



KBN COLLEGE
ESTABLISHED IN 1965



ISO 9001-2015 CERTIFIED

NAAC 'A' GRADE CYCLE 3

KAKARAPARTI BHAVANARAYANA COLLEGE

(AUTONOMOUS)

(Sponsored by S.K.P.V.V. Hindu High Schools' Committee), Kothapeta, Vijayawada - 520 001.

A College with Potential for Excellence (CPE) 3.5 Star Rating in Innovations & Start-Ups by MoE
Recognized as Band PERFORMER in ARIIA by Ministry of Education, Govt. of India

7.1.6: Quality audits on environment and energy are regularly undertaken by the institution The institutional environment and energy initiatives are confirmed through the following:

1. Green audit / Environmental audit
2. Energy audit
3. Clean and green campus recognitions/awards
4. Beyond the campus environmental promotion and sustainability activities

ADDITIONAL INFO.

ENVIRONMENT AUDIT BY CERTIFIED BODY
GREEN LANDSCAPE AUDIT BY CERTIFIED BODY

ENVIRONMENT AUDIT BY CERTIFIED BODY

<https://kbncollege.ac.in/attachments/naac4/audits/ENVIRONMENTAL%20AUDIT.pdf>

Acknowledgment

Sustainable Living Inc

Hiran Prashanth
Environmental Sustainability Auditor

15 January 2023

Environmental Audit at Kakraparti Bhavanarayana College (KBC)

The Sustainable Living Inc acknowledges with thanks the cooperation extended to our team for completing the study at Kakraparti Bhavanarayana College (KBC).

The interactions and deliberations with KBC team were exemplary and the whole exercise was thoroughly a rewarding experience for us. We deeply appreciate the interest, enthusiasm, and commitment of KBC team towards environmental sustainability.

We are sure that the recommendations presented in this report will be implemented and the KBC team will further improve their environmental performance.

Kind regards,



Yours sincerely,



Hiran Prashanth
Environmental Sustainability Auditor
Sustainable Living Inc

POLICY DOCUMENT ON ENVIRONMENT AUDIT



KBN COLLEGE
ESTABLISHED IN 1965



Policy Document
**Environment and
Energy Usage**

Energy and environmental problems are closely related, since it is nearly impossible to produce, transport, or consume energy without significant environmental impact. The environmental problems directly related to energy production and consumption include air pollution, climate change, water pollution, thermal pollution, and solid waste disposal.

KBN College's environmental and energy usage policy calls for systematic energy management to lessen environmental effect. As the institution continues to develop a campus that is economically and environmentally sustainable and reflects the institution's core values of engagement and accountability, this policy will play a crucial role. The policy applies to the college's stakeholders in relation to various activities organized or initiated by the college and is binding on all members of the institution. Through our day-to-day activities, this will positively guide us toward foundational competence and environmental awareness.

Policies:

Energy Conservation and Management:

- ◀ To assess how much energy we use and how it affects the environment.
- ◀ To save energy by installing LED lighting systems throughout the campus.
- ◀ To install Sensor based lights.
- ◀ To make use of solar power.
- ◀ To provide opportunities for training and information regarding energy-saving measures.
- ◀ To ensure that we have access to the resources we need to accomplish our goals.
- ◀ To concentrate on energy sources that are renewable.
- ◀ To actively collaborate with civil society organizations in the areas of environment, energy efficiency, and sustainable development and to consult and engage with government agencies, the municipal council, and the affiliated university.

Waste management:

- ◀ To create a waste management system that is both effective and well-organized.
- ◀ Proper recycling of organic waste through vermicomposting.
- ◀ To recycle the used papers and reduce the usage of paper work through e-governance.
- ◀ To make use of sanitary incinerator and sanitary napkin disposal machine.
- ◀ Reuse and recycle through activities that make the best from waste.
- ◀ Reuse of e-waste by minor/major repairs with professional technicians.
- ◀ To adopt semi micro analysis techniques to reduce chemical waste.
- ◀ To dispose chemical waste through proper chemical waste management processes.

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Water Conservation and management:

- ◀ To develop rainwater harvesting through the construction of rainwater harvesting pits and units and to tap rain.
- ◀ Leaks in pipes and tapes are patched and fixed frequently.
- ◀ To ensure the sustainable use of ground water.
- ◀ Water conservation awareness initiatives for young people.
- ◀ Introducing indigenous plant varieties and less water-intensive plants to the college campus.

Clean and Green Campus:

- ◀ Programs to plant trees on the campus in collaboration with local government agencies.
- ◀ Regular maintenance of campus garden.
- ◀ Encourage students to use reusable water bottles instead of purchasing single-use plastic bottles of water.
- ◀ To set out various receptacles for trash and recycling.
- ◀ Encourage recycling by providing recycling bins for different materials, like paper, plastic, aluminum and glass.
- ◀ Make aware the students to use bicycles or public transportation.
- ◀ To teach our staff and students how to use energy more effectively and protect the environment.
- ◀ To raise community awareness of energy efficiency, environmental protection, and sustainable development.
- ◀ To inspire and instruct our faculty, staff, and students to go green through our ECO Club, and NSS, among other activities.

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The institution's POLICY DOCUMENT ON ENVIRONMENT AND ENERGY USAGE is distributed to students, faculty, and staff, as well as displayed on the institution's website for all relevant stakeholders. Under the direction of the college's principal, the ECO Club will regularly regulate and evaluate the policy's goals and objectives.



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Kakaraparthi Bhavannarayana College
VIJAYAWADA-1.

GREEN LANDSCAPE AUDIT BY CERTIFIED BODY

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Acknowledgment

Sustainable Living Inc

Hiran Prashanth
Environmental Sustainability Auditor

15 January 2023

Green Landscape Audit at Kakaraparti Bhavanarayana College (KBC)

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We are sure that the recommendations presented in this report will be implemented and the KBC team will further improve their environmental performance.

Kind regards,



Yours sincerely,



Hiran Prashanth
Environmental Sustainability Auditor
Sustainable Living Inc

POLICY DOCUMENT ON GREEN CAMPUS



Policy Document

Green Campus



KBN College should demonstrate higher sensitivity and responsibility in implementing green concepts in the campus. In addition to promoting green practices within the institution, the campus sustainability initiatives develop best practices strategies in environmental management. The establishment and maintenance of green campuses are important, but we place the highest priority on educating students and stakeholders on green practices.

The policy starts with information and ends with a plan of action. Consequently, the institution will manage water and waste resources fairly, conserve natural resources, provide eco-friendly supplies, and recommend minimal paper usage. In order to establish and maintain a green campus, the Institute will implement the following practices and adopt awareness and green initiatives beyond the campus as well. This will result in safe environment that is a better place to live, learn and play.

Water Management:

- ◀ Always practice and implement rain water recycling and harvest rain water to resolve and manage water scarcity problems in future.
- ◀ Protect environment towards climatic changes and conservation of sources for drinking water.
- ◀ Regularly inspect taps for draining and repair immediately to avoid loss of potable water.
- ◀ Promote effective water management drip pipe lines, recycling of drainage and rain water harvesting.

Waste Management:

- ◀ To ensure that waste management is performed in accordance with all waste legislative requirements, including the duty of care, and to plan for future legislative changes and to mitigate their effects.
- ◀ To minimise waste generation at source and facilitate repair, reuse and recycling over the disposal of wastes in a cost effective manner.
- ◀ To provide clearly defined roles and responsibilities to identify and co-ordinate each activity of the waste management.
- ◀ To promote environmental awareness in order to increase and encourage waste minimisation, reuse and recycling.
- ◀ To invest into the expansion of recycling opportunities on the College campus and transform waste into value added products.
- ◀ To ensure the safe handling and storage of wastes on College campus.
- ◀ To provide appropriate training for teacher, resident, staff, students and other stakeholders on waste management issues.
- ◀ To promote holistic approach of waste management in the campus.

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Renewable Energy:

- ◀ Educate the public about renewable energy.
- ◀ Encourage the adaptation of solar power equipment and converters.
- ◀ Promote the use of power-saving electrical equipment.
- ◀ Be mindful of the significance of scientific electrification and the utilization of bulbs and equipment in conserving energy.

Paperless Office:

- ◀ Explain the advantages of shifting to paperless work as a means of reducing waste production and promoting environmentally friendly practices.
- ◀ Digital Library.

Green initiatives beyond the campus:

Off-campus green campus programs should be encouraged and planned. Strong commitment and administrative support are always available to the college to embed sustainability on and off campus. Through the implementation of promotional programs, KBN will become educated about social skills and increase their awareness of environmental issues such as pollution control, energy conservation, and on-site renewable energy practices. NSS volunteers will launch the student-led Green Campus initiatives under the direction of the NSS College Program Officer.

TIPS to save energy:

1. Enable the power management features on your computer and monitor so that when you aren't using them, they will enter into a low power "sleep" state.
2. When you exit your desk, turn off your monitor.
3. Make your laser printer's battery management features active.
4. Whenever feasible, log off instead of shutting down.
5. Use daylight instead of needless lighting.
6. Avoid utilising accent illumination.
7. Make use of LED or CFL lights.
8. When not in use, turn off the lights in meeting rooms, classrooms, and lecture halls.
9. Only use the blowers when necessary.

KBN College has to work out the time bound strategies to implement green campus initiatives for healthy ecosystems.



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