

D. Y. Patil College of Engineering, Akurdi, Pune
Annual Report of the Internal Quality Assurance Cell (IQAC)
Academic Year: [2023-2024]

1. Introduction

The Internal Quality Assurance Cell (IQAC) at D. Y. Patil College of Engineering, Akurdi, Pune, has worked relentlessly during the academic year to foster a culture of excellence across academic, research, and administrative domains. The focus of the IQAC has been on continuous quality improvement and aligning institutional practices with global standards. This report highlights the initiatives and achievements of IQAC over the past year.

2. Vision and Mission of IQAC

The vision of IQAC is to ensure continuous quality improvement in all institutional processes and to enhance academic and administrative performance to meet global standards. The mission of IQAC includes developing a framework for quality enhancement and sustenance, integrating modern pedagogical approaches and ICT into the teaching-learning process, promoting research and innovation that align with institutional and societal needs, and fostering inclusivity and a barrier-free environment for all stakeholders.

3. Activities Undertaken by IQAC

The IQAC undertook several initiatives during the year to enhance institutional quality. In academics, the cell organized faculty development programs on topics like Outcome-Based Education, NAAC accreditation processes, and the use of ICT tools such as Google Classroom, Mentimeter, and MOOCs. Orientation and bridge courses were conducted for first-year students to facilitate their academic transition. Additionally, regular monitoring of course files, lesson plans, and the attainment of course and program outcomes was carried out.

In research and development, the IQAC established a Research Advisory Committee to guide faculty and students in publishing research papers. Seminars and workshops on research methodology, intellectual property rights, and patent filing were conducted. Efforts were made to increase the number of funded projects by collaborating with industries and government bodies.

Infrastructure development was another focus area. Classrooms and laboratories were upgraded with smart boards and internet-enabled systems. Facilities for persons with disabilities were enhanced including the installation of ramps, tactile paths, and accessible washrooms. An Innovation and Incubation Centre was established to support start-ups and entrepreneurship.

Student-centric activities included value-added programs and skill enhancement workshops such as coding marathons, public speaking, and personality development sessions. Regular mentoring and counseling sessions were organized to address the academic and personal challenges faced by students. Students were also encouraged to participate in inter-collegiate competitions and hackathons.

The college strengthened its alumni engagement by organizing alumni meets and webinars on career guidance and industry expectations. Alumni were actively involved in delivering guest lectures and providing internship and placement opportunities for current students.

4. Institutional Achievements

The college successfully conducted the NAAC peer team visit and achieved an improved accreditation grade from 3.06 to 3.22. The placement rate significantly increased, with top recruiters such as Microsoft, Capgemini etc, participating in campus drives. The number of collaborations with industries increased through the signing of MoU for internships and projects. Faculty and students published a number of research papers in reputed journals and conferences.

5. Future Plans

In the coming academic year, the IQAC aims to introduce new undergraduate programs in emerging technologies such as infrastructure engineering. The cell plans to strengthen the implementation of the National Education Policy 2020 by promoting multidisciplinary education and lifelong learning opportunities. The focus will also be on achieving NBA accreditation for all eligible programs, enhancing green initiatives on campus, and establishing a Centre for Excellence in Teaching-Learning to train faculty in innovative pedagogical techniques.

6. Key Performance Indicators (KPIs)

The college recorded significant achievements in key areas such as placement percentage, student enrollment rates, research publications, collaborations with industries, and the conduct of value-added courses and faculty development programs. These indicators reflect the institution's commitment to continuous improvement and quality enhancement.

The major performance indicators are:

NAAC Cycle 2 Grade - A (3.22), Placement Percentage: 67%, Student Enrollment: 96%, Research Publications: 204, MoU with Industries: 29, Savitribai Phule Pune University Rankers – 06, eBAJA Vehicle – All India Rank 1

7. Summary

The IQAC at D. Y. Patil College of Engineering, Akurdi, has consistently worked towards achieving academic and administrative excellence. The initiatives undertaken during the academic year have contributed significantly to fostering innovation, collaboration, and inclusivity. The institution continues to move closer to its vision of becoming a leading engineering college recognized for its quality and impact.

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