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BUNIADPUR MAHAVIDYALAYA

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Dakshin Dinajpur, West Bengal, India- 733 121.
(*Affiliated to the University of Gour Banga*)

Reference: Date:

POLICY DOCUMENT ON ENVIRONMENT AND ENERGY USAGE

The Eco Club of Buniadpur Mahavidyalaya took the initiative to frame the policy related to environment conservation. Subsequently, it was forwarded to the Governing Body of Buniadpur Mahavidyalaya where it was approved with immediate effect from the session 2017-18 (vide resolution no. BM/IQAC/ 01 /2017-18, dated 10/04/2017)

The policy encompasses the following points

- **Plantation of trees & plants**: The college, with all its stakeholders should invariably plant as many plants as possible, both within the campus as well as in the surrounding areas or so necessary, so that in the long run, the entire area comes under green cover. Trees can help reduce climate change by absorbing carbon dioxide and other harmful gases from the atmosphere. They can also improve air quality and help cool down streets. Trees can also help with water management by soaking up water and allowing it to penetrate the soil more quickly, which can reduce surface runoff and increase water storage. Tree roots can also help prevent soil erosion and improve soil fertility. Trees can also provide habitats for wildlife and help boost biodiversity.

- **Cleaning campus on a regular basis and proper waste management:** Cleaned campus & effective waste management on college campuses is crucial not only for environmental sustainability but also for fostering a responsible and conscientious community. With thousands of students, faculty, and staff congregating daily, colleges generate substantial amounts of waste that must be managed efficiently to minimize environmental impact and promote a cleaner, healthier campus environment.

  One of the primary goals of waste management on college campuses is to reduce the amount of waste produced in the first place. This can be achieved through initiatives such as promoting the use of reusable items like water bottles and coffee cups, encouraging digital rather than paper communications, and implementing policies that discourage single-use plastics and other non-recyclable materials.

- **Observance of 'Environment Day':** Observing World Environment Day serves as a vital reminder of our responsibility towards the planet and underscores the urgent need for collective action to safeguard our environment. This annual event celebrated on June 5th, carries several crucial needs and benefits and also raises awareness. It prompts individuals, communities, and governments worldwide to focus on pressing environmental issues such as climate change, biodiversity loss, pollution, and deforestation. By highlighting these challenges, Environment Day educates and empowers people to take informed actions to protect and conserve the environment. It serves as a powerful annual reminder of our duty to protect and preserve the planet, encouraging individuals and communities worldwide to take meaningful actions towards a more sustainable and resilient future. Meanwhile, we shouldn't forget to promote among the people following initiatives:

    - Motivating the society to take part in green initiatives.
    - Preparing & maintaining herbal garden, kitchen/vegetable garden, orchard, butterfly garden (to promote bio-diversity).
    - Reducing the usage of plastic and earmarking the campus as a 'No Smoking Zone'.

  Not only these initiatives but also many other things that are not possible to describe in a single line, like

- **Rainwater harvesting**- Buniadpur Mahavidyalaya has in place a functional rainwater harvesting system, which collects rainwater from rain-down pipes attached to the roof of the college building.

- **Fish-Pond (to promote bio-diversity):** Buniadpur Mahavidyalaya has a huge green campus & adequate places for this, in the future, we are planning to do this project under the effective broaden project.

- **Motivating all stakeholders to adopt green initiatives**: Motivating all stakeholders to adopt green initiatives, such as opting for bicycles and electric vehicles over traditional motorcycles and cars that emit pollutants. This can include creating incentives for using public transportation, implementing bike-sharing programs, and supporting the development and use of renewable energy sources. By encouraging sustainable practices and providing the necessary infrastructure, we aim to reduce our environmental footprint and promote a healthier, more sustainable community.

- **Engaging Alumni in Green initiatives**- Bunidapur Mahavidyalaya plans to utilize the Alumni Association's active participation and presence to prepare and maintain a Herbal Garden, mainly having medicinal plants of local origin.

- **Environment awareness initiatives through various activities**: Collaborating with the NSS Unit and NCC Coy. Of Buniadpur Mahavidyalaya, the institution will strive to organize drives for creating environmental awareness through outreach & sensitization programs.

- **Use of power-efficient devices to minimize the impact of fossil fuels**: The campus will gradually phase out all power-hungry appliances and opt for power-saver units to minimize power consumption, thereby contributing towards an eco-friendly & green campus.

  In an era where the effects of climate change are becoming increasingly evident, the transition to power-efficient devices has emerged as a critical strategy to minimize the impact of fossil fuels. Fossil

fuels, which include coal, oil, and natural gas, have been the backbone of industrial development and energy production for over a century. However, their extensive use has led to severe environmental consequences, including air pollution, greenhouse gas emissions, and global warming. Power-efficient devices offer a practical and impactful solution to these challenges by reducing energy consumption and, consequently, the demand for fossil fuel-based energy.

The use of power-efficient devices is a vital strategy in minimizing the impact of fossil fuels on the environment. By reducing energy consumption, these devices help lower greenhouse gas emissions, decrease energy costs, and drive technological innovation. With the support of government policies and increased public awareness, the transition to power-efficient technologies can play a significant role in achieving a sustainable and environmentally friendly future. Embracing these advancements is not only an investment in our planet's health but also in the economic well-being of future generations.

- **Implementation of LED Lighting for Energy Efficiency:** To enhance energy efficiency and reduce environmental impact, Buniadpur Mahavidyalaya replaced traditional lighting with LED lights across the campus. This transition has led to significant energy savings, lower electricity costs, and reduced greenhouse gas emissions.

- **Installation of Solar cells on a college campus**- The installation of solar cells on a college campus represents a significant step toward sustainability and environmental stewardship. By harnessing the abundant and renewable energy from the sun, solar cells can provide a substantial portion of the campus's electricity needs, thereby reducing reliance on fossil fuels and lowering greenhouse gas emissions.

  This transition to clean energy not only cuts down on utility costs but also serves as a powerful educational tool, allowing students to observe and learn about renewable energy technology's blessings. Moreover, it positions the college as a leader in green initiatives, demonstrating a commitment to combating climate change and fostering a culture of environmental responsibility within the academic community.