CHANDIGARH ENGINEERING COLLEGE CGC LANDRAN
Building Careers. Transforming lives.

Chandigarh Engineering College-CGC Landran, Mohali, Punjab

6.5.1 QIM	*Internal Quality Assurance Cell (IQAC)has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities.*

The Institute established an Internal Quality Assurance Cell in 2017 as per the guidelines of NAAC.

- The IQAC regularly holds meetings with Head of Departments/Coordinators whenever any decision has to be taken to improve the processes.
- Representatives discuss suggestions from the staff and students in the IQAC 's meetings.
- The approved decisions are communicated to the staff and students.
- Takes initiative in organizing Seminars/Workshops related to effective implementation of any area of importance to the institute.
- The IQAC conducts a host of awareness, training and orientation programs with a view to imbibe quality among its stakeholders.
- Continuous feedback, Comprehensive Academic and Readiness Audits, Feedback from alumni, industry, students, and teachers helps it to institutionalize quality culture.
- Strengthen institute's academic structure by forming different committees/clubs/cells to address the needs of the students in curricula and co curricula aspects.
- Frames/Finalizes/Approves various structures and policies such as Academic Calendar, MST structures, feedback forms etc.
- Collaborative quality enhancement activities.
- Plans and guides students for add on courses.
- Documents the activities and achievements of the departments at the end of each year.

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Due to continuous efforts notable initiatives have resulted. The measures are to comply the two key policy.

A) Modern Training Methodologies towards skill enhancement

The measures taken are:

1. IIT Mumbai Spoken Tutorials – Certification courses.
2. NPTEL Active Chapter
3. Center of excellence
4. Virtual Lab, IIT Delhi
5. Compulsory Internship for Students

B) Quality Infra for Imparting Value Based Education

The measures taken are

1. Smart Classrooms, ICT enabled Classrooms and Seminar Halls
2. Facilities in Laboratories for Open ended and Design Experiments beyond Curriculum
3. Learning Management System (LMS)
4. CSE and ECE– NBA Accredited for implementing Outcome based Education.
5. Professional Society Chapters (e.g. CISCO Academy, CSI, ACM, Geeks for Geeks, SAE, ACS, IETE Student forum, The Institutions of Engineers etc.)
6. Common Computer Centre, Well Stacked Library, Digital Library to Promote Self Learning

IQAC is monitoring the institute in the following quality assurance strategies and process issues:

- Identify the processes needed.
- Ensures availability of requisite information and resources
- Measure, monitor and analyze.
- Ensure, achieve planned results and improvement.
- Suggest modifications to academic planning & Curriculum.
- Readiness of Departments in the beginning of the semester.
- Pre and Post audit execution
- Adherence to institutional academic calendar

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- Stake holders' Feedback, analysis and action taken
- Attainment of Cos, POs, PSOs by the Departments.
- Course Files
- Weak and bright students' identification and action taken.
- Students' Academic performance.
- Students' participation in competitions at various levels.
- Exposure of students to foreign Universities.
- Placements.
- Add on Certification courses.
- Publications and Patents by students.
- Skill enhancement
- No. of Doctorate Faculty.
- Record of subject wise attendance.
- Displaying attendance.
- Informing parents about shortage of attendance/marks.
- Students submit medical certificates immediately after reporting to institute if the absence is on medical grounds.

The efforts of IQAC have resulted in improvement in various aspects, e.g.

- No. of placements from 70.25% in 2017-18 to 84.01% in 2021-22
- No. of Add on/Certificate/Value added programs offered from 16 in 2017-18 to 226 in 2021-2022

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