



MUGBERIA GANGADHAR MAHAVIDYALAYA

P.O.—BHUPATINAGAR, Dist.—PURBA MEDINIPUR, PIN.—721425, WEST BENGAL, INDIA

NAAC Re-Accredited B+Level Govt. aided College

CPE (Under UGC XII Plan) & NCTE Approved Institutions

DBT Star College Scheme Award Recipient

E-mail : mugberia_college@rediffmail.com // www.mugberiagangadharmahavidyalaya.ac.in

7.1.3: Quality audits on environment and energy regularly undertaken by the Institution.



Policy document on environment and energy usage

Certificate from the auditing agency

Documents attached:

- 1. Green Environment Policy document by the Auditing Agency (Tropical Institute of Earth and Environmental Research)**
- 2. Green Environment Policy document by the college (2019-2023)**
- 3. Environmental Cell and Green Club Initiative Policy Document (2020-2021)**



TROPICAL INSTITUTE OF EARTH AND ENVIRONMENTAL RESEARCH (TIEER)

Reg. No.-S/1L/42578 of 2006-2007.

Website: www.tieermid.in

Registered Address-M10, Bidhannagar, Medinipur-721101, West Bengal, India. Office Address- P-61, Saratpally, Medinipur.

Mail Id.:ticer2007@ gmail.comCorresponding Address: 47/7, Deerpark Road, Kadamkaran, Jhargram,Pin:721507.

Working Office: Ghoradhara, Jhargram, WB . Mobile No. : 9733574640/ 8637052083/ 8116376882

Policy Document on the Green Campus/Plastic free campus

An organisation can redefine its environmental culture and save the ecosystem by taking the lead with the green campus concept. The Green Campus and Environment Policy will create innovative new extracurricular and co-curricular activities that motivate staff and students to take the initiative in bringing about positive change. With its green campus activities and commitment to maintaining a clean and pollution-free campus, Mugberia Gangadhar Mahavidyalaya , Purba Medinipu, West Bengal, is environmentally concerned.

Main focus areas for Green Campus Policy are:

1. Green and Clean campus Initiatives
2. Landscaping Initiatives with trees and plants
3. Clean Air Initiatives
4. Infrastructure
5. Waste Management Processes and Progresses
6. Environment Conservation Centric Awareness Activities
7. Green & Environmental Audit
8. Energy Audit

Objectives of the Policy:

- To preserve and conserve ecological systems and resources within the campus.
- To make sure that natural resources are used effectively in order to fulfil the demands and goals of both the present and future generation.
- To integrate environmental concerns into policies, plans and programs for social development.
- To make the campus plastic free.
- To conduct Green, Environmental and Energy audit.



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- 1. Green and Clean campus Initiatives:** College has pledged to aggressively coordinate cleaning initiatives both on and off campus in compliance with the Swachh Bharat Abhiyan. For the upkeep of a clean, litter-free campus, a gardener and sufficient full-time support workers are assigned. These initiatives include:

- Generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives under Nature Club.
- Activities under 'Swachh Bharat Abhiyan' is a key component of all the community works being done by NSS
- Teaching faculties and staff members are encouraged to participate in the cleanliness drives.
- Commit to manage waste and maintain clean campus especially during college events.
- Conduct various Environment awareness days and tree plantation program by Nature Club and NSS.

- 2. Landscaping Initiatives with trees and plants**

An essential component of any college campus is its sustainable infrastructure, which offers areas for learning, recreation, outdoor activities, leisure, and aesthetic enjoyment. Clean, cool air, and Reuse and Recycle of surface water are further benefits of the campus's green spaces. Along with grass, the campus is home to a variety of trees, shrubs, and medicinal plants. Many insects and bird species call the college's green spaces home.

- 3. Clean Air Initiatives**

Students and employees are encouraged by the college to take public transit. Furthermore promote carpooling, as this reduces air pollution and improves social contact. The college has been strongly maintaining the Indoor air Quality and Outdoor quality . The campus's air is purified by the abundance of nature.

- 4. Infrastructure**

- **Grid connected PV Solar System for the campus:** The college believes in reducing the consumption of electricity by utilizing grid connected PV Solar system with net metering. These panels are installed on rooftop of the Administrative office.
- **Installation of Energy efficient equipment:** The College pledges to install energy-efficient appliances that minimise energy waste and are kind to the environment. LEDs have mostly taken the place of tube lights and lamps in classrooms in order to reduce energy usage.



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- **Water Conservation through Rain Water Harvesting System and Recycle of Surface water:** College has committed to reduce the use of groundwater by practicing rainwater harvesting and recharge of surface water bodies. Then, the surface water has been purifying by recycle of water through the chemical treatment for drinking purpose.

5. Waste Management Processes:

- Reduce waste production on campus.
- Follow Eco friendly practices in daily activities and programs.
- Reduce usage of paper by encouraging techno-centric teaching and administrative model.

6. Environment Centric Awareness Activities:

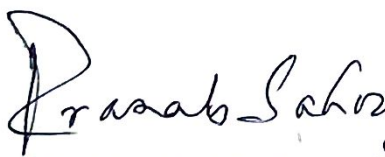
College encourages awareness programs, plantation program, and Cleanliness drive in and beyond the campus, Celebration of Various Environmental days .

7. Green & Environmental Audit

The college wants to perform a Green Audit & Environmental in order to evaluate its long-term sustainability's advantages and disadvantages. Finding out where and how most energy or water resources are being used is possible with the help of a green audit.

8. Energy Audit

An Energy Audit is carried out to reduce carbon foot print. The energy audit, with its specialized tools will identify wastage of energy. Such an inspection often reveals several different flaws which cause a loss of significant amounts of energy which the college will not be able to detect. These flaws often have easy and affordable solutions and provide significant savings.


(Dr. Pranab Sahoo) 30.6.23 .

Asst. professor & Secretary,

Tropical Institute of Earth and Environmental Research (TIEER)

Secretary
Tropical Institute of Earth
& Environmental Research
Reg. No. - S / 1L / 42578






MUGBERIA GANGADHAR MAHAVIDYALAYA

ESTD.—1964

P. O.—BHUPATINAGAR ☐ Dist.—PURBA MEDINIPUR

S. T. D. Code—03220  Ph. No.—270236, Pin.—721425 (W. B.).

Ref. No.—M. G. M. / / /

Dated.....

From : The Principal / Secretary,

7.1.3 Policy document on environment (2019-23)

Mugberia Gangadhar Mahavidyalaya, one of the leading colleges in Purba Medinipur district has always taken a Green Agenda. It has shown remarkable awareness in maintaining an eco-friendly campus. On visiting the Campus, one can experience the lush green environment conducive for teaching-learning process.

INSTITUTIONAL INITIATIVES RESTRICTED ENTRY OF AUTOMOBILES:

The institute encourages the staff and students to use the eco-friendly transport like bicycles, especially to the students who commute a short distance to come to college from the adjacent areas. Also, this helps in their safety, security, fuel conservation and to reduce environmental pollution. The vehicles owned by faculty or students with pollution check stickers are permitted into the campus. For two wheelers or four wheelers, security measures are mandatory. Institution also mandated “No Vehicle” (four wheelers/two wheelers) in the campus weekly in a day.

USE OF BICYCLES:

Students and staff coming from nearby areas also prefer bicycle as a mode of transport for attending the college. It is environment friendly and prevents pollution

PEDESTRIAN FRIENDLY PATHWAYS:

Vehicle parking space is provided at the main entrance of the college campus. As the campus is vehicle free with some exceptions, students and staff experience comfort walking through the pedestrian friendly pathways. The internal roads are lined with trees and they are properly maintained by the campus maintenance committee.

BAN ON USE OF PLASTIC:

Single-use plastic items such as plastic bottles, bags, spoons, straws and cups are banned and awareness is created among staff and students through orientation and display boards in the premises. To restrict the use of plastic, measures have been taken to replace plastic tea cups and glasses with steel glasses in the canteen. The staff and students are informed to use steel or copper water bottles instead of plastic bottles.

Plantation in a regular manner in the campus is another novel practice as part of green campus initiatives. Besides, on the occasion of Aranya Sptaha Observation in every year, the college planted saplings inside the campus and distributed saplings to the students for the plantation in their home.

7.1.3 The Institution has facilities for alternate sources of energy and energy conservation measures:

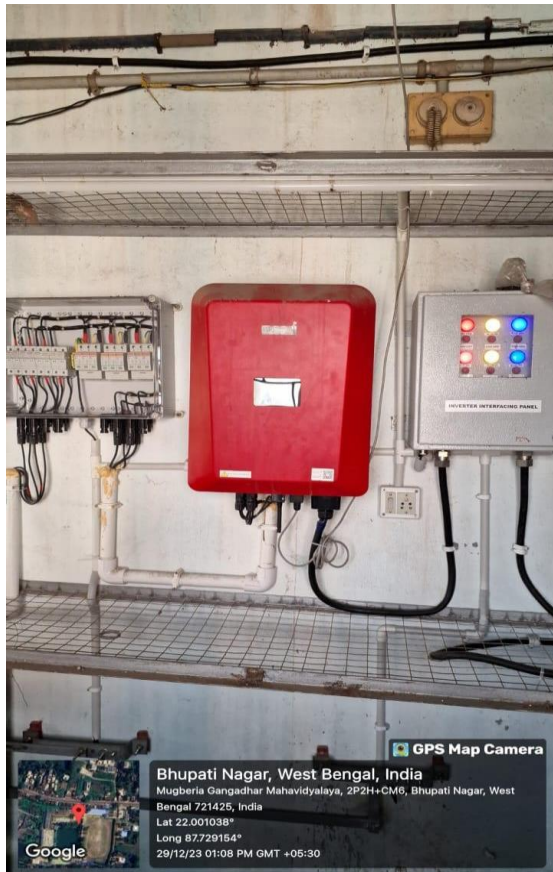
Mugberia Gangadhar Mahavidyalaya is keenly dedicated to the effective of energy conservation within the campus. The institute implements the following measures to that end.

Energy and Energy Conservation Measures

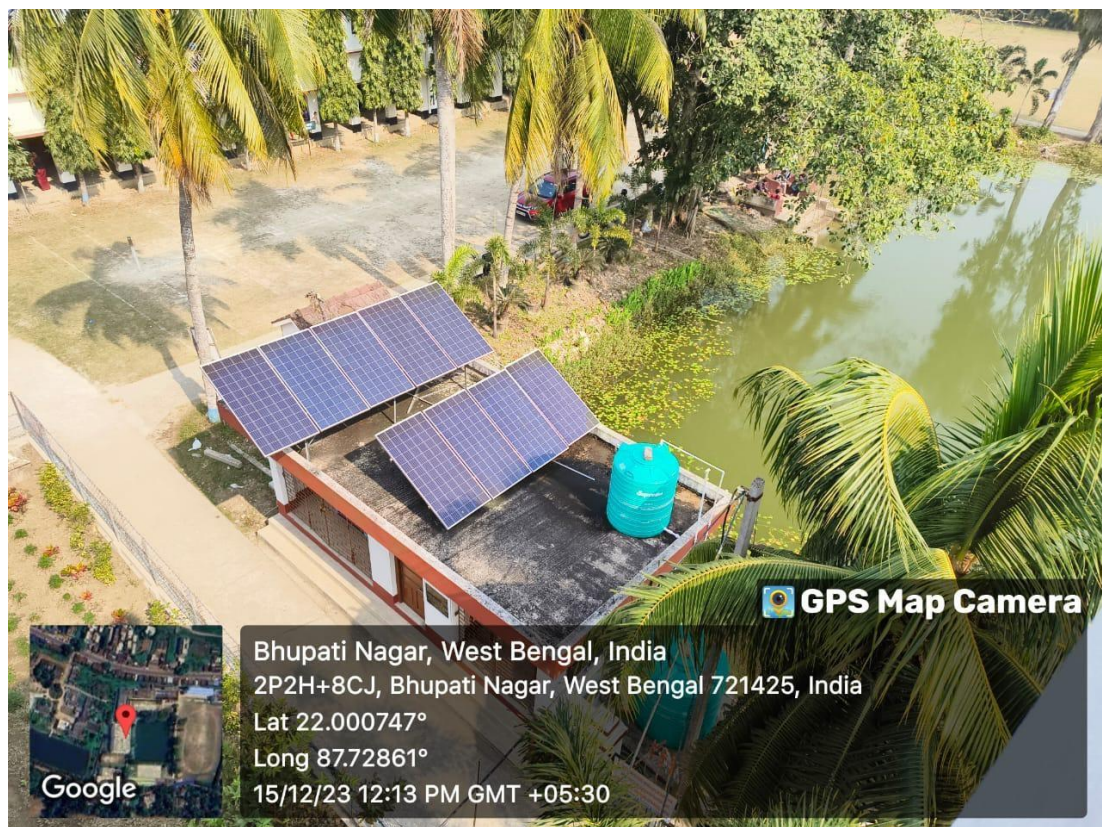
- ✓ An annual energy audit is conducted.
- ✓ Introduction of LED Lights in every building and street in the campus for energy conservation.
- ✓ Lights, computers, and other equipment are turned off religiously when not in use.
- ✓ Installation of Solar Panels in hostels and some buildings of the campus
- ✓ Introduction of Wheeling to the Grid to conserve energy



INTRODUCTION OF LED LIGHTS ALL OVER THE COLLEGE CAMPUS



INTRODUCTION OF WHEELING TO THE GRID



INSTALLATION OF SOLAR PANEL IN 2018



INSTALLATION OF SOLAR PANEL IN 2018

Sonim
02.01.2024
Principal
Mugberia Gangadhar Mahavidyalaya



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Dated.....

From : The Principal / Secretary,

ENVIRONMENTAL CELL & GREEN CLUB INITIATIVE POLICY DOCUMENT 2020-2021

**Mugberia Gangadhar Mahavidyalaya
NAAC Accredited B+ & NCTE Approved Institution
College with Potential for Excellence (CPE) UGC 12th Plan
DBT Star College Award Scheme Recipient**

7.1.5 GREEN CAMPUS INITIATIVES – POLICY AND DOCUMENTS

GREEN POLICY

MUGBERIA GANGADHAR MAHAVIDYALAYA GREEN POLICY: “A CLEAN AND GREEN CAMPUS”

Mugberia Gangadhar Mahavidyalaya has taken its green policy under the banner “ A Clean and Green Campus”, the same has been coined long before by Prof. K.C Mathur, the chairman of the NAAC PEER Team in the year 2007. This initiative was taken into consideration to create a complete green, clean and sustainable environment inside the college campus, vis-à-vis to inspire the students, teachers, non-teaching staff, alumni and all others stakeholders to maintained the campus environment friendly.

The following objectives are being made mandatory for all the stakeholders for complete hygiene inside the campus to maintained “Clean & Green campus”

Objectives:

1. To preserve and protect the mixed old trees and biodiversity in the college campus
2. To enrich the greenery in the campus by promoting annual tree plantation activities
3. To sensitize the staff and the students on environment issues eco-friendly life style
4. To promote “Zero Waste Lifestyle” through “Recycle and Reuse” Practice
5. To encourage “Zero Discharge Commitment” through “Reduce” Practice
6. To implement effective waste management measures
7. To establish a complete “Plastic Free Zone”
8. To maintain ecological balance by protecting water bodies

9. To discourage use of harmful pesticides in the locality and more use of compost manure for better health

10. To practice environmental friendly activities outside the college campus by adapting nearby villages

Measures

Preserving and Protecting Green Cover

The campus of Mugberia Gangadhar Mahavidyalaya stretches over 4.59 Acrs. of land with a eye catching greenery. It has a vast area fully covered with fruit bearing trees and others flowering species. The campus also have a large grassy play ground and a pond which plays the vital role in the green initiative of the college. Since its inception, the college has always care and protect the natural flora & fauna inside the campus. It is almost a symbiotic relationship between the nature and the college that sustain over a long period of time. The institution by obeying its environmental policy, never fell a tree for a mere development initiative, it always plays responsible role towards environment. Therefore no one is allowed to cut or fell trees for any purposes.

Maintenance the Greenery, Proper use of waste/ disposal in the Campus and Green Audit

Annual green audit has been undertaken by the college with the help of the Geography Department not only to maintain landscape, ensure protection of trees and promote tree plantation activities but also to assess overall environmental practices inside the college. A group of students have been given the duty to perform in the survey and data collection. They perform well and make a report on the basis of available resource use on each day basis and submitted to the IQAC and Principal for further clarification. The report was placed in the Governing Body

for policy making. Therefore all the stakeholders are advice to practice healthy activity and sensible towards nature so that the green audit report on various environmental parameters could be justified.

Environmental Cell of the college involve in sapling plantation throughout the year. Special drive has been taken usually in 22nd April & 5th of June on the occasion of Earth Day & World Environment Day consecutively with the help of Forest Department Govt. of West Bengal. Now, all the students, teachers, non-teaching staffs and other stakeholders are requested to present in the college to celebrate plantation.

For sensitizing the staff and the stakeholders regarding the environment, college authority regularly monitors on the following objectives



1. Regular plantation programme inside the campus with the help of the forest department.
2. The college regulates the use of energy consumption inside the college : To ensure the the practice of minimum energy consumption inside the college, the authority has installed 02 solar panels.
3. Proper waste disposal measures: Two waste bin namely **biodegradable waste** and **Non-biodegradable waste** had been placed in different corner in the campus as well as in the hostels for proper waste disposal, Chemical disposals/ solid and liquid wastes are maintained by the Chemistry department. The e-waste usually dumped in a particular location for proper disposal.
4. Solid wastes defined as “ any discarded material that is abandoned by being disposed of, burned or incinerated, recycled or considered "waste-like.” Solid wastes are typically of two types, a) food &

kitchen wastes which are bio-degradable in nature and the other solid wastes are b) metals, papers, cloths and other construction materials etc. The biodegradable solid wastes are used in the Vermi composting centre and the other solid wastes were separately sold or use during monsoon.

5. The Pandemic year brought several changes in our lives, it not only brought minimal paper uses for us but also exposed to more and more use of electronic gadgets. The use of printers inside the college has been replaced by the use of emails, whatsapp and other ICT apps. Most of the activity are now done by using Mobile phone for e-communication, e circulars, question papers, seminar presentations are done through apps and virtual platform. Therefore it is to be noted that all the academic and non-academic purposes teachers, students, non teaching staffs are requested to minimize the use of papers for green campus initiative.

6. Regarding use of plastic, we do discourage the use of plastic inside the campus. Almost all the season we use mud pot for drinking purpose. Plastic bags, Soft drinks bottles, single use plastics are prohibited inside the campus.

Outreach Programmes on environment :

The College has extended its environmental activities through various practices. The college has adopted two villages nearby for general upliftment of the livelihood of the local people. The NSS units of the college significantly contributed different environmental activities and awareness programmes with the help of the local Panchayat. They planted trees, and campaign on how to live with proper hygiene. Besides these, certificate course on Vermi Compost is another measure launched by the college to combat with the harmful effects of the chemical pesticides. Seminars on various topics related to environment are conducted frequently to ensure the green practice inside the college.

Swachhata Pakhwara /Swachha Bharat Abhiyan was one of the important activities that has been performed to protect environment. Large number of students and teachers participated in these programmes to promote the awareness regarding the adoption of zero waste lifestyle. Cleaning of campus and nearby hospital wastes are the major area where Swachhata Pakhwara Programme were launched.

Green initiative pictures



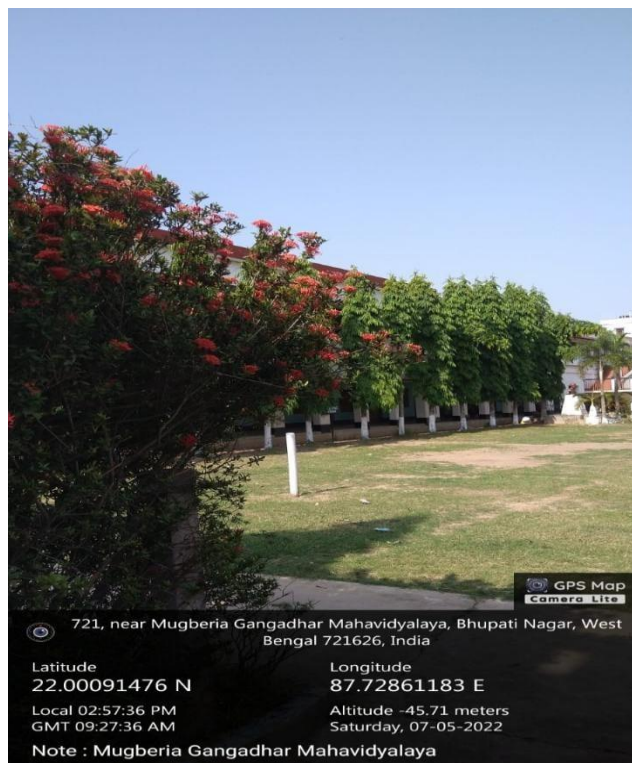
Swachhata Abhiyan : Say no to Plastic Campaign



Swachhata Abhiyan : Say no to Plastic Campaign

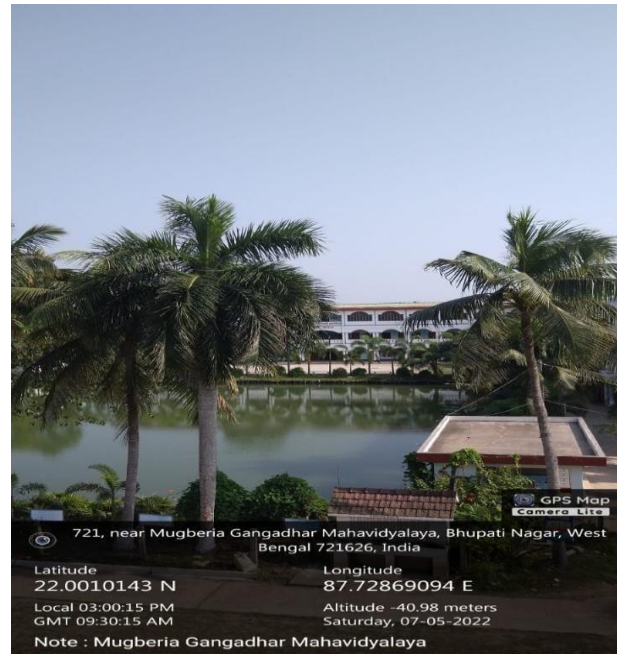


Use of Mud pots instead of Plastic bottles for drinking purpose



The landscape of the college, lush greeneries

Pond



The landscape of the college, lush greeneries



Alternative energy sources



Clean and Green campus

Solar Panel





ভারত সরকার / Government of India
মহাত্মা গান্ধী রাষ্ট্রীয় গ্রামীণ শিক্ষা পরিষদ / Mahatma Gandhi National Council of Rural Education
উচ্চ শিক্ষা বিভাগ / Department of Higher Education
শিক্ষা মন্ত্রালয় / Ministry of Education




District Green Champion Certificate


This is to certify that Mugberia Gangadhar Mahavidyalaya is hereby recognized as District Green Champion for Purba Medinipur District for the Academic Year 2020-21. The Institution has successfully set up the Swachhta Action Plan Committee, adopted and implemented best practices in the areas of Sanitation, Hygiene, Waste Management, Water Management, Energy Management and Greenery Management.

This certificate is given in the presence of Prof. (Dr.) Ashis Kumar Panigrahi, Pro-Vice-Chancellor, The University of Burdwan, West Bengal.

AUGUST 2021


Dr W G Prasanna Kumar
Chairman
MGNCRE, Ministry of Education
Government of India

One district one Green Champion
Award for Purba Medinipur District by
MGNCRE -2020-21


Principal
Mugberia Gangadhar Mahavidyalaya



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Dated.....

From : The Principal / Secretary,

Green Campus and Environmental Sustainability Policy

2022-2023

At Mugberia Gangadhar Mahavidyalaya, we recognize the importance of environmental sustainability and our responsibility to minimize our ecological footprint. As an educational institution, we are committed to fostering a culture of environmental stewardship and implementing initiatives to create a green campus. This policy outlines our present and future initiatives aimed at promoting environmental sustainability within our campus community.

Guiding Principles:

Our green campus and environmental sustainability initiatives are guided by the following principles:

a. Reduce, Reuse, Recycle: We prioritize waste reduction, reuse of materials, and recycling programs to minimize the generation of waste and promote a circular economy.

b. Energy Efficiency: We strive to minimize energy consumption, increase energy efficiency, and promote the use of renewable energy sources to reduce our carbon footprint.

c. Conservation of Resources: We aim to conserve natural resources such as water, land, and biodiversity by implementing sustainable practices and adopting eco-friendly technologies.

d. Education and Engagement: We are committed to educating our campus community about environmental issues and encouraging active participation in

sustainability initiatives.

e. Collaboration and Partnerships: We collaborate with internal and external stakeholders, including students, faculty, staff, local communities, and environmental organizations, to enhance our sustainability efforts.

Present Initiatives:

As of the date of this policy, the following initiatives are in place to promote environmental sustainability on our campus:

a. Recycling Program: We have established a comprehensive recycling program to collect and recycle paper, plastics, glass, and other recyclable materials across campus.

b. Energy Conservation Measures: We have implemented energy-saving measures such as LED lighting, energy-efficient appliances, and smart building technologies to reduce energy consumption.

c. Sustainable Transportation: We encourage the use of public transportation, cycling, and carpooling through incentives such as discounted transit passes and designated bike lanes.

d. Waste Management: We have implemented waste management practices including waste segregation, composting of organic waste, and proper disposal of hazardous materials to minimize landfill waste and promote resource recovery.

e. Solar Panels: We have installed solar panels on campus buildings to harness renewable energy and reduce our reliance on fossil fuels.

Future Initiatives:

In addition to our present initiatives, we are committed to implementing the following initiatives to further advance our green campus and environmental sustainability goals:

a. Renewable Energy Projects: We will explore opportunities to invest in additional renewable energy projects, such as expanding solar panel installations and exploring wind energy options, to further reduce our carbon footprint.

b. Zero Waste Initiative: We aim to achieve zero waste to landfill by implementing waste reduction strategies, enhancing composting facilities, and partnering with local organizations for waste diversion initiatives.

c. Sustainable Procurement: We will continue to prioritize the procurement of environmentally friendly products and services, including recycled materials, eco-labeled products, and energy-efficient equipment.

d. Green Building Standards: We will continue to adhere to green building standards and certifications, such as LEED (Leadership in Energy and Environmental Design), for new construction and renovations to minimize environmental impact and maximize resource efficiency.

e. Carbon Neutrality Commitment: We will develop a comprehensive plan to measure, reduce, and offset our carbon emissions, with the ultimate goal of achieving carbon neutrality.

Monitoring and Reporting:

We will regularly monitor and evaluate the effectiveness of our green campus and environmental sustainability initiatives through key performance indicators and metrics, such as energy consumption, waste diversion rates, and greenhouse gas emissions. Progress reports will be shared with the campus community and stakeholders to ensure transparency and accountability.

At Mugberia Gangadhar Mahavidyalaya, we are committed to building a sustainable future for current and future generations. By implementing these initiatives and fostering a culture of environmental stewardship, we will continue to lead by example and make a positive impact on our campus, our community, and the planet.

Dr. Swapan Kumar Misra

Principal

Mugberia Gangadhar Mahavidyalaya

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Dr. Swapan Kumar Misra 8.02.2024

Principal

Mugberia Gangadhar Mahavidyalaya

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