

ANNUAL REPORT 2022-23

Here is the annual report of our esteemed organization CEC-CGC, Landran, Mohali -- Engineering domain for the academic year 2022-23.

COURSES

CGC proffers Bachelor and Master Degree Engineering courses in the field of Computer Science, Mechanical Engineering, Information Technology, and Electronics and Communication Engineering, B.Tech Artificial Intelligence & Machine Learning and B.Tech Artificial Intelligence & Data Science. Two new courses B.Tech Data Science and B.Tech IOT, Cyber Security & Block chain Technology been added in the year 2023.

RANKING AND AWARDS

- In **NIRF** (National Institutional Ranking Framework) Ranking 2023, CEC-CGC has been ranked in 101-150 Band in Engineering Category and in the band of 51-100 in the Innovation Category.
- CEC-CGC got NBA accredited for two courses last year.
- CEC-CGC has received 3.5-star rating by Institution Innovation Council of the Ministry of Education (MoE) and All India Council of Technical Education (AICTE) for demonstrating excellence in activities related to Innovations, Entrepreneurship, Startups, and Research & Development.
- Among all Govt. and private institutes, CEC-CGC has achieved 5th rank in North India T schools by **Data Quest T-School Employability Index**, 8th rank in North Zone by **THE WEEK-Hansa Research Survey**, 1st rank in Punjab by **Outlook I-Care Rankings**, 2nd rank in Punjab by **India Today Ranking**, 3rd rank in Research Capabilities by **Times of India Engineering Survey**, 4th Position in Top Engineering Colleges in Punjab in **CSR-CHRD** rankings.
- CEC-CGC had the privilege to host the **grand finale of SIH six times** in a row. During the valedictory ceremony of SIH-2022, CGC had the honour of interacting with the Honourable Prime Minister of India, Shri Narendra Modi for the second time during SIH.

ACADEMIC ACHIEVEMENTS

In the IKGPTU examinations held in the year 2022-23, **44** students from all B.Tech branches were placed in merit positions, with **4** GOLD, **4** silver medals, **3** Bronze and **33** others positions (4th to 10th) among them.

STUDENTS' ACHIEVEMENTS

- **Ravinder Bishnoi**, a B.Tech. IT 7th sem student has been granted 2 patents. He has been declared best Student of India (All India Rank 1) in “**All World top 10 - Chegg Global Student Prize**”. He is selected among top five students from India among the top 50 shortlisted students for the \$100,000 Chegg.org Global Student Prize 2023. He is also the Winner of **Atal New India Challenge 2.0** for which he received a funding of Rs 1 Crore. He was also selected among top 3 Students of India who were invited by **Hon'ble Prime Minister Narendra Modi ji for interaction** for Technology Day Celebration in May 2023.
- Our ECE dept student Saloni Kashyap got best student award by Indian Society for Technical Education (ISTE) -2023 along with Ravinder Bishnoi.
- Talking about **Technical and non-technical achievements** our students have bagged top positions both at National as well as State level in various competitions like Red hat aptitude test, Coding Ninjas, Idea Manthan, Ideathon, Grad Insights, Mind drill 2.0, voice of science, UIET MUN 7.0 and Hacker's Arena etc. To list a few, Sonakshi and Manas Kumar Bal from CSE dept got 1st & 2nd positions in National level Coding Ninja competition. Nirbhay from CSE dept got 1st position in UIET MUN 7.0 held at UIET Panjab University
- So far as **Cultural achievements** are concerned our students have secured top positions in various cultural competitions. Our students have won **gold medal in bhangra** during zonal youth festival.
- Our students have also excelled in **sports** securing 1st, 2nd and 3rd positions in cross country, Basketball, Badminton, High-jump, Handball, Volley Ball, Tug of war chess, weightlifting and power lifting championships organized by IKGPTU Kapurthala, and have equally excelled in National/ State Level Championships. Our students have won 55 medals which includes 22Gold, 18 Silver and 15 Bronze in various PTU inter college tournaments.

RESEARCH & DEVELOPMENT

- The Faculty of CGC has published **398** research papers amongst which **41** research papers have been published in SCI, **100** in Scopus, web of science and UGC care Journals and **116** research papers in conference publications. Apart from that, our faculty has published **43** book chapters, and authored **13** books during the last year.
- With the unified efforts of students and faculty, CGC has filed **500+** patents during this period, **200+** patents have been published and **6** patents have been granted. According to the data of Indian Patent office we have achieved **4th** position pan India for filing maximum number of patents.

- In addition to this, **15** start-ups are being incubated by ACIC- RISE in support with NITI Aayog, Govt. of India. Our startups have received/sanctioned grants from various funding agencies that include: Startup India, Startup Punjab & Various Govt. agencies.
- **A number of** Research Projects have been approved and the total Grants Received so far is **Rs. 1,46,43,200/- (1 crore 46 lacs approximately)**.
- CEC-CGC has successfully coordinated **71** events in collaboration with ACIC RISE Association last year.
- ACIC RISE Association, Chandigarh Engineering College, Landran Sanctioned Rs. 2.1 Crore (Received 84 Lakh as first tranche) Under Startup India Seed Fund Scheme (SISFS).
- The Department of Science & Technology (DST), Government of India, has granted financial assistance of approximately Rs. 60 lakhs to CEC Landran for a sponsored project titled “Promoting and Disseminating Environment-Friendly Technologies to Generate Sustainable Employment Opportunities for the Rural Community.”
- CEC-CGC is a Host Institute (HI) for implementation of the Incubation Component under MSME Innovative Scheme which was approved in June 2022.

INDUSTRY ASSOCIATIONS

To bridge the gap between Industry and academia various MoUs have been endorsed by CGC. These MoUs facilitate faculty and student certifications. In the year 2022-23....

- **The department of CSE** inked MOUs with Vlabs IIT Delhi, CS Infotech Solutions, Spoken Tutorials IIT Bombay, Grazitti Interactive LLP, Red hat, IBM, RCED Chandigarh, NASSCOM and ICT Academy.
- **The department of IT** inked MOUs with CISCO, Raju Bros Softech Private Limited, Infosys campus Connect, Dot1 Solutions Pvt. Ltd, Think Next, AniWeb Designs, Cloud Techner and Cyber Defence Intelligence Consulting LLP.
- **The department of ECE** inked MOUs with Amber group Enterprise India Limited, Core Champ Technologies Private limited Delhi, Digtoad Tecnologies Bengaluru, Advance Technology, ABC Tech Serve and Texas Instruments.
- **The department of ME** inked MOUs with Parametric CADTech, Chandigarh, Cheema Boilers Limited Mohali, ANG Industries, Medhavi Center for Automotive Research, P2P Analysis and Solutions and GR Industries, Mohali.

CAMPUS PLACEMENTS

The students of CGC received **2500+** job/placement offers from **600+** companies, with a highest package of 45.5 and 36 lacs per annum offered by Amazon Development Centre India P.Ltd. and Auto Desk India. Apart from these companies, our top recruiters include

industry giants like Google, Microsoft, Amazon, MRF, Hyundai, Unisys India Pvt Ltd, LG Electronics, Nutanix Technologies, Walmart ,IBM, Samsung, Reliance Industries Limited, Bosch Global Software Technologies & many more.

INTERNATIONAL EXPOSURE

By having signed MoUs with reputed Universities of UK, USA, Germany, Australia, Belgium, Vietnam, Russia, etc, the Department of International Affairs at CGC is having more than 50 active global alliances with renowned universities and colleges. In the last one year, the institution has inked MoUs with Sochi State University-Russia, Birmingham City University-UK, Abertay university-UK, National Chung Cheng University-Taiwan, The University of West Alabama-USA and Hague University-Netherland. Apart from this, one of our student Bhavika Bhardwaj has been granted USA Visa to complete her degree and two of our CSE students received full paid grant to do semester exchange programme at Thomas More College, Belgium. Our faculty from ME dept Dr. Saurabh Chaitanya, attended International Days at Thomas More Kempen, Geel, Belgium under the KA107 (ICM) grant from the European Commission.