



KRISHNASAMY

College of

ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

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Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

A number of steps have been taken by Krishnasamy College of Engineering and Technology (KCET) in order to empower women and promote gender equality, the institution has taken number of initiatives.

Promoting Gender Equity:

KCET established a Woman Empowerment Cell to increase awareness of gender-related grievances among faculty and students. The cell has organized several seminars to increase community understanding of the significance of gender equality. The Cell addresses the challenges of the women and provides a platform for them to voice their concerns about sexual harassment, women's safety and security, etc. Women's empowerment is promoted through a variety of gender equity programmes. These events give confidence to express their freedom towards their rights. The Prevention of Sexual Harassment (POSH) initiative was created on our campus in accordance with AICTE guidelines to ensure the safety of women.

The college has implemented a number of safety and security measures to the women's safety while on campus. It has put in place CCTV cameras throughout the campus and offers round-the-clock monitoring. In addition, the college hosts regular events to increase awareness of sexual harassment and has set up a grievance redressal system for women to handle complaints regarding women's grievances.

Additionally, KCET also provides opportunities for women to excel in their chosen fields. The college has offered several scholarships which are just available to female students in order to uplift and inspire them. In addition, more than 50 percentage of women faculty have



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been employed by the organization to ensure gender equity at the teaching and non-teaching faculty members. Generally, the interview panel consists of at least one senior women faculty member. Several women faculty members are given headship in department level, various portfolios as well as in administrative level.

The girls have access to a separate women's hostel with a security system and are permitted to leave the hostel with proper request from their parents. This proper channel determines the comfortable security system of the hostel girl students even outside the campus. Every year, the institution's Women Empowerment Cell hosts a campus celebration of International Women's Day. The women empowerment cell organized one day excursion to reduce the staff depression. Our institution organized few awareness programmes on gender sensitization in view of sexual harassment of women at workplace.

Counselling Cell:

Parents and college administrators are extremely alarmed by the recent adult behavior of the students. The tutors concern will take notice of students who are either struggling academically or experiencing personal difficulties.

Separate Retiring Rooms:

Both boys and girls can use the well-furnished Retiring rooms at the college campus, when they are sick or just need some time to physical rest.

Conclusion:

Several steps have been taken by KCET to encourage diversity and gender equity on campus. To address concerns connected to gender equality, the institution developed a women's empowerment cell. KCET's efforts to commemorate significant occasions and advance gender parity are admirable and enhance the overall expansion and advancement of the community.



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7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures

2. Management of the various types of degradable and non degradable waste

3. Water conservation

4. Green campus initiatives

5. Disabled-friendly, barrier free environment

Response: A. 4 or All of the above

S. No.	Description	Click the link for relevant documents
1	Policy document on the green campus / plastic free campus	Policy documents on green campus
2	Geo-tagged photographs of the facilities	Geo-tagged photos
3	Circulars and report of activities for the implementation of the initiatives document	Circular & reports
4	Bills for the purchase of equipment's for the facilities created under this metric	Bills for the purchase of equipment's



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7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1.Green audit / Environment audit

2.Energy audit

3.Clean and green campus initiatives

4.Beyond the campus environmental promotion activities

Response: A. All of the above

S. No.	Description	Click the link for relevant documents
1	Policy document on environment and energy usage Certificate from the auditing agency	Policy documents & Certificates
2	Green audit / environmental and energy audit report from recognized bodies	Audit reports
3	Clean and green campus initiatives	Green campus initiative
4	Report on Environmental Promotional activities conducted beyond the campus with geo-tagged photographs with caption and date	Report with photos
5	Links for other relevant document to support the claim	Other documents



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7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

The mission of KCET is to provide an inclusive atmosphere that values diversity in terms of socio economic status, community, language, geography and culture. The institution understands, how important, it is to establish the mission for safe campus that values social justice, equity and diversity. The college has launched a number of campaigns to educate staff and students about their rights, duties, and responsibilities as citizens, as well as their constitutional obligations. In addition, the college has been actively participating in variety of National and International Commemoration Days, Events, and Festivals, such as Pongal, Pooja Celebrations, Independence Day, Republic Day, etc.

Celebrating National and International Commemorative Days:

KCET observes a number of national and international days in an effort to raise awareness and foster social cohesion. On occasions such as National Library Day, World Environment Day, and National Science Day, the college hosts events and activities.

Every year on August 15th, Independence Day is observed with great patriotism. The campus radio plays a variety of patriotic tunes that give off a strong sense of patriotism. The programme includes student performances of patriotic songs and talks honouring the valiant efforts of our freedom fighters.

KCET organize Republic Day Celebration for every year in the college where flag hoisting ceremonies have been conducted along with cultural programmes to celebrate the occasions. The students participate in several events like singing patriotic songs, delivering speeches to motivate and inspire the community.



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Engineers Day is observed on September 15th in honour of Sir Visvesvaraya's Birth Anniversary. As a remarkable homage to the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya, that day is regularly celebrated.

Celebration of Cultural and Communal Diversity:

KCET takes part in various kinds of cultural and community celebrations to promote harmony and understanding among the staff and students. Events and activities are planned by the college for the following celebrations such as Pongal and Pooja Celebrations. The organization invites staff members and students to take part in these festivities and discover India's rich cultural diversity

National Service Scheme (NSS) Activities:

An active NSS unit at KCET plans a variety of events to educate students about their rights, duties, and responsibilities as citizens, as well as their obligations under the constitution. The NSS unit runs a number of initiatives, including Health Camps, Blood Drives, and Awareness Campaigns on issues like Hygiene, Literacy, and Environmental Protection. Additionally, the NSS unit aims many activities to promote unity and harmony among students from all backgrounds.

Sensitization of Employees and Students:

KCET regularly offers training and sensitization programmes to both employees and students, to raise knowledge of citizen's rights, duties, and responsibilities regarding the principles, obligations, and duties outlined in the constitution. The college hosts seminars on subjects like Social Justice, Human Rights and Gender Awareness.

The organization has put in place a code of conduct that describes what is expected of both employees and students. The code of conduct places a strong emphasis on treating people from different backgrounds with respect, tolerance, and inclusivity.



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7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Best Practice 1: Robust continuous assessment - Progress through Process Control

Our institution has implemented a robust internal assessment framework to make it really continuous by addressing concerns associated to our students. This framework aims to comprehensively evaluate students' learning and progress in alignment with the educational objectives.

Objectives:

The approach encompasses several key objectives such as understanding of course content, identifying strengths and weaknesses, providing timely feedback, evaluating problem-solving abilities, maintaining accurate academic records, ensuring alignment with institutional goals and educational standards.

The Context:

It has been a challenge for many of the technical education institutions catering to the students from rurally backward region to surpass an overall academic pass percentage of 60. A meticulous planning with an understanding of students profile and performance, critical analysis, remedial measures within a stipulated period and sustainability are important in achieving Goal 60%+.



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The Practice:

Planning and Scheduling: The academic schedule is prepared by calculating the total number of periods required for all academic activities including assessments, especially slip tests and preparatory sessions. This structured approach promotes consistency and enables continuous assessment of students' progress. Question papers are scrupulously crafted by the faculty and undergo rigorous scrutiny by the HODs to ensure quality.

Administration: Clear guidelines and instructions are provided to the students to maintain integrity and fairness throughout the assessment process. Slip tests are conducted regularly to foster discipline and reinforce learning concepts. Mind maps prepared are displayed that further aid students in comprehending complex topics, ensuring holistic learning with ease of understanding.

Execution: During assessments, invigilators oversee the environment to uphold adherence to guidelines. An Institute Representative ensures systematic conduct of assessment tests, emphasizing procedural fairness and norms. Immediate feedback from invigilators and surprise squad visits promptly addresses issues if any, enhancing the overall effectiveness of the process.

Evaluation and Feedback: Assessment papers are evaluated by the course handling faculty and scrutinized by the Chief Examiner to ensure consistency and accuracy in awarding marks. Constructive feedback is promptly provided to students, helping them in identifying areas for improvement. Progress reports are dispatched to parents to inform about their ward's academic performance.

Review and Analysis: Post-assessment, through a comprehensive result analysis, courses that are critical in the overall result point of view are identified. These insights guide the implementation of targeted interventions such as remedial and other additional supportive measures.



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Documentation and Continuous Improvement: Comprehensive documentation practices ensure record keeping of test administration, question papers, answer scripts, and results. Question paper compliance is a document that showcases the correlation between internal assessments and end semester examinations. These documents serve as a valuable resource for quality assurance and future reference. Continuous improvement is ascertained, with ongoing feedback and subsequent adjustments in teaching methodologies.

Evidence of Success: Assessments with proper feedback and corrective measures through systematic analysis are aligned with learning outcomes. Trends in end semester examination performance driven through internal assessment over the last few years, show sustained improvement in academic outcomes. Specifically, the results from odd semesters have shown an increase of 8 to 9%, while even semesters have improved by 7 to 8%. This cumulative improvement has contributed to an overall increase of about 25% in academic performances before and after the Covid'19 pandemic.

Problems encountered and resources required: Lack of complete degree of autonomy in planning and scheduling of assessments being an affiliated institution, training and retention of faculty, attitude of millennium generation students are the challenges. Becoming an autonomous institution besides more vigorous in-campus training to the teachers and specialized counselling to the students may help in achieving the goal set through a better time management with stringent adherence to the Outcome Based Education.

Best Practice 2: Integrated Skill Development Model in Practice

Objectives:

- To provide quality education for the students in general, rural masses in particular
- To support their carrier and academic aspirations
- To effectively plan, implement skill development activities and to sustain with the participation of Industry.



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The Context:

Our institution continues to empower students with practical knowledge, critical skills, and a well grounded awareness of both technical and soft skills. This approach prepares them for successful careers and equips them as competent professionals. Continuous adaptation to challenges ensures that graduates remain globally competitive.

The Practice:

Training Module Alignment:

Our training spans across all years of study. The training modules, Value Added Courses (VAC) are designed to match industry expectations, ensuring graduates are employable.

Freshman Year Initiatives:

An induction programme upon admission to instill confidence and remove inhibitions, setting a positive tone for their academic journey. Skill Development Activities: Focus on enhancing communication skills, language proficiency, and technical exposure through "Budding Engineers Technical Expo" and value elucidation programmes.

Second Year Focus:

Public Speaking and Presentation Skills: Students engage in learning public speaking and presentation skills, preparing them for inter-departmental, inter-collegiate, and national/international symposiums. Technological Awareness: Through workshops, seminars and guest lectures, students gain exposure to recent trends.

Prefinal Year Emphasis:

Aptitude and Technical Skills: Students develop competency in aptitude, technical skills, and further hone soft skills through internships, in-plant training, industrial visits and miniprojects.

Final Year Preparation:

Interview Skills and Placement Training: Rigorous training prepares students for placements through sessions conducted by skill trainers, aligning with industry expectations.



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Evidence of Success:

Integration of all the above, lead to improved confidence levels and enhanced employability of our students besides entrepreneurial interest. In spite of the recession, our students were better employable as over 70% of eligible students secured placements in reputed multinational companies, with a 50% increase in average salary in the last five years. The companies visiting the campus for recruitment has doubled in respect of our efforts. Naan Mudhalvan Scheme of Tamil Nadu has officially announced that our institution has secured 48th place among 315 self-financing colleges under Anna University based on placement record.

Problems encountered and resources required:

Lack of autonomy in refining curriculum and time limitations for accommodating all such activities. Maintaining and expanding partnerships with industries to provide diverse internship and more placement opportunities. More interest of students in software career rather than core engineering. Highly effective and continuous monitoring of skill training is needed. Becoming an autonomous institution to introduce more lab oriented courses and to seek industrial accreditation s besides strengthening our association with MSEs. Motivation programmes on applications of AI, ML, IoT in core engineering and opportunity mapping besides strength profiling of the candidates.

File Description	Document
Best practices as hosted on the Institutional website	View Document
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7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

One of distinctive feature of our institution is its focus on socialistic and holistic development, reflecting its commitment to the society.

Institutional Social Responsibility (ISR)

KCET encompasses the proactive role that educational institutions play in contributing to the betterment of society beyond their core educational mission. It involves initiatives and practices that go beyond mere compliance with regulations, aiming instead to create a positive impact on the community and environment while nurturing ethical values and social consciousness among its stakeholders. This shows our distinctiveness.

Community Engagement

Our institution's ISR initiatives lie a commitment to educational excellence intertwined with active community engagement. Our institution not only strives to provide quality education but also integrates community service into its core mission. This is evident in various programs and activities that are conducted beyond classroom and real-world application. Such socialistic approaches turn a student into a responsible citizen.

Empowering School Students through Careers Guidance

Our institution organizes special guidance programs in schools across the region on "Career Planning and Scholarships" aimed at inspiring students towards meaningful career paths, particularly in engineering and related fields. Additionally, scholarship examinations are conducted to encourage students to pursue higher education, especially for economically downtrodden and rural background students, thereby fostering talent development and educational equity within our community. Supporting initiatives under certain scheme for



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school students demonstrates our institution's dedication to educational enrichment and community engagement with the participation of the government.

Go Green - From Seeds to Sustainability

Our institution places a strong emphasis on environmental stewardship through various sustainability initiatives. Former President of India Dr. APJ Abdul Kalam planted 100000th sapling in our campus and an appreciation was received for the green initiatives. Our NSS unit continues to conduct tree plantation programs regularly to raise environmental awareness, engage the community, and leave a positive ecological legacy for future generations. These efforts underscore our commitment to sustainability and responsible environmental practices, reflecting our dedication to preserving natural resources and promoting a greener, healthier planet.

Community Health Initiatives

Demonstrating our commitment to social responsibility and community welfare, our institution regularly organizes blood donation drives and medical camps through NSS, YRC. Our NSS team was recognized by the organizers for effective management of blood donation activities. These initiatives not only promote health awareness but also provide valuable healthcare services to the society. By actively engaging students and staff in these activities, we instil a sense of ethical responsibility and compassion towards others, aligning with our mission to educate and empower individuals not only academically but also socially.

Navigating a Pandemic Crisis

During the COVID-19 pandemic, our institution volunteered to Government of Tamil Nadu to serve as an isolation ward. This decision underscored our institution's feasible infrastructure and leadership in times of crisis. By providing essential healthcare support and resources, we demonstrated our readiness to contribute to public health efforts and mitigate the impact of the pandemic on our community. This initiative highlighted our role as a responsible institution dedicated to serving the needs of society during challenging times. Our institution voluntarily hosted the vaccination camps organized by the Government across several phases. These camps were conducted in collaboration with nearby primary health



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centres. This initiative aimed to contribute to public health by ensuring widespread vaccination coverage and promoting community well-being.

Utilization of Information Technology (IT)

A cornerstone of our institutional uniqueness is the strategic use of Information Technology (IT) facilities to host a wide range of academic assessments, including State and Central Government examinations such as UGC-NET, NTA - JEE, PG-NEET, JIPMER GATE and TNPSC by providing a conducive environment for these competitive assessments for regional benefits. This exposure not only enhances their preparedness and confidence but also familiarizes them with the rigorous examination environment critical for their future career aspirations.

Implementing Public Sector Initiatives

By providing venues for various activities, we empower young minds to explore leadership and civic responsibilities early on, fostering a sense of initiative and social responsibility among the next generation. Additionally, offering our institution's infrastructure as a venue for government programs aimed at benefiting the community further strengthens our ties with governmental agencies, NGOs, and local communities. These programs include health camps, awareness sessions, and skill development workshops, providing valuable learning opportunities while contributing to societal welfare and promoting good governance practices. The participation of our volunteers in electoral services not only supports democratic processes but also enhances our institution's reputation as a responsible member of the community.

Through Centre for Innovations and Entrepreneurship (CIE) we have trained nearly 200 external participants and turned them to entrepreneurs by using our resources under schemes such as “New Entrepreneur cum Enterprise Development Scheme (NEEDS) Entrepreneurship Skill Development Programme (ESDP) by Entrepreneurship Development Institute, Tamil Nadu and MSME-Development Institute, Chennai.



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Holistic Development through Community Service

Our institution's National Service Scheme (NSS) unit plays a pivotal role in promoting holistic development among students through various community service initiatives. Special camps organized in nearby villages serve as platforms for students to devote themselves in community services. These camps encompass a wide range of activities including workshops, health camps, and awareness programs. Both the NSS and YRC team received appreciation certificates for their remarkable services. Such activities not only benefit the local community by addressing pertinent issues but also cultivate essential skills such as organizational management, critical thinking, creativity, empathy, and leadership among students.

Emphasizing Ethical Behaviour and Societal Contributions

In conclusion, our institution's uniqueness lies in its holistic approach to ISR, encompassing educational excellence, community engagement, ethical governance, sustainability practices, diversity and inclusion efforts, and fostering a culture of social responsibility among students, faculty, and staff. Through these initiatives, we not only prepare students for successful careers but also empower them to become compassionate, socially conscious leaders who contribute positively to society. By aligning our institutional values with societal needs and environmental stewardship, we strive to make a lasting impact on our community and inspire meaningful change in the world. Our institution's ISR efforts reflect a broader understanding of its role in society, emphasizing ethical behaviour, and contributing to the well-being of communities and the environment. Through these efforts, we continue to uphold our distinctiveness as an institution committed to excellence, integrity, and meaningful societal contributions.

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