

The National Council of YMCAs of India



YMCA COLLEGE OF PHYSICAL EDUCATION



Nandanam, Chennai - 600 035

An Autonomous College Affiliated to the Tamil Nadu Physical Education and Sports University

A Project of National Council of YMCAs of India

Accredited by NAAC as "A" Grade College

**Recognized by National Council of Teacher Education and
Government of Tamilnadu**

College website:- <https://www.ymccollege.ac.in>



THE GREEN CAMPUS, ENERGY AND ENVIRONMENT POLICY

THE GREEN CAMPUS, ENERGY AND ENVIRONMENT POLICY

Introduction

The YMCA College of Physical Education envisions a clean and green campus where environmentally responsible behaviour and education work together to advance eco-friendly behaviour both on campus and off. The idea of a "green campus" presents the school with a chance to take the initiative in reinventing its environmental culture by fostering environmental ethics among the faculty and employees. The Institute also fosters a clean and green campus by encouraging faculty, staff, and students to adopt, put into practise, and spread eco-conscious behaviours throughout their communities.

The impact of humans on the environment is expanding, posing serious environmental problems. To reduce the negative impacts that human activity has on the ecosystem—effects that in turn change how we relate to the planet and to one another—unprecedented effort is needed. To make a significant shift, it will be required to include all methods of problem solutions.

YMCA Green Group (YGG)

With the mission of "taking little steps to save the big world" from environmental deterioration, the College's YMCA Green Group (environmental club) was founded on September 26, 2018. This day was set aside to spread the idea that protecting the environment is important for both the wellbeing of the earth and of humanity. Every year on September 26, people worldwide observe World Environment and Health Day. The International Federation of Environmental Health (IFEH) founded it in 2011 to draw attention to the significance of protecting environmental health. Therefore, the YMCA College of Physical Education chose this day to launch the Environment Club.

The YMCA Green Group fills this urgent need in the world by serving as an unrivalled centre for environmental education and innovation. The fact that this group has arisen with the goal of lowering YMCA members' carbon footprints is its special strength.

Vision of YGG

The mission of YGG is to educate the public and young students about various environmental issues, preserve the local environment and natural resources, and promote eco-friendly living.

Mission of YGG

- To educate children about the risks that endangers the environment.

- To make sure the pupils comprehend how each person has a duty to act to protect the environment.
- To encourage pupils to make modest environmental conservation efforts.

Objectives of YGG

- To motivate students to maintain a clean environment.
- To teach students how to raise public awareness.
- To help pupils comprehend the value of the environment and its areas of concern.

Functions of YGG

- To educate students about the need to use polluting products as little as possible
- To inspire pupils to use eco-friendly behaviours like using paper bags and conserving energy.
- To take the required actions to safeguard the environment.

Outcomes of YGG

- Students and instructors become aware of their individual responsibility to protect the environment.
- Hazards that are harming the environment are made more aware.

ENVIRONMENTAL POLICY OF THE COLLEGE

A college that prioritises excellence is YMCA College of Physical Education. With its green campus programmes, it safeguards its own environment and upholds a pollution-free, green, and clean campus. Its primary task with the campus's instructional policies is environment development.

The institution is committed to running its campus in a way that upholds its obligations to foster a sustainable environment. The following locations are where these duties can be demonstrated:

Solid waste management, e-waste management, liquid waste management, soil management, water body maintenance, paperless operating procedures, and a green and clean campus are all things to consider.

- Energy Use and Conservation

- Noise Pollution Control
- Air Pollution Control
- Restricting the Use of Automobiles
- Banning the Use of Single-Use Plastics on Campus
- Display Boards on College Campus
- Green Audit

Green Environment and Clean Campus

As stated in their handbooks, the students are given stringent orders to keep the campus tidy. On campus, there are several quotes that discuss the value of a clean, green environment.

A full-time gardener and sufficient support workers are hired to maintain the campus's cleanliness and greenness.

Solid Waste Management

The college makes a point of paying close attention to how much waste is produced on campus. As part of the Clean and Green Campus effort and Swachh Bharat campaign, solid trash is divided into biodegradable and non-biodegradable categories and given to Chennai Corporation of Urbaser Sumeet. Dustbins are available in every classroom and administrative block area for the disposal of dry waste. In order to keep the Campus clean and environmentally friendly, garbage is separated into dry and moist waste from the separately assigned dustbins.

The college's best practise for environmentally friendly disposal methods is the use of sanitary disposal equipment.

E -Waste Management

The issue of properly disposing of electronics is a side effect of their widespread use. The College is debating how to deal with the problem of electronic garbage, or e-waste, on campus in an efficient and economical manner. People routinely throw away things due to wear and tear, but technological improvements have sped up the increase of e-waste as students, staff, and administrators frequently upgrade to better devices. This increase has compelled college officials to thoroughly consider and address the proper disposal of these products on the entire campus.

The college uses the most cutting-edge and environmentally safe e-waste disposal techniques, including:

AMC is kept in place to routinely assess the efficiency of CPUs and Monitors, and professional recommendations are followed to remove them from the market. CPUs, hard drives, and laboratory equipment scrap are all periodically shipped to the market for sale. To properly dispose of E-waste, the university has a contract with an accredited E-Waste Management and Disposal facility. Departments dispose of working computers, printers, and other equipment that is then sold as scrap. Printer cartridges are replaced away from the college campus. The suppliers repair and recharge UPS batteries. The systems have been upgraded for a fair price.

Liquid Waste Management

Water is the most crucial component for the continuation of life, second only to air. Water is a limited resource that, if mismanaged, will lead to shortages in the near future. Conserving water can significantly reduce these impending shortages.

Students are informed that saving water is the same as saving their future. One of the best practises used at YMCA College is drinking water straight from the faucet and filling water bottles as needed. There are no permitted disposable bottles.

In-home plumbers respond quickly to address leaks and water wasting.

Soil Management

The college has established a vermicomposting culture; manure is produced as a result of this procedure. The primary advantages of this technique are cost savings and the reduction of environmental waste. This culture's major goal is to comprehend the advantages of composting and organic farming.

Solid trash from the hostels' and canteen's leftover food is processed and turned into bio gas. The institution is able to install a bio gas plant in the dormitory. Using this method, we are able to produce gas, which is then utilised for cooking.

Maintenance of Water Bodies

The institution strives to offer students the greatest services available in all areas, including educational facilities, infrastructure, and essentials like water. The institution relies on ground water to operate. There are 12 wells, 12 bore wells, and corporation water that is delivered every other day. The institution has an excellent supply of drinking water, cleaning water, and groundwater. Additionally, drinking water is purified and separated from waste water in the Institution hostels (both male and female). This waste water is used for cleaning and hand washing. Each hostel has its own water tank, as do the administrative buildings. The campus includes 15 water tanks and 6 sump pumps placed throughout to suit the needs of the staff

and students. The College has rainwater gathering pits that work well during the rainy season in addition to the ground water and corporation water.

Water holding tanks must be cleaned and disinfected at least once a month, or more frequently as needed. This is done to get rid of microorganisms that might be hazardous, silt, and algae (plant growth that generates unpleasant tastes and odours). The YMCA College uses the following cleaning techniques:

1. Fill up the tank.
2. To get dirt and grime from the interior walls, scrub or pressure washes them.
3. Clean the tank.
4. Combine water and household bleach to create a solution.
5. Use this solution to scrub or pressure wash the tank's inside walls, and then let it sit for two hours.
6. Thoroughly rinse the tank with fresh water after two hours.
7. Top off with drinkable water.

Water filters are frequently changed to supply the faculty and employees with clean drinking water.

Water Conservation and Management

The institution is situated in the heart of the city, Nandanam and known for acute water shortage. As a result, the college carefully preserves rainwater for use in the future because it understands the significance of every drop of water. The college has therefore installed a rainwater collection system. Rainwater is gathered and stored for later use. For subsequent usage, the collected water is sent to a deep pit of a bore-well. Even groundwater is used to irrigate the plants. Despite having the most pupils, the college never has a water shortage, not even in the summer. Despite the fact that rainwater harvesting is becoming more and more popular as a sustainable water conservation technology, our college has developed a successful strategy with numerous pits where we gather rainwater for storage.

Paperless Operating Procedure

In order to create a workplace where paper is either completely absent or used in a very minimal capacity, YMCA College is working towards a paperless office. This is accomplished through the digitization process, which involves transforming papers and other objects into digital form. The YMCA is of the opinion that "going paperless" can save money, increase productivity, free up space, facilitate information sharing and documentation, maintain the security of personal data, and benefit the environment.

Numerous steps are done to reduce the use of paper. Automation and digitization are used whenever possible, which has reduced the amount of paper used. One such measure is document digital storage. In large part, institutional data is housed digitally. Instead than using paper for communication, the staff and students communicate more frequently using technology. The use of public address systems decreases the consumption of paper in notifications and circulars, and WhatsApp class-based, specialty-based, committee-based, teaching and non-teaching groups encourage electronic communication.

The college has also implemented a "Learning Management System" that allows references, notes, syllabus question banks, and study material to be stored and shared on an e-platform, reducing the amount of paper used in the classroom. The teachers have also experimented with other skill-based examinations, such as presentations, group discussions, and others, as alternatives to paper-based testing.

Landscaping with Trees and Plants

On the college campus, YGG organises a tree planting programme every year. The drive for tree planting on and off campus is passionately started and carried out by students and employees. Students become aware of the benefits of tree planting for an eco-friendly environment through environmental promotion activities carried out in partnership with illustrious collaborators. World Environment Health Day is observed by the college every year on September 26. The plantation programme involves the extensive planting of several wild plant species as well as various attractive and therapeutic plant varieties. By increasing the oxygen levels on campus, this programme fosters an environmentally friendly atmosphere.

Energy Use and Conservation

A) **Use of LED Bulbs in Colleges:** To save energy, LED bulbs are used in the Principal's Office, Office of IQAC, Administrative Office, Library, Guest Rooms, Hostels, Roads, Labs, COE Office, and all classrooms.

B) **Conducting an energy audit:** Every academic year, the college conducts an energy audit of its electricity usage. Finding effective energy-saving techniques and determining the extent of energy usage are the goals of this audit.

Noise Pollution Management

A) **Silence zones in the college:** Several notice boards promoting silence in the college have been put up in the library and other locations.

B) **Noise control in the college:** The College security guards ensure that there is no noise made by students, staff and the general public when they enter and exit the building.

C) **No pressure horns for vehicles:** Students, the general public, and members of our staff are asked to refrain from using pressure horns.

Air Pollution Management

A) **Constant Environmental Awareness Programmes for Staff, Students, and the Community:** The College regularly hosts environmental awareness programmes for staff, students, and the community. On a variety of concerns relating to the environment and health, rallies and other environmental awareness initiatives are held.

B) **Implementation of an oxygen park and the planting of oxygen-rich plants:** The College has a stunning, verdant campus. The site serves as Oxygen Park thanks to a variety of therapeutic plants and mature trees.

C) **"No Smoking, No Tobacco" on College Territory:** Consuming tobacco and tobacco products is a criminal infraction, and it is completely forbidden on College property. Students and staff members are both given instructions in this regard. The boards can be seen around the college in various locations.

Restricted Use of Automobiles

Patterns of parking and driving around campus have significant effects on campus life and the environment at large. While it seems like a relatively small issue in the context of the operations of the College, reducing driving behavior fits within many of the other initiatives that the College has set forth to achieve, such as the Sustainability Initiative and creating well-rounded citizens of the community at-large. Currently, the College is beginning to monitor its carbon footprint and focus on a more environmentally sustainable campus, which is in conflict with the increasing number of cars and parking lots on campus. So YMCA has adopted restricted use of automobiles entry through its clearly laid out parking policy.

Ban on Single-use Plastics on the Campus

In a quest to create a more hygienic and plastic-free campus, YMCA College has been continuously implementing practises and updating its regulations.

An announcement on the implementation of a ban on single-use plastics on campus was made by our college to the students and general public.

The institution requires everyone to refrain from bringing non-biodegradable plastic products to the institution, including plastic bags, cups, plates, tiny drinking water bottles, straws, and sachets, through the YGG Club's awareness-raising campaigns on the detrimental effects of single-use plastics. on order to systematically reduce the use of plastics on campus, the university provides environmentally friendly alternatives like stainless steel, washable, and

reusable tumblers at all water units and requires the canteen to serve exclusively on paper plates and paper cups.

The YMCA Green Group Environmental Club also exhorts the children to make their homes plastic-free by educating their families about the negative impacts of plastics.

Display Boards on College Campus

For the benefit of every entity involved, various boards promoting environmental awareness and ethics, noise control, tobacco-free campuses, energy conservation, resource recycling, tree planting, etc. are on display.

Green Audit

The YMCA College adopted the "Green Campus" strategy for environmental preservation and sustainability as part of its commitment to fostering "an environment of educational excellence." In accordance with the relevant laws, rules, and standards, the College undertakes a Green Audit each year to determine, quantify, describe, and prioritise a framework of environmental sustainability. For the upkeep of a spotless and green campus, full-time employees and a gardener have been appointed.

With the goal of creating a clean and green campus, these methods are implemented into the institutional planning and budgeting procedures. The institution is committed to making the required efforts to involve the students, professors, and staff in "Green Campus Initiatives" by appointing volunteers and staff in-charge to organise rallies, run with green campus initiative slogan specially prepared for the purpose.

**Save a planet, save a tree, in the end
it'll save you and me!**