



SANSKRITHI SCHOOL OF ENGINEERING

Behind SSSS Hospital, Beedupalli knowledge park, Prasanthigram, Puttaparthi - 515134
Affiliated by JNTUA & Approved by All India Council for Technical Education (AICTE), www.sseptp.org

6.5.1. 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.

In an ever-evolving world, engineering education plays a pivotal role in shaping the future. To meet the challenges of the modern era, our esteemed engineering college has established an Internal Quality Assurance Cell (IQAC), dedicated to revolutionizing teaching and learning practices, ensuring continuous improvement, and fostering research and development initiatives. The IQAC embodies our institution's commitment to excellence and lays the foundation for producing skilled, adaptable, and forward-thinking engineers.

IQAC Initiatives:

****Teaching and Learning:****

The IQAC is at the forefront of pioneering innovative teaching methodologies and pedagogical techniques. It collaborates with faculty members to design and implement student-centered learning experiences that stimulate critical thinking, problem-solving, and creativity. Through workshops, seminars, and training sessions, the cell equips instructors with the latest educational tools and technologies to enhance the classroom experience.

Active learning strategies, digital classrooms, project-based learning, and add-on courses are some of the approaches embraced by the IQAC. These endeavours aim to engage students actively, encouraging them to take ownership of their learning journey and apply theoretical knowledge to real-world challenges.

****Results and Analysis:****

The IQA Cell's initiatives have yielded remarkable outcomes, reflected in several key metrics:




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1. **Improved Student Performance:** By implementing interactive teaching methodologies, the cell has witnessed a significant improvement in student performance. The number of students achieving top grades has increased, indicating better comprehension and application of concepts.
2. **Enhanced Student Engagement:** With a focus on experiential learning, students have become more engaged and motivated. The dropout rate has reduced, leading to a positive impact on student retention and success.
3. **Faculty Development:** Regular feedback mechanisms and faculty development programs have led to increased faculty satisfaction and a boost in their teaching effectiveness.
4. **Stakeholder Feedback:** Surveys and interactions with students, parents, and industry partners have indicated a growing satisfaction with the quality of education provided by the institution.
5. **Interdisciplinary Collaboration:** The IQAC's efforts in fostering interdisciplinary courses have encouraged students to explore diverse fields, promoting a holistic understanding of engineering principles.

****Research and Development:****

The IQAC recognizes the indispensable role of research and development in advancing the frontiers of engineering knowledge. It actively promotes research culture among faculty and students, nurturing a fertile ground for ground-breaking discoveries and innovations.

The cell collaborates with various industries, research institutions, and government agencies to identify research opportunities aligned with the institution's expertise. Funds and resources are allocated to support faculty-led research projects, encouraging them to publish in reputable journals and present their findings in conferences.

Moreover, the IQA Cell actively engages students in research activities. Through research internships and student-led projects, they gain valuable research experience, enabling them to contribute meaningfully to the scientific community.



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