

**Government General Degree College Mangalkote**  
**[Affiliated to The University of Burdwan]**

**Energy Conservation Policy**



**Proposed  
By**

**Environmental Awareness Committee  
In Collaboration  
With  
IQAC, GGDC Mangalkote**

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# Government General Degree College Mangalkote

## Energy Conservation Policy

### Introduction:

Being a front-line Higher Educational Institute under Government of West Bengal, Government General Degree College Mangalkote is committed to develop and implement a Green and Sustainable energy system on the whole campus, which will spread the awareness and motivation in the society to move toward the clean and sustainable energy resources. The energy demand in daily life is increasing rapidly and dynamically day by day and thus in near future conventional (non-renewable) energy resources may not be able to fulfill this rising requirement. Thus, with the aim to achieve Sustainable Development Goals (SDGs), GGDC Mangalkote has taken well established steps through the **Energy Conservation Policy** to manage and reduce energy consumption throughout the college campus. The energy usage policy of our college is to manage energy in such a systematic way that minimize its impact on the environment.

### Objectives:

The **Energy Policy of the GGDCM** articulates in organizing structured programs to promote awareness on the proper management and conservation of energy that models a resource-efficient and low-carbon campus which demonstrates practice for sustainability.

Through the policy, the Environmental Awareness Cell focuses on the following objectives:

1. Improvement in energy efficiency to reduce energy consumption and cost.
2. Promote efficient use of renewable energy.
3. Reduce, Reuse and Recycle.
4. Carry out regular internal energy audits to identify energy conservation opportunities.
5. Protect and conserve ecological systems and resources within and outside the campus.
6. Work with the local community to enhance the environment protection practices and energy conservation strategies among the rural community.
7. Proper training of faculty members, non-teaching staffs, students and librarian to make the institute a role model in the field of Energy Conservation.
8. Establish ties with industries or institutions and conduct a complete energy audit.
9. Review the policy on regular basis
10. Promote awareness related with Energy conservation among various sections of society.


### Scope:

The policy facilitates the Environmental Awareness Cell to ensure involvement of all the stake holders of the institution in the practice of energy conservation, through organizing awareness programs for students and faculty and encouraging faculty members to obtain certification as certified energy auditors. Students and faculty involvement is facilitated through green audit, encouraging projects related to energy conservation and management, renewable energy, waste to energy, internal energy audits, etc. Department of chemistry is collecting rain water which is used as distilled water during the course of practical which lowers the requirement of water distillation plant, ran by electricity.

### Policy Statements for Energy Optimization Plan:

The **GGDCM Energy Policy** articulates commitment of the institution to the conservation of energy by defining energy management protocol for thermal and electrical energy systems of the institution, focusing on sustainable practices in reducing carbon footprint and other environmental impacts as per energy conservation and management for an eco-friendly green campus. The following policies are recommended:

- a) Proper assessment of source energy usage and measure its impact on the environment.
- b) Monitor and Evaluate energy performance levels of important electrical devices.
- c) Use of energy efficient, star labeled equipment.
- d) Periodic maintenance and replacement of other lights/lighting fixtures to LED.

  
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- e) Maintaining a sustainable approach by use of existing equipment efficiently till its life cycle ends, and replacing with more efficient equipment when necessary.
- f) Reduce eWaste to maximum with proper maintenance, before moving on to replace & recycle stage
- g) Install photovoltaic solar panels for the generation of alternate energy.
- h) Maximum use of daylight for indoor illumination and natural ventilation.
- i) Develop rainwater harvesting unit which ensure the reduction in use of borewell water for commercial purposes of institute such as gardening, vehicle cleaning etc.
- j) Use of occupancy sensors for classrooms, halls, administrative offices, restrooms and sensor-based switches for streetlights, corridor lighting to optimize energy use. Messages regarding power saving (switching off the fans and lights) are to be written by using stickers in each room where the sensor is not used.
- k) Fine tuning of optimum temperature setting of air conditioners.
- l) Encourage students to undertake UG projects on Energy Management, Energy Optimization Techniques, Renewable Energy Harvesting etc and thus promoting a sense of awareness towards energy use and its cost.
- m) Carry out tree plantation programme on regular basis within and outside the campus.
- n) Provide training for faculty and students about Energy Management, Energy Auditing.
- o) Reduction of Air Pollution and also use of non-renewable energy resources by using environment-friendly vehicles (bicycles, EV scooters or cars), public transportation and use of pedestrian-friendly roads.)
- p) Celebrate “No Vehicle Day” once in every month where no petrol, diesel and CNG vehicles are allowed to enter in campus.

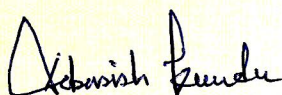
### Responsibilities of Faculties, Students and Non-Teaching Staffs:

- Turn off lights and fans while leaving a room.
- Turn off computer at the end of the day and keep them in a stand by mode while not in use.
- Keep copiers, printers and fax machines in stand by mode when not in use.
- Increase paperless communication through using digital media like website notice, Whats-app e-notice etc.
- Keep the windows and doors closed properly when AC is on
- Follow “Switch-off Drill” every week.
- Promote use of electric vehicle instead of ICE vehicle.
- Reuse wastage water from RO for gardening and vehicle washing purposes.

### Reference:

The AICTE Environment Policy 2020, THE ENERGY CONSERVATION ACT, 2001, were referred to draft this policy.

**Proposed & Developed  
by**



**Convener  
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