



KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.


(Approved by AICTE & Affiliated to JNTUH)

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Policy documents of Alternate sources of energy and energy conservation of the institution

To promote environmental consciousness and holistic development of students, has adopted Energy Conservation Policy for an “Environment of educational excellence.” The institution aims to realistically and Comprehensively reduce energy consumption, assure acceptable indoor air quality and Improve energy efficiency on campus through methods that are consistent with a safe, secure, And Eco-conscious campus community. As outlined in this policy, energy conservation will Be Accomplished by developing a proactive and progressive approach to providing energy Efficient, responsible, and cost-effective operations.

Applies to:

Faculty, staff, students and visitors.

Energy conservation practices and eco-friendly habits are inculcated among students

And staff through cautioning them about simple things which are really effective to reduce

Electricity Consumption like students and staff turning off all lights, appliances and Electronics not in use.

- Our Energy conservation practices include the College replacing all tube lights

With LED tubes, LED bulbs being the most energy efficient lighting option. LED

Tubes use 75% less electricity than incandescent tubes (Energy Star). LED tubes last about 25 Through LED.

- Annual Energy audit is made mandatory.
- has developed a plan

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To save energy at the institution level with time-bound plan towards energy conservation. Thus the institution has adopted a mechanism to use renewable energy and install 70 KWP Solar power Station. This not only enables the institute to have 24x7 power supply but also Ensures that renewable energy is used to meet more than 30% power requirement, thus Subscribing to Environmental Sustainability.

- Sustainability efforts, energy savings, and greenhouse gas inventory metrics are all High prior to a college and more importantly, to our students. Energy improvements occur mostly out of sight So raising awareness of these projects can hold real benefits, including encouraging desired Behavior on how a campus building can and should be used to contribute to a college's carbon Footprint reduction goals. Rising utility rates are generally a fact of life. Just like inflation, The cost of electricity, gas, and water will go up a few percentage points each year.

Save Energy TIPS to be followed:

1. Activate power management features on computer and monitor so that it will go into a Low power "sleep" mode when the students and staff are not working on it.
2. Turn off the monitor when the students and staff leave the table.
3. Activate power management features on laser printer.
4. Whenever possible, shut down rather than logging off.
5. Turn off unnecessary lights and use daylight instead.
6. Avoid the use of decorative lighting.
7. Use LED or compact fluorescent bulbs.
8. Keep lights off in conference halls, classrooms, seminar halls when they are not in use.
9. Use the fans only when they are needed.
10. Unplug appliances into power strips (Like TVs, Refrigerators, ACs, tea/coffeepots, printers, and chargers etc.,)


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**Policy documents of Management of the various types of
degradable and non degradable waste**


INTRODUCTION

The college is located very close to the city which is surrounded by greenery. Most of the students are coming from Villages of various Dist. Being a rural background student, they don't have much knowledge About waste management.

So, it is necessary to keep the college campus clean and ecofriendly by creating awareness About the cleanliness, health and hygiene among the student community. So, policy is framed To maintain and manage the waste generated during college hours.

This policy envisages to guarantying the moral, social and legal responsibilities of the College in creating an environment-friendly and sustainable world devoid of waste and Exploitation of nature.

This policy is a guide to the faculty, non-teaching staff and students to behave responsibly in the production of waste, waste segregation, storage, handling, Transport and disposal.


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POLICY OBJECTIVES

- Creating awareness among faculty and Students about the ways in which waste is generated and the means by which they can reduce waste generation
- It is instructed to college development committee (CDC) recruited temporary Staff to segregate degradable and nondegradable waste
- Following the five “R” principle of reduce, reuse, recycle, refuse and regenerate.
- Maintaining the campus to minimum plastic use
- To reduce waste generation during college programs and day today work in the campus.
- To encourage holistic approach of waste management in the campus
- Educate and create Awareness to the community about proper waste management through extension activities

POLICY FOR SOLID WASTE MANAGEMENT

- The solid waste generated in the college is related to the day-to-day activities should be segregated in to degradable and non-degradable waste
- The students should be encouraged to discard wastes to the respective baskets based on the type of solid waste
- Dustbins should be kept in each class rooms, ladies’ room, staff room, laboratories and library of the college
- It should be monitored by the NSS should actively take part in collecting the leaf litter and other degradable waste for making bio compost
- The food waste generated by the students, staffs, and at canteen is used at biogas plant

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LIQUID WASTEM MANAGEMENT

Liquid waste generated in the institute comes under three categories. So, policy is framed to manage such liquid waste in the campus.

- Waste water should be released in to college garden.
- Awareness about the importance of drinking water should be explained the beginning of the academic year to the freshers of the college. E-WASTE MANAGEMENT Electronic waste includes damaged and unserviceable CD's, printers, monitors, hard disc, scanners, calculators, battery, mouse, Key pad, CPU, Xerox machine etc.,
- E-wastes should be placed in the separate room & disposed to E-waste vendor separately for regale.

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Policy document of Water conservation

Water Conservation and Management Policy

Consequent upon the decision taken by the IQAC and subsequent approval of the Managing Committee of the college to formulate Institute Policy on Water Conservation and Management. Basically, conserving water is an excellent way to save the environment and put off chores. Rainwater harvesting is one of the most efficient and effective ways of conserving water. It is more like the recycling of natural water.

This document covers the following:

1. Water Resources
2. Workshop/orientation Programme on Save Water Mission
3. Save water
4. Benefits of Water conservation
5. How to Manage Water in College.

Water Resources in the Institute-

1. Bore well from where the water is stored in the tank having a capacity of 20,000 liters.
2. Provision of (rd) water purifier system / water filter & coolers which purifies the water for drinking purpose.
3. For rain water harvesting, we have ground water recharge pits in the college campus. They consume the water into the ground and hence the rain water gets harvested properly.



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Save water:

1. Avoid leakage of water from the taps.
2. Turn the tap off when not in use.
3. Rainwater harvesting in another method to conserve water.
4. The water supply should be limited in those areas which enjoys the unlimited water supplies.

The benefits of Water conservation are:

- Saving money, environment and energy.
- Protecting the drinking water resources.
- Reduce or minimize the pollution and health problems.
- Reduce the need for new waste water treatment facilities.
- Save the aquatic environment.

How to Manage Water in College

Water conservation and management encompasses the policies, strategies and activities made to manage water as a sustainable resource, to protect the water environment, and to meet current and future human demand, these areas are usually associated with large population centers or agriculture, where water use is high.

Here are ways students can help conserve the world's most precious resource with little effort and no cost!



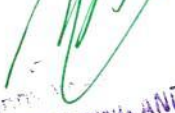
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1. Bring a reusable water bottle / cups to canteen to decrease the amount of cups that need to be washed.
2. Avoid food trays when possible.
3. Use a dishwasher (if have one) instead of hand washing to use less running water.
4. Garden/Plants need regular supply of water to grow.
5. Use “leftover” water from a drinking glass or from washing fruit and veggies to water plants.
6. Water plant in the early morning / late evening to decrease the amount of evaporation.
7. Have a leak or drip timely repaired
8. Schedule showers for post-exercise to avoid taking multiple showers in a day.
9. Report leaks on campus and in your neighborhood workshop.
10. Rain water collected at the terrace should be either directed to the water harvesting pits or directed to the play field/garden.


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The Green Policy of the Institution

Kasireddy Narayanreddy College of Engineering & Research endeavors to implement a human environmental co-existence model promoting welfare of the society through environmental protection. The policy encourages National and International benchmark for a social and environmentally sustainable campus and set an action plan for environmental culture, management and conservation. The Green Policy of the Institution covers the following points.

The Institute should abide by the policy and follow the regulations in the matters of its future developments, infrastructure, constructions and action plans Institute shall integrate environmental concerns into its every day practice.

The institute should practice conservation and utilize the natural resources as per environmental laws, regulations and standards for protecting the environment. The Institute should foster a culture to support and promote the principles and values of social and environmental sustainability.

Institute should make a commitment to reduce consumption and wastage of energy. And explore renewable energy sources as far as possible. In order to do this, the Institution should establish and maintain strategic partnerships with the students, staff local governing bodies, private companies and NGOs to develop and promote environmentally sustainable practices through MOUs wherever required.

The institute should establish a Sustainable Environment Management Committee (SEMC). The Committee should be empowered to make decisions and execute them regarding the sustainable environment management of the campus. The committee should strictly follow the laws and regulations set by the State Government in order to reduce harmful effects on the environment, human health and safety.

Institution should explore the possibilities of adopting eco-friendly culture and green buildings. The built environment of the Institution should reflect Institution commitment towards ecology as far as possible.



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Institution should be committed towards ensuring the quality of food purchased, prepared and served in the canteen towards enhancing the health of the campus community and the environment.

Some of the key areas that the SEMC should concentrate adherence to the Green Policy guidelines are as given below:

The Institute should try and meet its energy needs by using local and renewable energy sources to the extent possible.

Reduce electricity consumption. Awareness should be given to the staff and students regarding the energy wastage.


The large roof top area of the institute can be installed with solar energy panels. Solar heating technology can be introduced for hot water requirements.

Waste management:

Building up a system – As per the green protocol, the institute should segregate and manage the waste. Constant efforts should be made for building up a fully functional system for waste management which should rest on the principle of reduce, re-use, repair, replenish and recycle.

Awareness Should be given to the entire Institution community on waste management and waste segregation.

Green Auditing: Green audits should be conducted by a third party on regular basis to ascertain the adherence to the policy.


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Environment Management Fund:

The Institute should constitute an Environment Management Found which can be utilized for recurring expenditures to ensure a sustainable campus. The maintenance of green area, furniture and reusable assets, alternative energy sources like solar panels, the rain water harvesting system and biogas plant should be to taken care by this fund. The decision regarding the mobility of his fund should be reviewed by the SEMC.


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Policy Circular on Disabled Friendly barrier Free Environment

As per the general body meeting held on 03-07-2017, the management is decided to provide the following facilities for Disabled Friendly barrier free environment in the Institution.

- 1. Built environment with ramps & lifts:** In order to facilitate the Divyangjan for access to class room, lift with a carry capacity of 4 members may be installed. Apart from the lift arrangement, ramps construction at main entrance and all labs on the ground floor are required to be completed immediately.
- 2. Divyangjan friendly washrooms:** Divyangjan friendly wash rooms with Western style lavatories wheels chairs and walker are required to be provided.
- 3. Display Board & Sign Posts for tactile paths:** Tactile paths way to the additional building blocks from main block along with lights, display boards are required to be provided.
- 4. Separate screen reading Software or Lipi** should be procured and keep in the college.
- 5. Suitable reception counter** with human assistance or scribe and screen reading material should be setup.

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