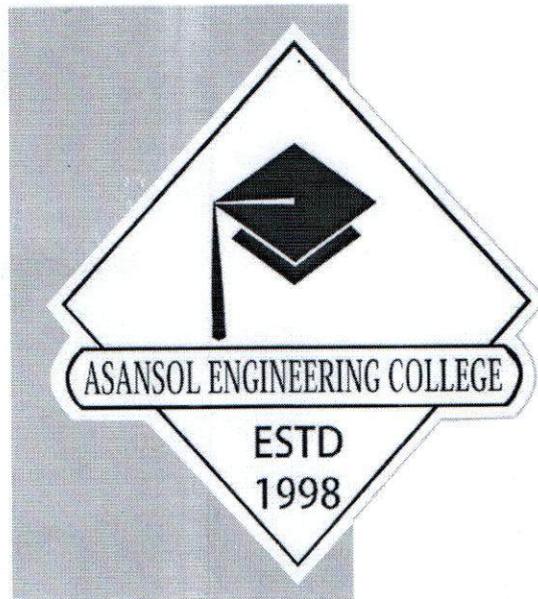


# Green campus initiatives

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**ASANSOL ENGINEERING COLLEGE**  
AFFILIATED BY MAULANA ABUL KALAM AZAD UNIVERSITY, KOLKATA  
APPROVED BY AICTE  
KANYAPUR, ASANSOL – 713 305

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## **ASANSOL ENGINEERING COLLEGE**

AICTE Approved; MAKAUT Affiliated; UGC (2f) Recognised  
Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

### **7.1.2.4**

# **Green Campus, Energy and Environment Policy**

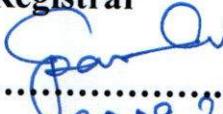
Approved By BOG

No. 597 Dated: 28.08.21

Under Agenda No. 59.7

## Green Campus, Energy and Environment Policy

(w.e.f. 2021-2022)

|             |  |  |
|-------------|--|--|
| Ref. Number | Compiled & checked by<br>Registrar<br><br>Sig.....<br>Date..... <u>30.08.21</u> | Approved by:<br>Principal<br><br>Sig.....<br>Date.. <u>30.08.21</u> |
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# Green Campus, Energy and Environment Policy

## Context

Students and employees of Asansol Engineering College are aware of the institution's long-standing link with nature. Sustainable projects have been at the center of all Institute activities since 1998. The Institute building occupies 8.9% of the lush 16.76-acre site, with the remaining space being used for playgrounds, lawns, gardens, ponds, and parking structures. A significant portion of the land is still used for natural habitation and is home to grassland, herbs, bushes, and trees.

## Scope of the Policy

The entire development of the students, including co-curricular and extracurricular activities that encourage students to step up and bring about good change, has been taken into consideration when formulating the Green Campus, Energy, and Environment Policy. Its green campus policy examines all administrative and infrastructure tasks in-depth from the angles of energy efficiency, sustainability, and the environment.

The focuses of this policy are:

- ✓ Clean Campus Initiatives
- ✓ Landscaping Initiatives
- ✓ Clean Air Initiatives
  - Smoking Free Campus
  - Plastic free Campus
- ✓ Infrastructure
  - Solar Power Plant
  - Solar Street Lights
  - Installation of Energy Efficient Equipment
  - Water Conservation through Rainwater Harvesting System and Ganga Action Plan
- ✓ Waste Management processes
  - Solid Waste Management
  - Liquid Waste Management
  - E-Waste Management
  
- ✓ Awareness Initiatives
- ✓ Green Audit
- ✓ Energy Audit
- ✓ Environment Audit

- To maintain and conserve the campus' ecosphere.
- To demonstrate responsible environmental resource usage for the benefit of present and future generations.
- To incorporate all environmental concerns into plans and programmes for institutional and social development.
- To occasionally carry out energy and environmental audits.
- To use power-efficient equipment to reduce power usage.
- To track the effectiveness of rainwater collection and other water conservation measures
- To continuously enhance the efficient use of all resources, such as water and energy, and to lessen the production of chemical waste or byproducts while recovering and recycling trash whenever practical.
- To eliminate plastic from campus.
- To reduce the usage of paper in administration by establishing an E-governance policy.
- To organize an awareness campaign including all relevant parties and the neighborhood by implementing sound practices that benefit the environment.

## **Policy:**

### **Clean Campus Initiatives**

In accordance with the Swachh Bharat Abhiyan, AEC has committed to coordinating cleanliness efforts among all stakeholders present in the Institute. The general outlook is as follows:

1. Launching frequent cleanliness efforts to create widespread awareness of the importance of cleanliness among locals as well as students, faculty, and staff.
2. The Institute's NSS and NCC unit will handle all community activity under the auspices of the "Swachh Bharat Abhiyan."
3. The Institute's staff members will be urged to take part in the cleanup effort both on and off campus.
4. It will be organized to properly disseminate events under the auspices of "Swachh Bharat" in the form of poster and slogan competitions, essay writing contests, etc.
5. Rallies in support of the "Swachh Bharat Abhiyan" may be held to raise general awareness.
6. Remove all forms of liquid and solid waste on a daily basis, and E-waste management should be implemented quickly from the Institute.
7. To educate students about energy saving and green energy, organize workshops.

### **Landscaping Initiatives**

One of the most important aspects of a green campus and a green environment is the campus landscape. Green campus landscapes contain surface water, clean, and cool air in the campus. Peaceful and calm nature should be embraced for the relaxation of the mind. The campus landscapes are intended to be visible and accessible, and this project can raise awareness among all. The landscape shows the stakeholder's commitment to sustainability.

The campus has a variety of trees and bushes in addition to 80% grass. The trees and plants provide the 2300+ students, faculty, and staff with cool, fresh air as well as a beautiful atmosphere.

The Institute pledges to enhance this beautiful natural setting by:

- Organizing an annual tree planting Programme, encouraging faculty and staff to participate in tree planting activities.

## **Clean Air Initiatives**

The management of the Institute encourages our students and employees to use public transit to reduce air pollution, a movement that controls air pollution by upholding harmony among coworkers. To limit outsiders' usage of private vehicles, the campus restricts the admittance of cars past a certain point.

- **Smoking Free Campus**

The Institute prohibits smoking and the use of other tobacco products in accordance with the National Tobacco Control Plan (NTCP) 2007-2008 guidelines. On campus, smoking is also not permitted. An internal complaint committee monitors compliance with the no-smoking policy.

## **Infrastructural Initiatives**

- **Renewable Sources of Energy**

AEC is committed to reducing and managing its use of power responsibly. The institute is committed to using clean energy sources like solar energy to replace electricity generated from non-renewable resources for tasks like lighting the campus.

- **Energy Saving and Energy Efficient Equipment**

We were required to install energy-saving electrical equipment and computers with LCD monitors to reduce waste and increase efficiencies.

- **Water Conservation through Rainwater Harvesting System**

The Institute's vicinity is submerged by ground water. In order to replenish the ground water label, AEC has committed itself to working on efforts to collect rainwater. This approach facilitates ground water recharge.

## **Waste Management Processes**

AEC is committed to minimizing its impact on the environment and to reducing and managing the trash produced by the campus. To assure AEC's involvement in environmental protection, the following particular actions will be implemented.

## • **Solid Waste Management**

The Institute will embrace strategies that will mitigate through the following methods in order to achieve its goal of offering comprehensive education that also has a positive influence on the environment: generation, and solid waste management

- Collaborate with scrap dealers and collect paper trash generated on campus.
- Support the digitization of attendance and internal assessment records to reduce the usage of paper.
- Update the institution library's collection of electronic books and journals to reduce the need for printed books.
- Encourage professors and students to submit assignments via email.
- Take action to educate children about the issue by
  - ✓ Non-biodegradable goods can be reused and recycled.
  - ✓ Organizing solid waste management workshops.

## • **E-Waste Management**

AEC makes sure that its technological use and production of E-waste have no negative effects on the environment. The institute intends to work towards:

- A memorandum of understanding with an outside agency to collect institutional electronic waste.
- Student awareness of e-waste reduction and environmentally appropriate e-waste disposal techniques.
- Promoting departmental and societal initiatives pertaining to the management of e-waste.

## **Environment-centric Activities**

All departments are urged by AEC to arrange activities, competitions, and training sessions that would result in beneficial environmental changes at the grassroots level, including NSS, Women's Cell, ECO Club, and Energy Conservation Cell. A third party will carry out an environmental audit to make the institute environmentally friendly.

### **Conduct Green Audit**

In order to advance our objectives of long-term sustainability, the Institute intends to regularly undertake a Green Audit of our institution campus to evaluate our strengths and weaknesses. In order to ascertain how and where the majority of energy or resources are being used, an external organization will conduct a green audit. The institute can then think about how to make adjustments and save money. It is able to quantify the quantity and kind of garbage. Plans for trash minimization or recycling can be adopted. It will raise awareness of health issues and advance environmental ethics and ideals.

### **Conduct Energy Audit**

Once a year, an outside organization will do an energy audit to calculate carbon footprints. The energy audit will find energy waste thanks to its specialist technologies. Also, the Institute's Energy Conservation Cell will track electricity usage year-round and implement suggestions as needed. Such an examination frequently identifies a number of flaws that result in considerable energy losses and indicate how to move towards renewable energy for a green campus.

### **Plastic-Free Campus**

Since its founding, AEC has been performing the majority of its obligations in terms of managing solid waste. The institute administration firmly prohibits the use of non-biodegradable plastics in its premises in order to turn it into a "Plastic Free Campus" in light of the Government of India's decision to outlaw all single-use plastics due to the harmful effects of plastic use and pollution.

Approved By BOG

No. 45th Dated: 07.07.2017

Under Agenda No. 10

**Green Campus, Energy and Environment Policy**

(w.e.f. 2017-2018)

| Ref. Number | Compiled & checked by   | Approved by:  |
|-------------|---|---|
|             | Registrar<br>Sig..... <i>[Signature]</i> .....<br>Date..... <u>11.07.17</u> ..... | Principal<br>Sig..... <i>[Signature]</i> .....<br>Date..... <u>11.07.17</u> ..... |

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