



INSTITUTIONAL DISTINCTIVENESS

Promotion of 'Green Environment' in alignment with Sustainable Development Goals (SDGs)



DUDHNOI COLLEGE
DUDHNOI, GOALPARA
PIN: 783124, ASSAM

Area of Performance: Promotion of ‘Green Environment’ in alignment with Sustainable Development Goals (SDGs)



In alignment with the vision, Dudhnoi College distinguish out certain area for priority to put thrust. These include quality teaching-learning environment, institutional social responsibility programme, green campus, professional development programme, co-curricular activities etc. Among these areas, Dudhnoi College achieved remarkable progress in maintaining green environment inside the college campus as well as in the adopted village.

Due to its consistent environment friendly policy, the college campus developed into a lush green area. Presently, 174 plant species (out of which 72 species belong to medicinal plant category) and 62 avain species are found inside the college campus. It has also a som garden covering approximately 5 bighas of land. Moreover, the college has a well-preserved pond covering approximately 6 bighas of land which saturates the college campus with moisture round the year.



In the last few years, Dudhnoi College performed some of the activities that promoted institutions green initiatives. The activities can be divided in the following categories:

Plantation

Plantation of sapling is one of the activities that the college emphasised. Through it, love for nature is brought within the students. Every year, on special occasion like, college foundation day, world environment day, college authority plants saplings with the help of students and teachers. The government of Assam also wanted that the poor students who are given free admission, plant a sapling on their own either inside the college campus or at their own residence. Accordingly, college authority does necessary arrangements for plantation of new saplings and turns it into a success by overcoming its challenges posed by stray cattle.



Organising environment friendly farming

Dudhnoi College used its unused land for different kind of farming to promote environment consciousness and love for farming among students. Accordingly, it has started muga silk cultivation in its som garden with the help of expert cultivators. Secondly, it started banana cultivation in 3 bighas of land and fish cultivation in its pond. Though there was no significant amount of income generation in terms of money, yet it considerably supports institutional effort to promote green environment.



Through certificate course

Dudhnoi College launched certificate course on “Mushroom Cultivation and Vermicomposting”, “Sericulture (Muga Culture)” and “Aquaculture”. The former course was offered by Department of Botany in association with KrishiVigyan Kendra, Goalpara. The purpose of the course is to develop vocational skills of the participants in this cultivation and to create a conducive environment for promotion of green environment. Subsequently, the college started producing vermicompost and used the production for developing its botanical garden and flower garden. Apart from this the process of preparation of vermicompost also indirectly contributes to the management of wastage. The certificate course on “Sericulture (Muga Culture)” and “Aquaculture” were offered by the department of Zoology in order to encourage the students of the college towards plantation, muga farming and fish cultivation.



Workshop and popular talks also contribute to this awareness

Dudhnoi College teachers' Association (DCTA) organised a workshop on “Contemporary World Environment and Our Duties” and Department of Botany organised a workshop on


“Biodiversity Conservation and Sustained Utilisation: North East Indian perspective”. In both this workshop, resource person from Gauhati University addressed the gatherings about the importance of nature and its conservation.



Green Audit, Energy Audit and Environment Audit conduction

Dudhnoi College copnducts Energy Audit, Green Audit and Environmental Audit through certified agencies regularly. These audit aims at verification and validation to ensure that various environmental laws are compiled with and adequate care has been taken towards environmental protection and preservation. The timely preparation of these audits by Dudhnoi College has helped the college fraternity to introspect their environment-related activities and motivates to do better in terms of promoting ‘green environment’.

DUHDNOI COLLEGE, DUHDNOI ENERGY AUDIT



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Certificate of Energy Audit

This is to certify that **Dudhnoi College** Dudhnoi, Goalpara, Assam has conducted **Energy Audit** in Jan-22 for knowing present electrical energy consumption, identification of energy conservation and saving opportunities for implementation to greenhouse gas emission for environmental protection.
This energy Audit is also aimed to assess impact of installed renewable energy applications.

Date - 05, Jan-22

Mr. K.G Bhatwadekar
Certified Energy Auditor (EA- 22428)
(Bureau of Energy Efficiency, Govt. of India)

About Thunderbolt Energy Consultancy

We are pleased to introduce ourselves as Thunderbolt Energy. We are a team of young Energy professionals, working to help and facilities become energy efficient and promote green and i.

We are providing services in various areas like

- Energy Audit, Electrical Audit, Electrical Survey
- Green Audit and Environmental Audit for college
- Safety Audit, Electrical safety audit, Safety survey
- Street Light Energy Audit, St. Survey, St. Sales & Install
- Electrical Repair & Maintenance Services
- Project Management Consultancy
- Third-Party Audit

We have a highly trained and experienced team of certified Safety Auditors, Energy Manager, Analyst, Engineers & Retail presently working in pan India.



Thunderbolt Energy Consultancy
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Date: 29 / 01 / 2023

CERTIFICATE

This is to certify that Thunderbolt Energy Consultancy conducted **Green Audit** at **Dudhnoi College** Dudhnoi, Assam has in March-23 for the period from January -22 to December-23 for knowing the present status of Green practices in college campus.

The College has already adopted Green Practice like

- Installation of Roofing Rain Water Harvesting system.
- Installation of Bio composting pit.
- Usage of Energy Efficient LED Fixtures.
- Usage of Energy Efficient BEE rated equipment.
- Installation of Solar PV Street Light.

We Appreciate the support of management, involvement of faculty members and students in process of making the campus green.

Thanking you in anticipation.

Mr. K.G Bhatwadekar
Certified Energy Auditor (EA- 22428)
(Bureau of Energy Efficiency, Govt. of India)

TEC

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To promote “Green Environment” through curriculum enrichment

Under the Go Green campaign, an essay competition on the topic “Plastic is a Curse for Humanity” was organised and attended by a good number of students. At the same time, an art competition was organised on “Save Earth, Save Life” in December, 2021 with an aim to link youth sustainable developments goals and sustained utilisation of resources.



Through Extension Activities

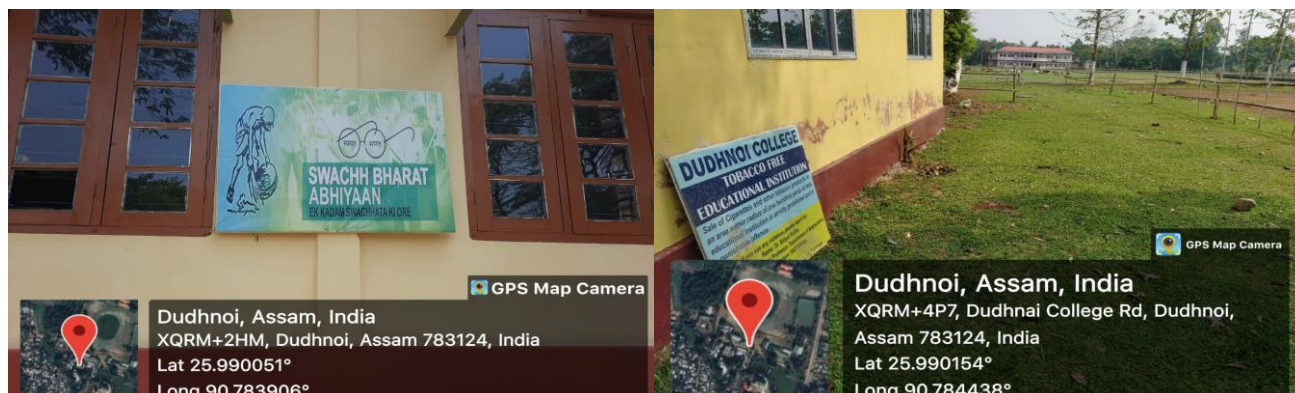
The concept of Extension Activity in Higher Educational Institute (HEI) was first introduced in 1977 by UGC where it was stated that HEI to discharge its responsibilities effectively “it must assume extension as the third important responsibility and give it the same status as teaching and research”. Accordingly, Dudhnoi College tries to fulfil its social obligation through academic and co-curricular activities conducted at nearby schools and villages. Among the activities, nature and its conservation and sustained utilisation, cleanliness became the priority. Some of the trees used in the plantation are Indian Rose Chestnut, Spanish Cherry, Himalayan Cedar, Mango, Jackfruit, and Guava etc. These initiatives also exert

influence on promoting ‘green economy’, whereby the villagers can sell the fruits in local markets. The impact of such activity is visible in one of the adopted villages of the college- Gabilpara.



Banners and Hoardings to create awareness on ‘Go Green’ campus

College also displays banners and hoardings in the college campus to create “Go Green” awareness among the students, teachers and others. Hoardings like ‘No Plastic’, ‘Swachh Bharat’, ‘Save Earth’, ‘Save Tree’, ‘No Sound Pollution’, ‘Tobacco Free Campus’ are displayed in the campus.



Through Celebration of important Days

With the aim to tickle the minds of young students and develop consciousness of their surrounding environment, the institution observe environment related national and international days of significance like World Water Day (22nd March), World Earth Day (22nd April), World Environment Day (5th June), etc by organizing popular talks, awareness drive, plantation drive etc.



Green Technology and Innovations

The institution also motivates green technology and innovations among the students. In 2021, Pritom Rabha of B.Sc. Physics 2nd Semester developed emergency medical drone, solar powered smart e-dustbin for waste management.



Other activities

Although the region is blessed with abundant precipitation and availability of water, the college practices rainwater harvesting. Waste water are treated and reused for lawn, plantation and gardening purposes. Dudhnoi College has signed a Memorandum of Understanding (MoU) for E-waste Management and Hazardous Chemical and Radioactive Waste Management activities for promoting environmental sustainability. The college authority strictly imposes green campus initiative on its stakeholders. There is restriction on movement of vehicles of outsiders, and bicycle users are encouraged.

Environment sustainability is not an overnight effort; Dudhnoi College has and will continue its efforts in bringing and maintaining environmental sustainability each time.

