

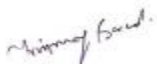
DISTINCTIVE AND PRIORITY THRUST AREA: GREEN INITIATIVES

Kharupetia College has a sprawling green campus. Two third of the total areas of the college have been covered with green areas. The institution has made a good afford to keep the campus clean and green. Since its inception, Kharupetia College has undertaken numerous green initiatives. The college emphasizes the promotion of green energy, conducts plantation drives both on and off campus, maintains a tobacco-free environment and strives to eliminate plastic use on campus.

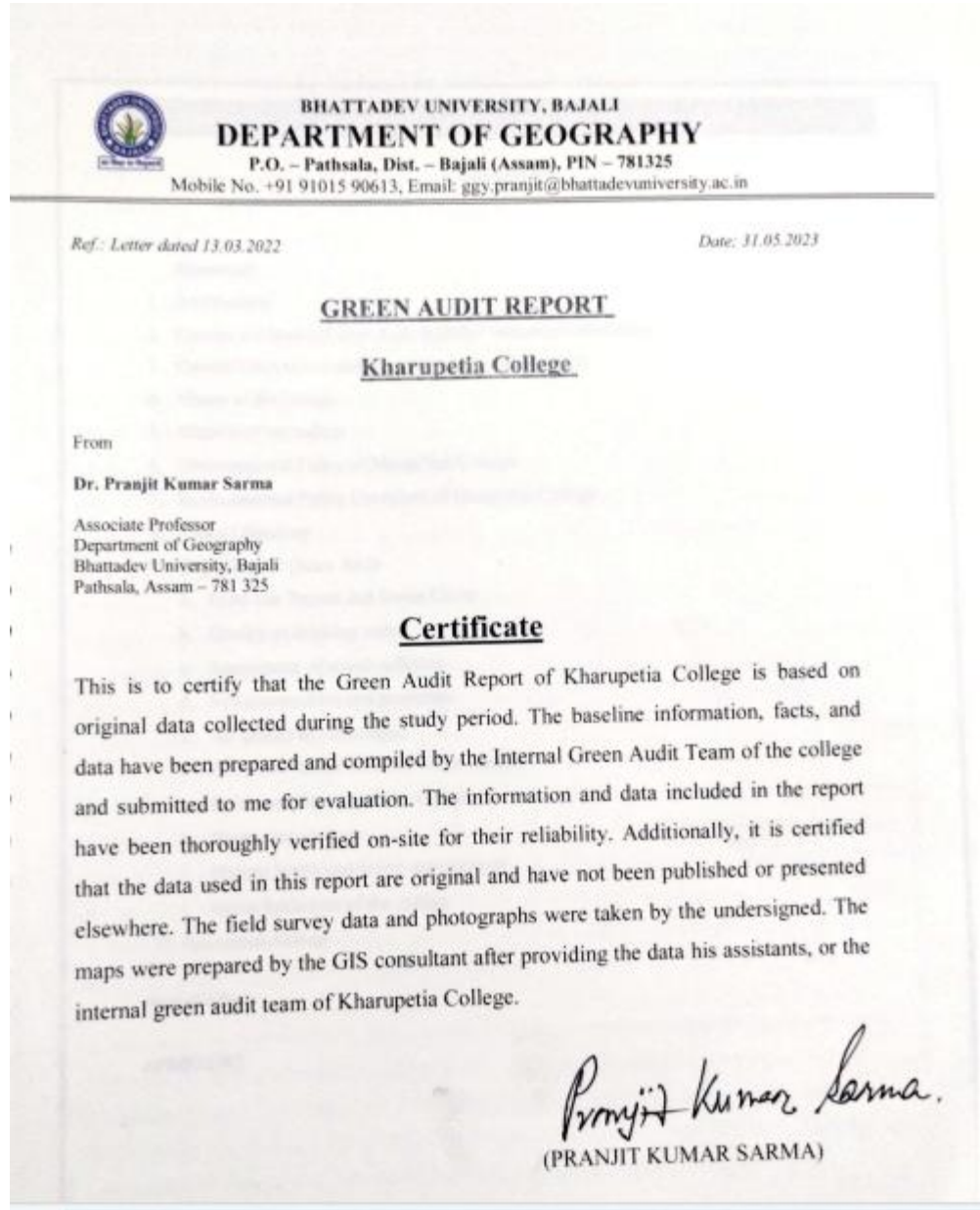
POLICIES FOR GREEN INITIATIVES:

The institution formulated various policies such as a green campus policy, waste management policy, and Environmental policy and also initiated a Green and Energy Audit for the assessment of such initiatives taken by the institution in this regard.

Certificate of Energy Audit

	GST Number: 18BTPPB7770M12Y MSME Reg. No.: FIDYAM-AN-05-00001873
Date: 01.04.2023	
CERTIFICATE OF ENERGY AUDIT	
{Certificate no.: TS / Energy Audit / 22-23/ 001/ Kharupetia College }	
This is to certify that we had conducted Electrical Energy & Safety Audit of Kharupetia College, Kharupetia, Assam on 21 March, 2023 (as per the Work Order of the Office of the Principal, Kharupetia College, dated 13.03.2023)	
The audit observations and findings reveal that there are scopes for improving the safety and economy in the existing electrical power sourcing and distribution arrangement at the college campus:	
• There is scope for significant reduction in the monthly electricity bills by lowering the Electricity Supply Contract Demand in accordance with the actual requirement. • A defective solar panel should be repaired/replaced urgently to utilize full installed capacity of the rooftop solar plant. Currently one of the two arrays of solar plant is lying disconnected. • Some other tweaking in the electricity distribution arrangement are necessary to optimize the energy utilization at the college campus. • Some major safety weakness/discrepancies were observed in the power distribution arrangement and earthing arrangement which need immediate rectification.	
The observed weaknesses and suggested remedial/improvement measures are elaborated in our submitted "Electrical Energy & Safety Audit Report."	
The electrical energy utilization at the audited installation (Kharupetia College) may be considered fully safe and economical after implementing the suggested rectification and improvement measures.	
	
{Mrinmoy Boruah} Chief Energy Auditor BEE Energy Auditor Regn no. EA-3511	

Certificate of Green Audit



AWARENESS PROGRAMME:

Besides these policies, the institution has undertaken altogether 18 programmes on environmental awareness by various cells/committees during the last five years programmes on the use of pesticides and its effects on health and society, cleanliness drive, tree plantations, conservation of energy, control of environmental pollution and swachhata drive.

GREEN ENERGY INITIATIVES:

The college promotes green energy by installing rooftop-on-grid solar panels on campus. These panels with a total grid capacity of 21 kW are installed on the RCC building.

Solar Panels



PLANTATION DRIVES:

The college has initiated numerous plantation drives both on campus and in surrounding areas. These efforts aligned with significant environmental observances such as World Environment Day, earth day, etc., during which plantation drives are conducted. To promote a healthy environment within and around the college, these initiatives extend to fringe areas as well. The active participation of the NSS volunteer is a key feature of these activities. Following the plantations, meticulous post-care measures are taken to minimize plant mortality rates. Special attention is also given to plant endemic species to preserve the region's ecological balance.

Plantation Programme



TOBACCO-FREE CAMPUS:

Kharupetia College has been designated a tobacco-free campus by the Darrang District Health Society. Hoardings are placed at various locations across the campus to inform and remind everyone of this status. The college administration is dedicated to preserve both the academic and natural environment of the college.



PLASTIC FREE CAMPUS:

The college administration has implemented practical measures to eliminate single-use plastic on campus. A complete ban has been imposed on items such as chip packets, plastic cups, plates and other single-use plastic. The IQAC has placed signboards and hoardings in strategic locations to raise awareness about the plastic-free campus initiative. A team of faculty members and students regularly conducts vigilance to maintain the campus in the true spirit of the term.



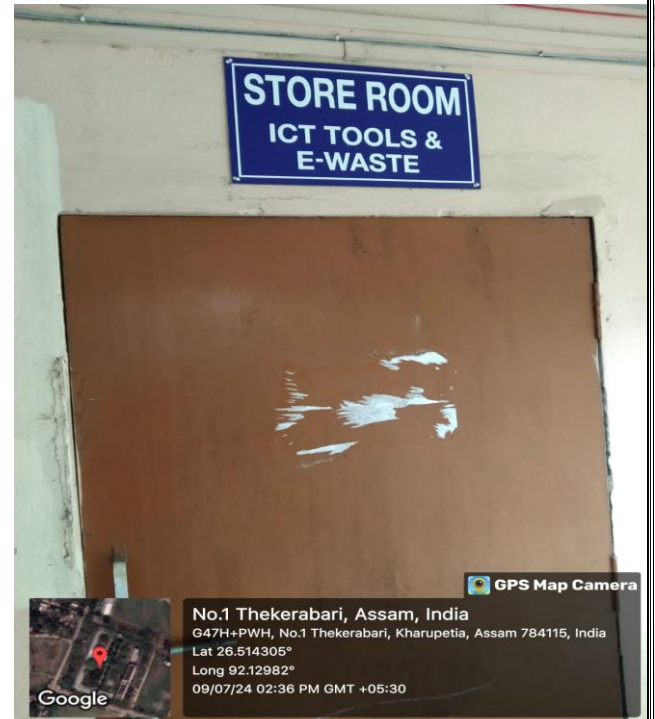
RAIN WATER HARVESTING:

The rainwater harvesting system installed by the college collects and stores rainwater which is utilized for various purposes such as watering the plants, and ensuring the campus greenery remains healthy and vibrant. Additionally, the harvested rainwater is used for other purposes contributing to water conservation efforts by reducing the reliance on groundwater supplies. This initiative not only promotes sustainability but also sets an example for environmental stewardship within the college community.



WASTE MANAGEMENT:

The college signed an MoU with the Kharupetia Municipality Board for garbage collection from the college campus regularly.



CONSERVATION OF AVAILABLE FLORA AND FAUNA:

The college has a good amount of floral and faunal diversity. This has been maintained with conscious and proactive measures. The green Audit team has accessed the faunal diversity on the campus and twenty different species of “Arachnida” insects, amphibian reptiles, and avifauna mammals are sighted on the campus.

IMPACTS OF GREEN INITIATIVES:

The adoption of various environmental policies and programmes on Environmental awareness by the institutions on the campus has positive consequences for the preservation of the environment and conservation of energy. The green audit of the institution shows that the air quality on the campus is good with minimum pollution. The Air Quality Index (AQI) measured within the campus falls within the range of 0 to 19, which indicates excellent air quality. This is because of the plantation drive-in on the campus and restrictions imposed on the consumption of tobacco etc.

ECOLOGICAL RICH CAMPUS:

A comprehensive assessment was conducted by the green audit team to explore the rich tapestry flora and fauna on a college campus. The campus boasts a remarkable diversity of plant and animal lives. The campus has more than 800 (eight hundred) trees with 47 varieties.



ENERGY CONSERVATION:

The electric consumption of the institution has been observed to decrease after the installation of solar panels. The energy audit reveals this fact.

However, for a sustainable green environment and preservation of energy, the institution has to take more such measures in the near future.

Use of LED Bulb & Solar Panels

