



# PRAGATI ENGINEERING COLLEGE

(Autonomous)

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(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada)

(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act, 1956)

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## **The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms**

Pragati Engineering College (PEC), a leading institution dedicated to provide quality engineering education, recognizes the significance of periodic review and enhancement of these aspects. To ensure a systematic and comprehensive evaluation, PEC has established an Internal Quality Assurance Cell (IQAC) as per norms set by accreditation bodies.

**Role of IQAC:** The IQAC at PEC serves as a key institutional mechanism for quality enhancement. Comprising a team of experienced faculty members, administrators, and external experts, the IQAC is responsible for developing and implementing strategies for continuous improvements. One of its primary functions is to periodically review the teaching-learning process, structures, methodologies and learning outcomes. This proactive approach ensures that the institution stays abreast of the latest developments in pedagogy and aligns its practices with evolving industry requirements.

**Periodic Evaluation:** PEC believes that the periodical monitoring of teaching-learning process would potentially lead to the holistic development of the students, identifying the strengths, weaknesses and areas for improvement.

- 1. Teaching-Learning Process:** The IQAC at PEC reviews the teaching-learning process to ensure its effectiveness in fostering a conducive environment for knowledge acquisition and skill development. This includes evaluating the curriculum design, pedagogical approaches, classroom interactions, student engagement and faculty development initiatives. The IQAC seeks feedback from students, faculty and other stakeholders through surveys. Based on the feedback, the IQAC suggests improvements and implements necessary changes to enhance the teaching-learning experience.
- 2. Structures and Methodologies:** The IQAC also focuses on reviewing the structures and methodologies employed by PEC to support the teaching-learning process. This encompasses the availability and adequacy of physical infrastructure, laboratory facilities, library resources, Information and Communication Technology (ICT) infrastructure, and administrative support systems. The IQAC assesses the compatibility of these structures and methodologies with the evolving needs of the students and industry. Recommendations are made to upgrade or augment the existing facilities to ensure a modern and technology-driven learning environment.
- 3. Learning Outcomes:** Assessing the learning outcomes of students is vital to gauge the effectiveness of the teaching-learning process. PEC's IQAC endeavors to evaluate the attainment of learning outcomes through CO-PO evaluation tools. The tool includes analyzing examination results, project work, internships and stakeholders' feedback. By comparing these outcomes with predefined benchmarks, the IQAC identifies areas where improvements are required. It then collaborates with faculty members to develop strategies and interventions to enhance the learning outcomes.

**Continuous Professional Development:** Recognizing the integral role of faculty members in shaping the teaching-learning process and outcomes, the IQAC at PEC places great emphasis on their continuous professional development. The IQAC organizes workshops, seminars and

training programs to enhance faculty members' pedagogical skills, subject expertise and research capabilities. It encourages faculty members to adopt innovative teaching methodologies, integrate emerging technologies and participate in research activities. Such initiatives contribute to a dynamic and engaging learning environment for students.

PEC's IQAC-driven approach to review and enhance the teaching-learning process, structures, methodologies, and learning outcomes has proven instrumental in maintaining its commitment to quality education. By conducting periodic evaluations, seeking stakeholder feedback and implementing necessary changes, the Institution ensures continuous improvement. Through its focus on faculty development, industry collaboration and student-centric practices, PEC remains at the forefront of engineering education, equipping students with the skills and knowledge necessary for success in their professional careers.