



# **GKCIET ENVIRONMENT AND SUSTAINABLE DEVELOPMENT POLICY**





*"Earth provides enough to satisfy every man's need, but not every man's greed".*

*–Mahatma Gandhi*

# GKCIET ENVIRONMENTAL POLICY

GKCIET environmental policy focuses on integrating environmental awareness into the curriculum, promoting sustainable practices across the campus, including energy efficiency, waste management, water conservation, and green infrastructure, while actively engaging students and staff in community outreach programs to foster environmental stewardship and compliance with relevant environmental regulations; aligning with the National Education Policy's emphasis on holistic environmental education.

This is the policy of GKCIET to include environmental protection and conservation in decision making at all levels. GKCIET is committed to excellence in environmental, health and safety stewardship on our campus, in the larger community of which we are a part, and globally. It is the policy of GKCIET to encourage projects and initiatives on afforestation, landscape and ecosystem restoration, soil and water conservation, water quality maintenance, waste management, clean energy resources, sustainable development and climate change mitigation.



## STATEMENT OF POLICY

The environmental policy of GKCIET is to conserve natural environment, develop sustainable solutions, innovations and startups, promote rural technologies and control energy consumption. The policy envisions

- to build awareness among students about conservation of natural resources and development of sustainable environment for national prosperity
- to facilitate development of technologies for rural India for inclusive growth
- to adopt fair, ethical and environmentally-friendly approach, which incorporates everything from implementation to training of students
- to evolve futuristic technologies and develop engineering designs that could be pivotal for the sustainable utilization of the augmented natural resources
- to help building up a society that has conservation-oriented attitude and exists in harmony with nature
- to develop and maintain a Clean and Green Campus where environmentally friendly practices and education combine to promote sustainable and ecofriendly practices in the campus and beyond the campus.



## POLICY OBJECTIVES

- To educate and engage students and employees on environmental concerns and sustainability.
- To promote innovation and startup for sustainable development.
- To help and encourage adoption of working styles and evolve R&D programs that could turn into carbon-negative status of the Institute.
- To include environmental policy in all related and applicable policies of GKCIET.
- To take into account environment, occupational health and safety aspects in planning and decision-making.
- To encourage rural development programs and provide rural India with professional resource support.
- To encourage projects and initiatives on afforestation, landscape and ecosystem restoration, soil and water conservation, water quality maintenance, waste management, clean energy resources and climate change mitigation.
- To develop collaborations of academic institutions with key government flagship programs and foster collaborations between governance, knowledge institutions and local communities.
- To take the lead in redefining environmental culture through instilling environmental ethics among the students and staff.
- To sensitize the students and the staff to minimize the use of polluting products and promote use of environment-friendly products and services.



## PRIORITY AREAS

### Energy:

The university shall conserve energy by minimizing its usage to significantly reduce the university's CO2 footprint by pursuing a low carbon regime pathway. The university shall strive to maximize energy efficiency in existing buildings, renovations, and new construction. It will periodically review its energy sources, energy forms, and energy efficiency with a view to cause least environmental impact. It will carry out a continuous programme of energy conservation by monitoring the consumption and eliminating redundant or avoidable energy loss.



### Water:

The university shall conserve water and minimize its use through efficient management practices. It shall endeavour to use the minimum quantities of water possible in accordance with its activities and shall ensure that the water it uses is both supplied and disposed of, in the purest condition possible, meeting the statutory requirements. An on-going programme of water conservation would be instituted to monitor the consumption, reduce the leakage and eliminate the excessive or unnecessary use. The university shall promote efficient water use techniques, such as sprinkler or drip irrigation, in its agricultural farm and gardening practices. It shall support practices of rain water harvesting and artificial recharge and revival of traditional methods for enhancing groundwater recharge. Mandatory water harvesting and artificial recharge in all new constructions shall be complied with. The university shall ensure that such design techniques for road surfaces and infrastructure be applied which enhance groundwater recharge.



### Transport:

The university shall mitigate the harmful effects of its traffic on the environment. When travelling and from the university and between its campus and outside on university business, all staff and students will be encouraged to walk, use bicycles, public transport and will be discouraged from the single occupancy use of private vehicles. University controlled vehicles will be operated in such a way as to minimise their impact on the environment. Above all, the university shall encourage the use of bicycles for movements within the campus for students and staff members.



### **Waste Management:**

The waste management policy of the university shall aim to reduce the generation of wastes in all ways possible. It shall attempt to minimise the quantities of polluting effluent and emissions to air, land and water, and noise, odour and electromagnetic radiation. The university shall also minimise the use of hazardous chemicals and toxic sanitary substances. It will also support the environmentally responsible disposal of radioactive waste from within the university community. The university commits to a comprehensive recycling programme as the final step in solid waste reduction and as a means to transform waste into a resource. It shall segregate, recycle, and reuse its solid wastes and shall develop a waste-food composting and bio-mass resource recovery programme.



### **University Environment Management System:**

The university has a vision to setup an Environmental Management System (EMS), such as ISO 14000, and to adopt standardized environmental management practices, document their actual use, and to have a credible third party verification of the fact. The university shall encourage adoption of EMS through purchase preference for ISO 14000 goods and services for procurement, except for items reserved for the small-scale sector at any given time.



### **Environmental Audit and Natural Resource Accounting:**

The University is committed to the environmental audit needs and will try to impart training which will be beneficial to staff and students. For this, University will look forward for opportunity in tying up with Audit Organizations and would also be aware of the future developments taking place in the global scenario. Natural Resource Accounting is an entirely new area in which University shall embark upon and explore different horizons. Carbon credit earning can be a new avenue for revenue generation.



### **Publication and Dissemination:**

The university shall build partnerships with the local community and national organisations to promote its environmental objectives and communicate and disseminate its environmental performance and activities with the outside community through publications and media. The university shall publish and review the BHU Policy on Environment and Sustainable Development periodically and the university's environmental management procedures continuously.



# POLICY IMPLEMENTATION

GKCIET understands that ecological sustainability is a key component of its social responsibility and therefore, strives to make an impact on environment conservation by inspiring environment-friendly, professional and safe operations among students and staff of the institute. This includes conserving scarce resources such as raw materials, energy and water, as well as avoiding and reducing CO<sub>2</sub> emissions and waste. GKCIET has adopted a fair, ethical and environment-friendly approach that incorporates everything from the production to management and training of students in institutions.

## Scope

1. GKCIET shall uphold the Environmental Policy in its institutional policies and strategies
- 2.
3. The activities and initiatives taken up under GKCIET environmental policy shall be published in the Annual Report and on institutional website.

## Academic/Research Activities

1. GKCIET Curriculum to include subjects that enhance Environmental Conservation awareness and knowledge.
2. Student Induction Program to include awareness on Environment and activities like visit to nearby villages.
3. Approved courses to include engineering in Environment, marine, water technologies, carbon engineering etc. that can help develop technologies for enhancing or safeguarding the environment.
4. Facilitate development of research areas such as drinking water, agricultural and rural industries etc. which have environmental aspects associated.
5. GKCIET Activity (through internship policy) points include the following:
  - a. Prepare and implement plan to create local job opportunities.
  - b. Prepare and implement plan to improve education quality in village.
  - c. Prepare an actionable DPR for Doubling the village Income.
  - d. Developing Sustainable Water Management system.
  - e. Prepare and Improve a plan to improve health parameters of villagers.
  - f. Developing and implementing of Low-Cost Sanitation facilities.
  - g. Prepare and implement plan to promote Local Tourism through Innovative Approaches.
  - h. Implement/Develop Technology solutions which will improve quality of life.

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- i. Prepare and implement solution for energy conservation.
  - j. Prepare and implement plan to Skill village youth and provide employment.
  - k. Develop localized techniques for Reduction in construction Cost.
    1. Prepare and implement plan of sustainable growth of village.
  - m. Setting of Information imparting club for women leading to contribution in social and economic issues.
  - n. Developing and managing Efficient garbage disposable system.
  - o. Contribution to national level initiatives of Government of India. For example, Digital India/ Skill India/ Swachh Bharat Internship etc.
  - p. Inclusion of modules on Harmony with Nature, environmental conservation and sustainable development in the course on Universal Human Values.

### **Policy reference points**

1. United Nations Sustainable Development Goals 2030 to remain as thrust areas with special focus on Clean Water and Sanitation, Quality Education, Affordable and Clean Energy, Sustainable Cities and Communities, Climate Action, Life Below Water and Life on Land.
2. Environment conservation, rural development, sustainable development etc. to become a part of all policies of GKCIET such as Startup Policy, Internship Policy etc.
3. GKCIET to ensure Rain Water Harvesting within their premises, provide Waste Management and environment improvement measures to ensure a sustainable Green Campus, strive to have a plastic free environment, start Installation of solar rooftops/ power systems, wherever feasible.
4. Develop an academic framework for working on societal problems, their solution, delivery, reporting and assessment.
5. Develop over time, research areas which have developmental significance, such as drinking water, education, health, agricultural practices, electrification, agricultural and rural industries cooking energy, watershed analysis.
6. Develop collaborations of academic institutions with key government flagship programs and develop formal course-ware for supporting the knowledge needs for the same.
7. Promote networking and coordination among various science and technology based voluntary organizations and developmental agencies.
8. Provide rural India with professional resource support from institutes of higher education, especially those that have acquired academic excellence in the field of science, engineering and technology, and management.
9. Strengthen the technical design of interventions in key sectoral areas of natural

10. Help grassroots organizations in innovating new products, and support rural entrepreneurs to develop neighborhood solutions.

- Empower communities to dialogue with knowledge institutions in order to evolve technically sound and locally feasible development strategies that promote self-reliance.
- Facilitate convergence of development schemes, resources, various planning and implementation initiatives, and coordination of agencies for successful interventions and measurable outcomes.

11. Promote schemes by MHRD on environment in institutions such as one student, one tree etc.

12. Encourage internal policies such as making premises plastic free, replacing mementoes with plants, building applications on environmental conservation, sustainable development etc.

13. Facilitate recognition and protection of rights of owners of traditional knowledge and intellectual property, while promoting research.

14. To promote collaboration and networking among various Science and Technology organizations, Educational Institutions and Manufacturing



## Outcome

In accordance with India's National Educational Policy (NEP) 2020, GKCIET is committed to act as a positive and creative catalyst in the protection and enhancement of the local and global environment and sustainable development through teaching, research and outreach activities. The institute is also duty bound to foster a culture of environmental responsibility both within and outside the campus. This policy shall form a baseline and guiding principle for all our future endeavors.





**Thank You!**



Memo No: GKCIET/2025/232

Date: 22/05/2025

**NOTIFICATION**

A draft policy on Environment and Sustainable Development Policy of the Institute was placed before BoG in its 35<sup>th</sup> meeting as Agenda Item No 35.04.10. The BoG has approved the draft policy for implementation.

The Environmental and Sustainable Development Policy of the Institute is enclosed for necessary action.

This is issued with the approval of the Director.

  
Registrar  
GKCIET, Malda

Copy to:

1. Chairman, Estate Management Committee- for necessary action please.
2. All employees of GKCIET- for kind information please.
3. ~~AA~~ System Manager- for uploading institute's website.
4. Director Cell- for informing to the Director.
5. File Copy