGC. The speakers enlightened them about the Google platform i.e. Google classroom and Google meet. Ms. Astha very well explained them how to join the class, how to submit assignment and other activities that can be done on this platform. Furthermore, to acquaint the students about departmental and central library, Chief Librarian - CGC briefed the students about the total number of books available in the library and the procedure to get their books issued. She further added that students can have access to digital library for utilizing digital resources like NPTEL lectures, journals, plagiarism software etc.



Yoga, Grooming & Personality Development Sessions organized during Student Induction Programme

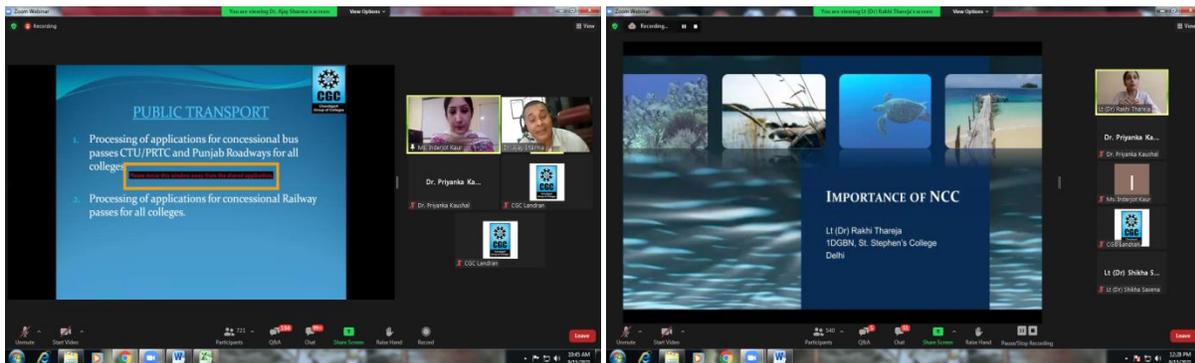
On Day 3 of Induction program, the sessions on Yoga, Grooming & Personality Development were organized by Applied Science Department on 14th September, 2021. Mr. Nitish motivated the students and sensitized them about the various benefits of Yoga. Mr. Anubhav Joshi, Assistant Professor, HMCT, CGC, Landran interacted with the students about Grooming and explained that how does grooming refers to the things that people do to keep themselves clean and make their face, hair, and skin look nice i.e. a growing concern for personal grooming. Further, he also elucidated about the dining etiquettes by clarifying the table arrangements for various meals e.g. Ala cart cover, Table d hote cover etc. and how to use the cutlery in any professional meeting. Personality Development session was delivered by Ms. Gagandeep Bhullar, DSW. She motivated the students to build the personality that can appeal other people by giving examples of great personalities like Manmohan Singh, Barack Obama, Mahender Singh Dhoni and Virat Kohli.



Sessions on College Rules & Regulations, Scholarships & NCC organized during SIP

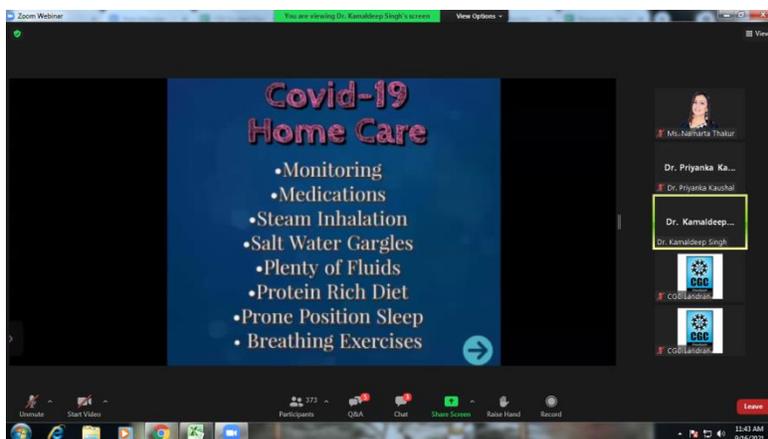
On Day 4 of Induction program, two different sessions on Rules & Regulation, Scholarship and NCC were organized on 15th September, 2021. Dr. Ajay Sharma – Registrar, CGC, Landran interacted with the students. Students were made aware of the Admission Regulations and Verification of all original certificates, migration certificate. He effectively explained the Loan process. He further sensitized students that Bonafide certificate, Backlog certificate are issued by the Registrar office. He discussed about Scholarships(State level and Central level) and Public Transport concessional bus passes as well.

Virtual NCC Session was delivered by Lt (Dr.) Rakhi Thareja. She elucidated about National Cadet Corps and the process of joining the same. She motivated the students to develop their personality by inculcating various good qualities like discipline, devotion, leadership skills etc in them. She further added that students can be recruited in army as army officer through NCC.



Session on Covid & its Precautions conducted for B.Tech 1st Year Students

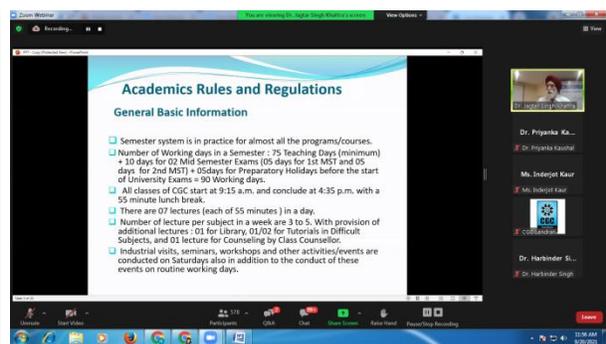
On Day 5 of Induction program, a session on Covid & its precautions was organized on 16th September, 2021. Dr.Kamaldeep Singh – RMO, CGC, Landran discussed some ways to prevent the spread of COVID-19. He effectively discussed the guidelines for proper hygiene to protect against COVID-19 and about the essential care which should be taken during the COVID-19 recovery period. He discussed about Home Care, Diet Plan, Medication and various beneficial breathing exercises. More than 720 students attended this informative and beneficial session.



Academic Policies and Communication Skills Sessions were organized by Applied Science Department

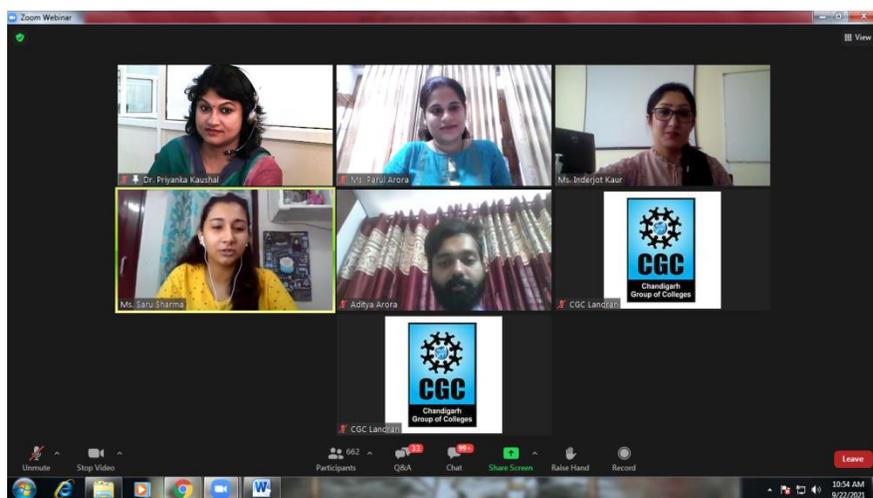
On Day 7 of Induction program, two sessions on Academic Policies and Communication Skills were organized on 20th September, 2021. Dr. Jagtar Singh Khattria – Director Academics, CGC, Landran interacted with the students about Academic Policies of CGC, Landran. He discussed about Education system of CGC, rules and regulations, attendance policy, struck off policy, leave policy etc. He also explained that how CGC provides good exposure to students and motivated them to participate in International Conferences, Seminars, Interdisciplinary research and training program. He also encouraged the students about research oriented environment in CGC and about the RISE department; filling of patents, research papers etc.

Ms. Inderjot Kaur, Assistant Professor, CEC, Landran interacted with the students. She discussed that how Communication Skills play an important part in the career development. Further, she also effectively explained the importance of good Pronunciation and discussed various techniques for the enrichment of vocabulary.



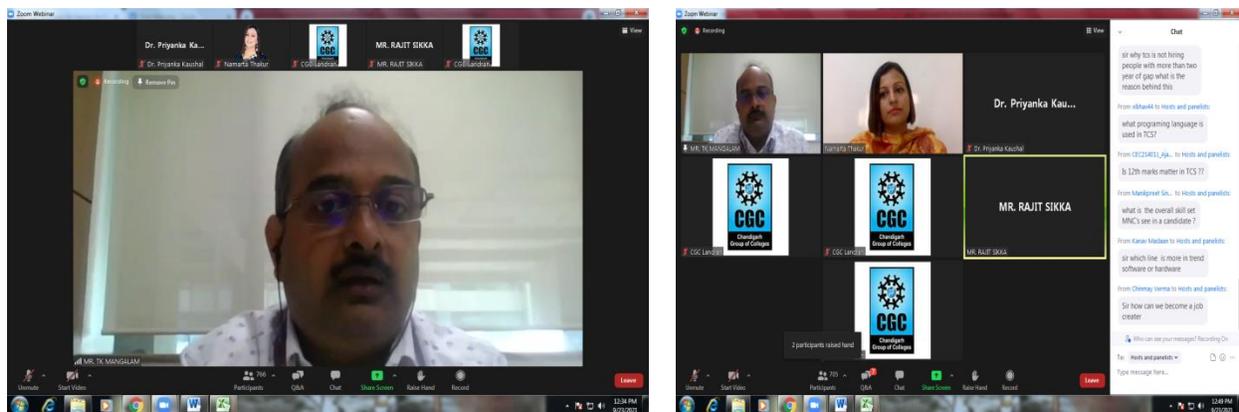
Interaction with Alumni for B.Tech 1st Year Students

On Day 9 of Induction program, a session on Interaction with Alumni was organized on 22nd September, 2021. In this Alumni session, Ms. Parul Arora- Research Scholar (PhD) from Deenbandhu Chhotu Ram University of Science and Technology, Murthal; Ms. Saru Sharma working as Social Media Marketing Specialist in Birlasoft and Mr. Aditya Arora working as Software Developer in Nineleaps Technology interacted with students. They shared their experiences of CGC during their stay. They also shared various strategies for achieving good academic results and they also insisted the students to stay focused on their dreams and keep chasing them. All the alumni praised about the ample of opportunities for placements at CGC. They particularly shared their success stories and gave complete credit to CGC.



First Year students interacted with Industry Experts during SIP

A virtual session on 'Interaction with Industry Expert' was organized on 23rd Sept, 2021. The renowned experts from industry; Mr. T.K. Mangalam - Principal Consultant with 30+ years of IT experience in TCS at Offshore & Client Site (London, UK) ; and Mr. Rajit Sikka- Senior Consultant at Tata Consultancy Services having more than 25 Years of experience in the Information Technology Industry along with its cross-functional dynamics in the Education Industry; interacted with the students. Mr. T.K. Mangalam and Mr. Rajit Sikka encouraged the students to develop their creative mind so that they may enhance and improve their skills. They motivated the students to think beyond the books so that they may get ready for industry with logical understanding in addition to academic knowledge. They further discussed that students should have basic knowledge and they should explore it with their creative skills.



Best Teacher & Special Achievement Awards

The faculty members of the Chandigarh Engineering College were bestowed with Best Teacher Awards and Awards of Appreciation on the basis of merit for their unwavering efforts on the occasion of Teachers Day, 2021.



Dr. Saurabh Chaitanya, Best Teacher Award



Dr. Sachin Mohal, Best Teacher Award



Ms. Inderjot Kaur, Best Teacher Award



Dr. A. Deepa, Best Teacher Award



Ms. Amandeep Kaur, Best Teacher Award



Dr. Vikas, Best Teacher Award



Dr. Rajesh Sharma, Dr. Saurabh Chaitanya, Dr. Manjit Singh, Dr. Varun Arora, Dr. Rajneesh Kumar and Mr. Ravinder Singh, conferred with Special Achievement Award.



Dr. Sukhdeep Kaur, Dr. Pooja Sahni, Dr. Simarpreet Kaur, Dr. Ankur Singhal, Dr. Mohit Srivastava, Dr. Dinesh Arora, Dr. Bhawna and Ms. Ramanpreet Kaur were awarded with special achievement award.

Other Faculty Awards & Honours

- Dr. Vinay Bhatia was awarded with best Head of Department of CEC and special achievement

award.

- Ms. Preeti Bansal of ECE department was awarded with special achievement award for completion of 10 years in CGC.
- Best Teacher award was bagged by Dr. Tarun Singhal.
- Dr Priyanka Kaushal of Applied Science Department, **published a book** entitled “Artificial Intelligence, Machine Learning and Data Science Technologies: Future Impact and Well-Being for Society 5.0” published by Taylor and Francis, CRC Press, **United Kingdom**.
- Dr Priyanka Kaushal of Applied Science Department was invited as Resource Person by Stanley College of Engineering & Technology for Women, an autonomous institution (NBA and NAAC ‘A’ Grade), Abids, Hyderabad in **One Week National level Faculty Development Program** on Research Advances in Computers and Electronics Engineering during 18-22 October 2021 via Online Mode. The topic of this Expert Talk was ‘IoT and Mathematics’.
- Dr Priyanka Kaushal of Applied Science Department was invited as Resource Person in a five-day online Faculty Development Program (FDP) on Panacea of Success: The ‘Leadership Excellence’ from August 24 to 28, 2021, by **AICTE Training And Learning (ATAL) Academy**.
- Dr Priyanka Kaushal delivered an Expert Talk in **National Level Webinar** on the topic ‘Mathematical Aspects of Machine Learning’ organized by Shri Kumarswami Mahavidyalaya, Ausa, Dist. Latur, Maharashtra, on 21st August, 2021.

Research Contribution by Faculty of Chandigarh Engineering College

- Dr. Sukhdeep Kaur, Dr. Vinay Bhatia and Kuldeep Sharma, published a research paper on “Design and Simulation of Capacitive MEMS Switch for Ka Band Application”, in International journal of Wireless communication and Mobile computing, Hindawi.
- Dr. Simarpreet Kaur, published a research paper on “Security enhancement of 2-D DIM codes using 4×1 NOR logic based on FISO” in International Journal of Optical and Quantum Electronics-Springer.
- Dr. Mohit Srivastav and Dr. Simarpreet Kaur, published a research paper on “Hybrid Local-Global Optimum Search using Particle Swarm Gravitation Search Algorithm (HLGOS-PSGSA) for Waveguide Selection”, in IEEE Access.
- Dr. Parveen Singla – published a Book chapter in the Book Titled as “High-k Materials in Multi-Gate FET Devices” and “Computational Technologies in Materials Science” with CRC Press, Taylor and Francis Group, US publishing agency. ISBN - 978-0-367-63968-6 and 978-0-367-64057-6.

Contribution of Faculty and Students in Filing the Patents

Following patents have been filed by the faculty and students of ECE

department:

- Automated C-19 Door lock with person Counter. (PIE NO.-1000)
- Intelligent moving stand for mopping with smart cap for maids. (PIE NO. 989)
- Audio Video Smart Security. (PIE NO. 987)
- Double Compressor Oxygen Concentrator.(PIE NO. 985)
- Multitasking charger with sterilization process (PIE NO.-990)
- PRESPA(Pressure Sensor and Password based Circuit breaker using Arduino)(PIE NO. – 1007)
- Women Safety Device Based on Voice Recognition. (PIE NO.987)

Students Achievements

- Akash kumar(1902307), Aliek Mandal (1902310),Aditya kumar (1902304) and Ajay Kumar (1902306) of ECE Batch (2019-2023) bagged first position in Technical Poster Presentation .
- Aman Akhatar 1902312 of ECE department Completed Certification from Udemy “Java Programming: Complete Beginner to Advanced”.

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