



TEEGALA KRISHNA REDDY ENGINEERING COLLEGE (UGC-Autonomous)

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTUH)

Accredited by NAAC with 'A' Grade. Accredited by NBA

Medbowli, Meerpet, Balapur(M), Hyderabad, Telangana- 500097
Mob: 8498085218. Email: info@tkrec.ac.in, www.tkrec.ac.in



College Code: R9

7.1.6 Quality Audits on Environment and Energy

Reports of Activities

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Report of activities for the implementation of green initiative Green initiative

activities

Energy efficiency: Implementing energy-saving measures such as installing LED lighting and promoting energy conservation behaviours.

Waste management: Establishing recycling programs bio materials to reduce organic waste.

Water conservation: Installing water-efficient fixtures, implement water reuse systems, and raise awareness about the importance of water conservation.

Sustainable building: Adhering to green building standards, utilize renewable energy sources, and prioritize sustainable materials in construction projects.

Biodiversity preservation: Maintaining green spaces, plant native vegetation, and minimize chemical use in landscaping practices to support local ecosystems.

Environmental education: Offering courses, workshops, and seminars on sustainability-related topics, and engage students in hands-on learning experiences through campus sustainability initiatives.

Guidelines:

All campus departments and individuals are encouraged to actively participate in green campus initiatives and support sustainability efforts.

Campus events and activities should prioritize eco-friendly practices, such as minimizing waste generation, utilizing reusable materials, and offsetting carbon emissions.

Purchasing decisions should consider the environmental impact of products and materials, giving preference to those that are environmentally friendly, energy-efficient, and sustainably sourced.

Maintenance and operations procedures should prioritize resource conservation and environmental stewardship, including regular equipment maintenance, water leak detection, and energy audits.

Continuous monitoring and evaluation of green campus initiatives should be conducted to assess progress, identify areas for improvement, and celebrate achievements.

By implementing these activities on the campus, the college is committed to fostering a culture of sustainability and environmental responsibility that benefits our campus community and the planet as a whole.

Principal
PRINCIPAL

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EVENT: SWACHH SURVEKSHAN

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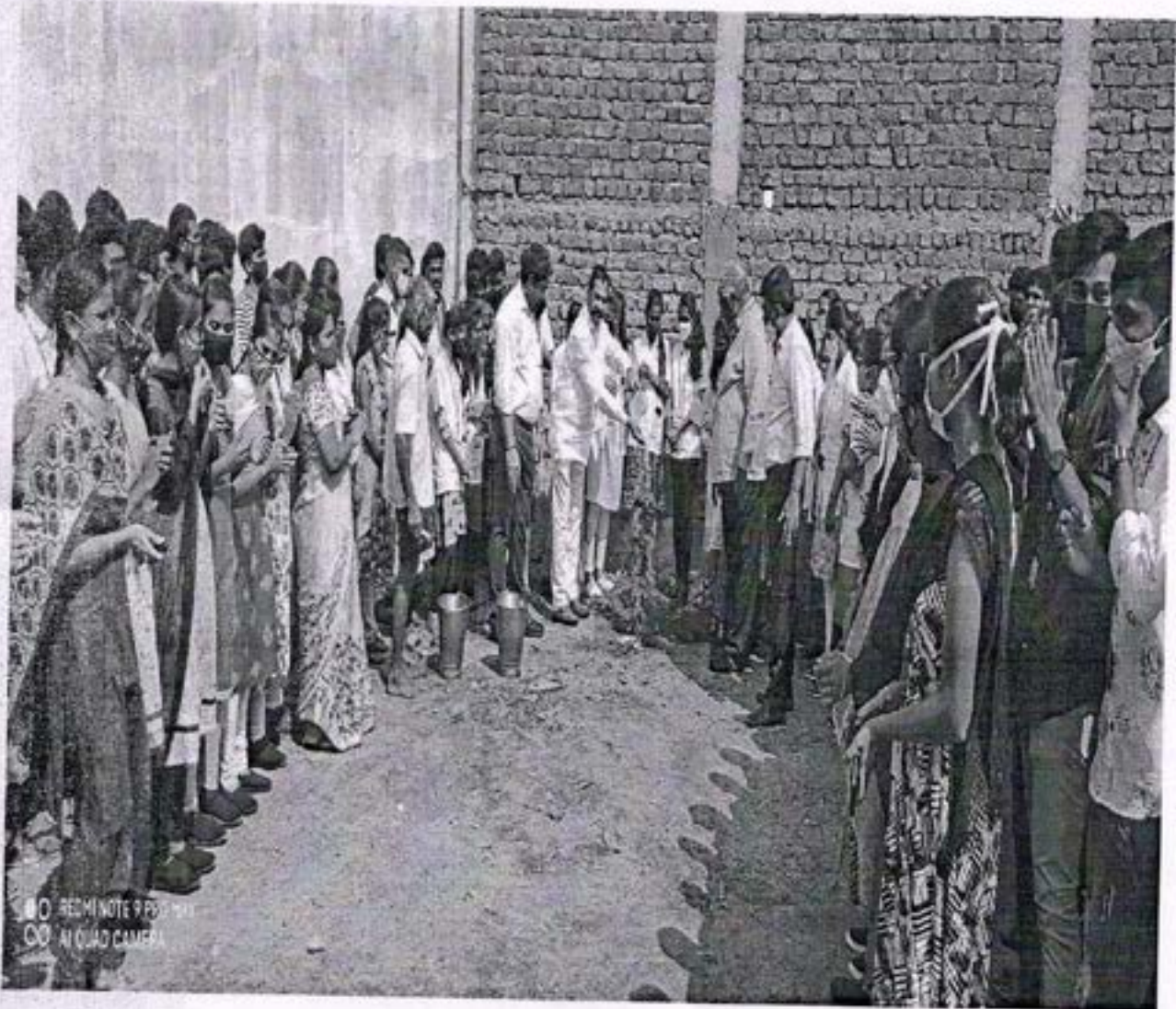
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EVENT: TREE PLANTATION PROGRAM

Tree plantation program was organized by NSS unit of Teggala Krishna Reddy Engineering College on 17-02-2021.



Tree Plantation Program on 17.02.2021

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PRINCIPAL

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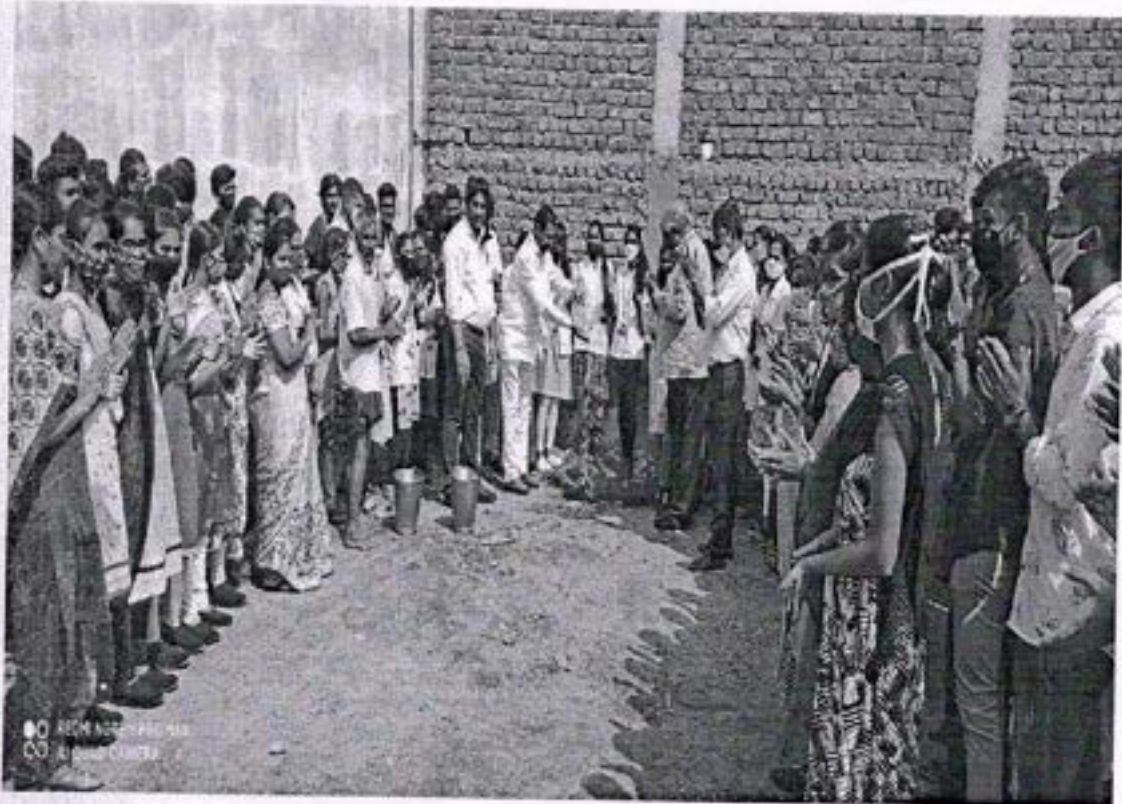
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NOTE 9 PRO MAX
CAMERA



NOTE 9 PRO MAX
CAMERA

Tree Plantation Program on 17.02.2021

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Tree Plantation Program on 17.02.2021

EVENT: HARITHAHARAM PROGRAM

HarithaHaram program was conducted by NSS unit of Teegala Krishna Reddy Engineering college 24-07-2021.

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PRINCIPAL

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REDMI NOTE 9 PRO MAX
CHERRY CHINA



REDMI NOTE 9 PRO MAX
CHERRY CHINA

HarithaHaram program on 24.07.2021

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CHERRY CHINNU



REGMI NOTE 2 PRO MAX
CHERRY CHINNU

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HarithaHaram program on 24.07.2021

Murthy

PRINCIPAL

Tegala Krishna Reddy Engineering College
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Harithaharam program on 17.02.2022

Praveen
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EVENT: CLEAN INDIA PROGRAM

NSS volunteers participated in Clean India program at Meerpet on 26th October 2021.



Clean India program on 26.10.2021 at Meerpet

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Clean India program on 26.10.2021 at Meerpet

Principals
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K. Venk
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Plantation drive on the campus on 22.4.2024



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7.1.6 Quality audits on environment and energy

Green audit reports

(Renewal) Environment Audit Certificate

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for 2021-2022 and 2022-2023 (Analysed for 2 years) to the Esteemed Institution

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(Site visit held on Friday, 26 May 2023)

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted. We appreciate the immense efforts taken by Staff and students towards the Environment Protection and Conservation.

Issued for data pertaining June 2021 to April 2023; Issued on Friday, 26 May 2023 and valid till 30 April 2024

Ar. Nafida Abdulla Shaikh

"Elite 100 Green Architects of India" Ecomaur, 2022

Registered Architect, P.G.D.R.D, ISO Certified I. A. (IMS)

Indian Green Building Council Accredited Professional (IGBC AP)

ASSOCHAM GEM Green Building Council Certified Professional (Registration. No. 22/718)

Project Head and Green Building Professional-Consultant

Sustainable Academe | Sustainability Department of Greenvio Solutions, Raigad

An environment Design and Consultancy developing Healthy and Sustainable Environments

Email: sustainableacademe@gmail.com | greenviosolutions@gmail.com



Website: <https://thegreenviosolutions.co.in/>

Narain
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Indian Green Building Council
Greening India since 2001

**INDIAN
GREEN
BUILDING
COUNCIL
(IGBC)**

M. Venk

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Confederation of Indian Industry

Indian Green Building Council (IGBC) appreciates

Teegala Krishna Reddy Engineering College Meerpet

for launching IGBC Students' Chapter at their Campus on 24th January 2019

to inspire, instill and imbibe 'Green' approach for a sustainable tomorrow.


K S Venkatesh
Executive Chairman
CII - IGBC


V Suresh
Chairman
Indian Green Building Council


Gurnit Singh Arora
Vice Chairman
Indian Green Building Council

www.igbc.in



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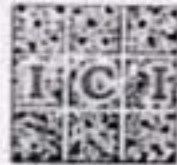
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TKREC
Established in 1984



College Code: R9



Indian Concrete Institute
admits

TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

as

ORGANISATION LIFE MEMBER

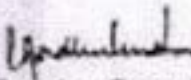
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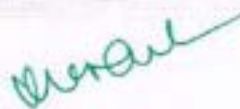
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Given under the seal of the Institute
by resolution of the Governing Council




Secretary General


President



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7.1.6 Quality audits on environment and energy

Policy document

6



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Policy Document for Environmental Consciousness and Sustainability

Teegala Krishna Reddy Engineering College (TKREC) recognizes the importance of reducing energy consumption and promoting energy efficiency to mitigate environmental impact and lower operational costs. This policy document outlines our commitment to energy conservation and establishes guidelines for sustainable energy management across campus facilities.

Goals:

- Reduce energy consumption: Implement measures to reduce overall energy usage across campus buildings and facilities.
- Promote energy efficiency: Upgrade equipment, implement energy-saving technologies, and adopt best practices to improve energy efficiency.
- Raise awareness: Educate students, faculty, and staff about the importance of energy conservation and encourage behaviour changes to promote energy-saving habits.
- Monitor and optimize: Continuously monitor energy usage, identify opportunities for improvement, and optimize energy management strategies to achieve maximum efficiency.
- Sustainability integration: Integrate energy conservation principles into campus planning, operations, and decision-making processes to ensure long-term sustainability.

Strategies:

- Building energy management: Design buildings to have ventilation and light for optimal energy usage.
- Lighting efficiency: Upgrade to energy-efficient lighting fixtures, utilize natural lighting whenever possible, and implement lighting controls such as timers and motion sensors to reduce unnecessary energy consumption.
- Equipment and appliance efficiency: Replace outdated equipment and appliances with energy-efficient models, implement power management practices, and encourage the use of ENERGY STAR-certified products.
- Renewable energy adoption: Explore opportunities for renewable energy generation, such as solar panels, to supplement traditional energy sources and reduce reliance on fossil fuels.
- Behavioural changes: Encourage energy-saving behaviours among campus occupants, such as turning off lights and electronics when not in use, unplugging chargers, and utilizing power-saving settings on devices.
- Energy audits and assessments: Conduct regular energy audits and assessments to identify energy-saving opportunities, prioritize efficiency upgrades, and track progress over time.

Murthy
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 Page 1/2

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- Collaboration and engagement: Foster collaboration among campus stakeholders, including students, faculty, staff, and administration, to support energy conservation efforts and promote a culture of sustainability.

Guidelines:

- All campus departments and individuals are responsible for contributing to energy conservation efforts and adhering to energy-saving guidelines and practices.
- Energy conservation considerations should be integrated into campus planning, design, construction, and renovation projects to minimize energy consumption and maximize efficiency.
- Facilities management staff should prioritize preventive maintenance, equipment optimization, and energy-efficient operation practices to minimize energy waste and extend the lifespan of campus infrastructure.
- Energy-saving initiatives should be regularly communicated to the campus community through various channels, including newsletters, workshops, signage, and online platforms, to raise awareness and encourage participation.
- Progress toward energy conservation goals should be regularly monitored, evaluated, and reported to track performance, identify challenges, and implement corrective actions as needed.

Conclusion:

By implementing this energy conservation policy, the institute is committed to reducing energy consumption, promoting energy efficiency, and fostering a culture of sustainability across campus. Together, we can make a significant impact on energy conservation and contribute to a more sustainable future for our college community and beyond.



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