

7.3.1 QIM	<i>Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words.</i>
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Research Innovation, Sponsored projects & Entrepreneurship: In Quest of Excellence:

The institute was established with the vision 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. In order to realize the vision the promoters of the group left no stone unturned and made incessant endeavors to translate our vision into a reality. In order to create research and innovation conducive environment, a separate centre has been created with the name Research Innovation, Sponsored projects & Entrepreneurship (RISE).

In order to realize the vision of the institute, the centre of RISE has excelled in the following domains and created a niche for itself.

Policies

Chandigarh Engineering College, Landran, that aims to foster the spirit of Research, Innovation and Entrepreneurship, for which a detailed research and development policy, an IPR policy, Startup policy is in place.

Incubation Support

The institute has a fully functional incubation center, where currently 36 startups are being incubated. Over the years the center has been funded by Government of India under various schemes to promote entrepreneurship, recently we have received funding from AIM NITI Aayog Government of India of Rs. 2,49,24,000/- that is to be disbursed over the span of five years, with equal contribution from our institute. We have been recognized as the host institute by MSME (Ministry of Micro, Small & Medium Enterprises) for the incubation component.


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 CGC Landran, Mohali

Tie-ups & Collaborations

We have premier MOU's signed with National & International bodies to further strengthen the research and innovation infrastructure of our Institute. We have laboratories set up by premier organizations. Business Analytics laboratory has been set up by IBM, Drone Technology laboratory by Fly X, Red hat Linux Lab in collaboration with Red hat, Oracle Lab by Oracle Academy, Fresco Lab, Raju Bros IoT lab, NVIDIA sponsored Artificial Intelligence lab, virtual labs in collaboration with IIT Delhi. Apart from that we have tie-ups with government agencies like CDAC Mohali, CSIR CSIO Chandigarh, Startup Punjab.

Crossing the borders, few of our faculty members are doing collaborative research projects with foreign universities and research organizations that includes University of La Mancha, Madrid, Spain, Institute of Optics, Madrid, Spain, and Institute of Information Theory and Automation, Prague, Czech Republic.

Grants

- The institute received the very first grant to establish the **EDC** cell in the year 2014 to 2019 under IEDC.
- The Antenna & radiating system laboratory has been established for research work is funded by AICTE under MODROB Rural scheme.
- **DST** has granted a sum of **Rupees Fifty Seven Lakhs** to promote and disseminate environment friendly technologies to generate sustainable employment opportunities for SC community.
- Five of our incubated startup's received a seed fund of **Rs 3 Lakhs** each from **Startup Punjab**.
- Our incubated startup KieKie Tech private limited has won a seed fund of **Rs One Crore**, from **AIM NITI Aayog under ANIC 2.0**.

Rankings

- The first feather to our cap was added when we were the only private engineering college to get accreditation by the National Board of Accreditation (NBA) for 5 years (from 2009 to 2014). That to in the span of just seven years of existence. This achievement added wings to us and our institute never looked back. In the year 2022 again we have been given the NBA accreditation for 5 years.


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- We have two center of excellence (COE) established at our institute for Drone Technology in association with Fly X, Networking in association with CISCO Networking Academy.
- Chandigarh Group of Colleges has been placed at 4th rank in the list of Indian applicants for patents from academic institutes and universities for the year 2021-2022.
- Chandigarh Group of Colleges has been placed at 3rd rank in the list of Indian applicants for patents in the field of Information & Technology for the year 2020-2021.
- We are in the Excellent Band for the ARIIA ranking for the year 2021.
- The institute has been ranked on 139th position among the Top Engineering Institutions in India by NIRF, 2022.
- Institute received the highest 3.5-star rating by the Ministry of Education's (MoE) Institution's Innovation Council (IIC) for the year 2021-2022.

Patents

We have a dedicated IP cell that provides mentorship to the students as well as faculty. Weekly mentorship sessions are conducted by IP experts to foster the spirit of innovation. We proudly boast of filling 800+ patents, 400+ patents have been published, 10 innovation patents have been granted and 4 design patents have been granted.

International & National Events

National & International Workshops, Capacity Building Programs, IP Awareness Programs, Faculty Development Programs, Hackathons, Ideathons etc are being regularly conducted at the institute.

MOOCs & Video Lecture Series

In order to spread the knowledge of faculty members of the institute, regular MOOC sessions & Video lectures are recorded by the faculty members that are useful to the students of the campus as well as the students of other institutes as well. We have a separate YouTube channel to share the recorded sessions and courses (CEC Youtube Channel).


 Director P. K. Verma
 Chandigarh Engineering College
 CGC Landran, Mohali

Publications

We at Chandigarh Engineering College, proudly state that till date we have published **1247** research papers in journals of National & International standards. We have **5922** citations to our credit. The institute has an **h index of 35** and **i10 index of 182** as per the google scholar on 21st March 2023.

Training & Certifications

The institute has tieups with CISCO, ICT Academy, Palo Alto, IBM, Amazon, Infosys Campus Connect, NPTEL, NASSCOM, Oracle Academy, Coursera etc. and conducts regular training sessions in collaboration with these agencies.

Industry Institute Partnership

In order to bridge the gap between the industry and academia, the faculty and students of the institute undertake several consultancy projects. The departments have been offering consultancy to Solitare Infosys, GT Tech Solutions etc. Apart from that Drone Tech Solutions Private Limited is establishing a drone flying school at RISE center to provide skilled drone flying license.

We aim to be one of the best research institute in the state of Punjab. In the span of last 20 years, we have achieved a lot and still making efforts to further achieve further milestones.


Director Principal
Chandigarh Engineering College
CEC Landran, Mohali