



ESWAR COLLEGE OF ENGINEERING

Approved by AICTE and Affiliated to JNTUK

Kesanupalli Village, Chilakaluripet Rd, Narasaraopeta, Andhra Pradesh 522601

Strategic Plan 2022-27



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Executive Summary

Eswar College of Engineering, located at Narsaraopet, Guntur District, Andhra Pradesh, is dedicated to cultivating a learning environment that fosters innovation, excellence, and holistic development. Our vision is to become a premier institution recognized for imparting quality technical education and nurturing competent professionals who can contribute effectively to society. Our mission is to provide a robust academic framework, promote research and development, and create a vibrant ecosystem that encourages continuous learning and ethical practices among students and staff.

Our quality policy is centered around delivering exceptional education through state-of-the-art infrastructure, experienced faculty, and a curriculum that integrates industry-relevant skills. We are committed to enhancing the academic experience by ensuring the highest standards of teaching, learning, and assessment. Our objectives include achieving academic excellence, fostering industry partnerships, promoting research initiatives, and supporting community engagement. We aim to equip our students with the knowledge and skills required to excel in their careers and to contribute positively to the technological and socio-economic development of the region.

The perspective plan outlines our strategic approach for the next five years, focusing on infrastructure development, faculty empowerment, and student success. Key initiatives include expanding research facilities, introducing new academic programs, and strengthening industry collaborations.

The implementation plan involves phased execution of these initiatives, with regular monitoring and evaluation to ensure alignment with our goals. By adhering to this strategic plan, Eswar Engineering College strives to create an educational environment that not only meets but exceeds the expectations of all stakeholders, paving the way for a brighter future for our students and community.

About Us

Eswar College of Engineering is established with a motive to nurture world-class engineering graduates, who can contribute to the growth of the nation with their unique abilities and skills. The Management of the Institution believes that a nation will move forward when Science and Technology flourishes in that nation and eradicates social evils through their knowledge and wisdom. To reach such a destination, there is a need for educational institutions that impart value based quality education with state of the art infrastructure. With a noble aim of fulfilling this need of the nation, Shaik Dada Saheb Charitable Trust established Eswar College of Engineering in the year 2008, at Narsraopet, Guntur District of Andhra Pradesh with a sprawling campus of 22 acres. The college is affiliated to Jawaharlal Nehru Technological University, Kakinada and approved by All India Council for Technical Education, New Delhi.

The college offers Undergraduate and Post Graduate Engineering Programs in traditional and emerging disciplines such as Agricultural Engineering, Civil Engineering, Computer Science and Design, Compute Science and Engineering with Artificial Intelligence, AI and Machine Learning, Electrical and Electronics Engineering, Electronics and Communication Engineering and Mechanical Engineering along with Master of Business Administration.

Today, the college emerged as one of the Best Engineering Institutions in the state of Andhra Pradesh, reputed for its highly qualified and experienced faculty, excellent infrastructural facilities for curricular, co-curricular and extra-curricular activities and good student support facilities with high environment consciousness and green practices holding its social responsibility to the highest grade.



Vision



To impart futuristic technical and management education and instil high patterns of discipline in order to set standards, making students superior and ethically strong in turn improve the quality life of the society.

Mission

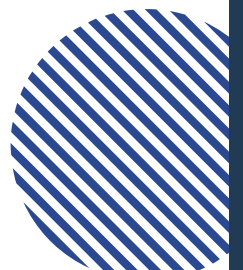


- To contribute to the social and economic development of this rural region through professional education.
- To continually enhance the quality of physical infrastructure and human resources to evolve in to a centre of excellence in engineering education.
- To prepare graduates who will engage effectively and responsibly in practicing of engineering and management profession through research activities in ever changing industrial economy globally.

Quality Policy



The Institution Policy is to deliver advanced education in engineering and management and foster ethical integrity, producing graduates who responsibly contribute to industry and socio-economic development



Core Values



Global Vision

- Cultivation of a diverse and inclusive campus environment that embraces multicultural perspectives and promotes Global Citizenship
- Encouragement of international collaboration, study abroad opportunities and cross-cultural exchange to broaden horizons and perspectives
- Integration of global issues and perspectives into the curriculum to prepare the students for global challenges and opportunities

Community Empowerment

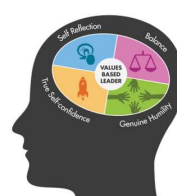
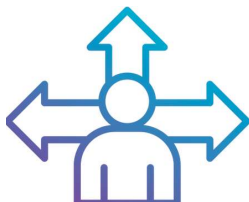
- Dedication to fostering strong relationships with local communities through outreach programs, service learning initiatives and partnerships
- Emphasis on social responsibility and civic engagement, addressing the community needs through collaborative projects and volunteer efforts
- Support for community development initiatives that promote economic growth, social equity and cultural enrichment

Value based Leadership

- Upholding ethical principles and integrity in all aspects of academic, administrative, research and professional activities
- Promotion of Honesty, Accountability and respect for Intellectual Property Rights
- Encouragement of ethical decision making and responsible conduct among students, faculty and staff

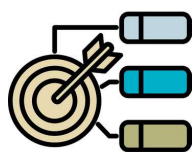
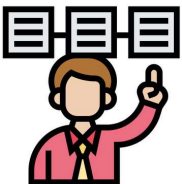
Green Campus

- Commitment to sustainability through eco-friendly practices, including energy efficiency, waste reduction, and green infrastructure
- Integration of renewable energy resources and conservation measures to minimize environmental impact.
- Promotion of environmental awareness education among faculty, students and staff



Objectives

- To continuously enhance academic programs and teaching learning methodologies to ensure that the students receive excellent education that meets industry standards and prepares them for successfully careers in Engineering and Management
- To regularly assess student satisfaction through surveys and feedback mechanisms and to implement improvement measures to enhance the overall student learning experience
- To support the faculty and non-teaching staff members in their professional development by providing opportunities for training, research collaboration and extend financial support for attending conferences, workshops and seminars ensuring that they keep updated with the latest advancements in their respective fields.
- To invest in the development and maintenance of stat-of the art infrastructure with upto date laboratories, well stalked library, facilities and amenities in order to create a congenial learning environment that fosters innovation and research
- To foster strong connectivity with alumni by providing opportunities for networking, mentorship and involvement in the institution development with membership in academic and administrative bodies along with continuous student interaction and association



SWOC ANALYSIS

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Strengths

- Excellent infrastructure and state-of-the-art facilities
- Strong industry collaborations for internships and projects
- Highly supportive environment for students and faculty
- Effective Teaching Learning and Assessment Methods
- Strategic location with easy access to local community

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Weaknesses

- Less number of faculty with doctoral degree and industry experience
- Lack of Industrial consultancy and research projects
- Less scope for international collaborations

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Opportunities

- Introduction of new and emerging academic programs
- Collaboration with industries for research and consultancy
- Leveraging on technology for remote learning and online education to reach wider audience
- Increasing demand for skilled engineers in sectors such as renewable energy, healthcare, and information technology

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Challenges

- Adapting to rapidly evolving technological advancements and industry trends.
- Attracting and retaining highly-qualified faculty members
- Addressing potential issues related to infrastructure maintenance and expansion.
- Navigating regulatory requirements and accreditation standards to maintain quality standards and compliance.

Perspective Plan

Academics

- Introduce new undergraduate and postgraduate programs in emerging fields
- Strengthen the faculty recruitment process to attract highly qualified educators
- Implement outcome-based education (OBE) framework

Student Progression

- Enhance student support services with training and skill development
- Increase the number of industry-sponsored projects and internships
- Improve campus facilities and resources to support student learning

Administration

- Streamline administrative processes through the use of technology
- Promote a culture of accountability and transparency
- Develop leadership training programs for administrative staff

Research

- Increase the number of research publications and patents
- Foster collaborations with national and international research institutions
- Provide research grants and incentives for faculty and students

Infrastructure

- Upgrade laboratories, libraries, and classrooms with state-of-the-art facilities
- Develop green and sustainable campus initiatives
- Enhance campus security and safety measures

Industry Interface

- Establish Industry Advisory Board to guide curriculum development and research focus
- Organize regular industry visits and interaction programs
- Develop industry-sponsored labs and centers of excellence

Institutional Excellence

- Achieve accreditation from national and international bodies
- Implement a robust quality assurance framework
- Foster a culture of continuous improvement through regular feedback and assessment

Social Responsibility

- Promote environmental sustainability through campus initiatives
- Organize health camps, literacy programs, vocational training and engage students with local community

Implementation Plan

Policies

- Develop and regularly update policies to align with strategic goals
- Ensure that the policies are communicated effectively to all stakeholders
- Design and follow meticulous procedures supported by well-devised guidelines and activities

Administrative Excellence

- Design an efficient administrative structure with clear roles and responsibilities
- Promote accountability and transparency in all administrative processes
- Implement paperless office to ensure transparency and reduced transaction time
- Maintain ethics and integrity in all administrative matters with complete

Appointment Procedures and Service Rules

- Follow merit-based procedures for faculty and staff appointments
- Constitute selection committees to ensure fair and transparent recruitment
- Establish comprehensive service rules governing employee conduct and performance
- Implement performance appraisal systems to support employee development

Monitoring and Evaluation

- Conduct regular reviews of policies and procedures to ensure effectiveness
- Implement feedback mechanisms to continuously improve operations

Compliance and Ethics

- Adhere to all regulatory requirements and ethical standards
- Foster a culture of integrity and ethical behavior among all members of the institution
- Develop a code of conduct that integrates institutional values and practices

Stakeholder Engagement

- Actively engage with staff, students, parents, and the community in decision-making processes.
- Organize regular meetings and forums to gather feedback and address concerns.
- Promote regular Alumni interaction and engagement for institutional development

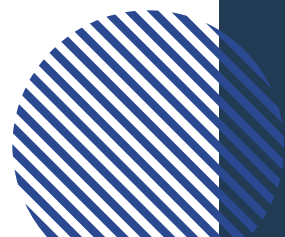
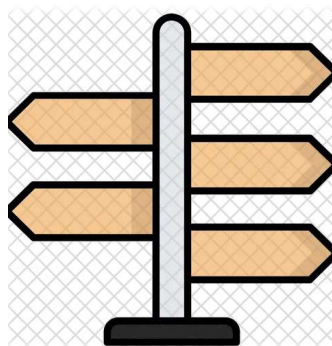
Goals

LONG-TERM GOALS

- To strategically enhance academic programs, research output, infrastructure,
- and student support services to achieve a prominent position in the National Institutional Ranking Framework (NIRF), aiming for a top ranking among engineering colleges nationwide.
- Forge a robust partnership with the affiliating university JNTUK, Kakinada, over the next decade to establish a collaborative hub for research and development
- Fostering innovation, knowledge exchange, and impactful interdisciplinary projects that contribute to societal advancement and position the college as a leading research institution in the region.

SHORT-TERM GOALS

- Enhance curriculum to align with industry standards and incorporate practical skills development.
- Attain ISO certification in upcoming months through the establishment of streamlined quality management systems and rigorous compliance audits.
- Elevate academic excellence and research capabilities by enhancing faculty development, upgrading infrastructure, modernizing the curriculum, and establishing rigorous quality assurance in upcoming months to achieve UGC 2(f) status.
- Secure permanent affiliation in upcoming academic years through meticulous documentation of infrastructure, faculty qualifications, and curriculum adherence, meeting all criteria set by the accreditation board.
- Develop and implement a quality assurance plan aligned with NAAC standards to prepare for accreditation.
- Administrative and academic preparations to apply for autonomous status, demonstrating enhanced governance structures, academic autonomy, and strategic planning aligned with regulatory requirements.





Congratulations



ESWAR

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Kesanupalli (V), NARASARAOPET - 522601, Guntur Dist. A.P.



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