

GREEN AUDIT REPORT

(2025-26)



KAKOJAN COLLEGE:
JORHAT; ASSAM; INDIA



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Ref. No. :

Date : 26/05/2026

Forward

It gives me great pleasure to forward the Green Audit Report of Kakojan College, Jorhat, which reflects the institution's sustained commitment towards environmental responsibility and sustainable campus practices. The report comprehensively documents the initiatives undertaken by the college in key areas such as energy management, water conservation, and solid waste management, highlighting our continuous efforts to minimize resource consumption and promote eco-efficient practices. It also showcases various plantation drives organized within and beyond the campus to enhance green cover and biodiversity.

The report further details the cleanliness and hygiene practices maintained across the institution, ensuring a healthy and environmentally conscious campus atmosphere for students and staff. In addition, the active participation of the college community in observing important environmental days such as World Environment Day, Ozone Day, Earth Day and International Biodiversity Day reflects our commitment to fostering environmental awareness and responsibility among stakeholders. The organization of various sustainability-related events has played a significant role in sensitizing students towards ecological balance and sustainable living.

I hope this Green Audit Report will serve as a valuable document in guiding and strengthening our future initiatives towards making Kakojan College a more sustainable and environmentally responsible institution.

(Dr. Rashmi Rekha Saikia)

Principal

Kakojan College, Jorhat, Assam

GREEN AUDIT ASSESSMENT COMMITTEE (INTERNAL)

Dr. Rashmi Rekha Saikia : **Chairman & Principal, Kakojan College**

Mr. Ashish Pratim Hazar : **Coordinator**

Dr. Nibedita Gogoi : **Member**

Mr. Dhrubajyoti Sarmah : **Member**

EXTERNAL AUDITOR

Mrs. Pallwabee Duarah

Assistant Professor
Department of Zoology
Jagannath Borooah University (JBU)
Jorhat-785001.Assam

ENVIRONMENT MANAGEMENT COMMITTEE

1. Dr. Rashmi Rekha Saikia, Principal (Chairperson)
2. Ms. Masum Das - Convener
3. Mrs. Junmoni Boruah – Member
4. Dr. Hasnahana Gogoi – Member
5. Mr. Ashish Pratim Hazarika - Member
6. Mr. Utpal Sadhonidar – Member
7. Ms. Minakshi Mili – Member
8. Ms. Minakshi Hazarika – Member
9. Mrs. Banashree Borah – Member

**COMMITTEE UNDER RECOGNISED SAP (SWACHHATA ACTION PLAN)
INSTITUTION (Ministry of Human Resource Development - MGNCRE)**

1. Sanitation and Hygiene

Mrs. Sarmistha Goswami
Mrs. Rinti Rani Sarmah
Mrs. Junmoni Baruah
Dr. Nibedita Gogoi
Dr. Dharmendra Dutta
Mr. Prasanna Hazarika
Mrs. Minakshi Mili
Dr. Hasnahana Gogoi

2. Waste Management

Dr. Nibedita Gogoi
Mrs. Junmoni Baruah
Dr. Anita Das
Dr. Sikhamoni Gogoi
Ms. Rini Kramsapi
Dr. Semima Yasmin

3. Water Management

Mrs. Mridula Neog
Mrs. Jinumoni Saikia
Dr. Partha Protim Boruah
Mr. Utpal Sadhonider
Dr. Siddhartha Kumar Bhorodwaj

4. Energy Management

Mr. Sanjib Borah
Mr. Dhruvajyoti Sarmah
Mrs. Jita Dutta
Mr. Subhasis Kotoky
Mr. Dhruvajyoti Saikia
Mrs. Banashree Bora

5. Greenery

Dr. Babita Phukan Borkotoky
Mrs. Kanon Deka
Mr. Jayanta Duarah
Mr. Ashish Pratim Hazarika
Mrs. Borsha Rani Borah
Mrs. Navanita Nath
Mr. Probin Das

6. Institution Cleanliness Supervision Committee

Mrs. Mridula Neog, Convener
Mr. Subhasis Kotoky, Member
Mr. Utpal Sadhonider, Member
Mrs. Minakshi Hazarika, Member

7. Laboratory, Classroom and Campus Cleanliness Committee

All Laboratory Bearers
All Grade IV employees

Certificate

This is to certify that a "Green Audit" (2025-26) for Kakojan College, Jorhat, Assam has been conducted to assess the green initiative planning and efforts implemented on the college campus to maintain an eco-friendly campus.

Ashish
26-05-2026

(Mr. Ashish Pratim Hazarika)
Coordinator/Internal Auditor
Kakojan College

P. Duarah
26/05/26

(Mrs. Pallwabee Duarah)
Assistant Professor
Department of Zoology
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Rashmi
26.05.2026

(Dr. Rashmi Rekha Saikia)
Chairman & Principal,
Kakojan College

Date: 26-05-2026

Place: Kakojan, Jorhat.

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Introduction:

A Green Audit is a structured, systematic, and periodic assessment conducted to evaluate an institution's environmental performance, sustainability practices, and adherence to eco-friendly principles. It involves the identification, measurement, documentation, analysis, and reporting of various environmental components associated with the institution and its surrounding environment. The primary purpose of a Green Audit is to examine how effectively an organization integrates sustainable environmental practices into its daily operations and long-term developmental goals.

The audit provides a comprehensive evaluation of the institution's environmental policies, infrastructure, resource management systems, and conservation initiatives with the objective of strengthening ecological responsibility and environmental stewardship. It helps determine the extent to which the institution follows sustainable practices, conserves natural resources, reduces environmental degradation, and promotes a clean and healthy campus environment. Furthermore, it assesses the institution's role in creating environmental awareness among students, faculty members, staff, and the local community.

A Green Audit generally encompasses multiple dimensions of environmental management, including energy conservation, water management, waste segregation and disposal, e-waste management, biodiversity conservation, green landscaping, pollution control measures, sustainable transportation practices, and carbon footprint reduction. It also evaluates initiatives such as rainwater harvesting, use of renewable energy sources, composting systems, plastic reduction campaigns, recycling practices, and sustainable procurement policies. In addition, activities like plant census and documentation of campus flora are undertaken to assess and monitor biodiversity and green cover within the institution. Conducting a Green Audit enables institutions to identify strengths, recognize gaps in existing practices, and develop strategies for continual environmental improvement. It encourages responsible resource utilization, promotes environmental ethics, and motivates institutions to adopt innovative and sustainable solutions aligned with global environmental goals and sustainable development principles. Ultimately, a Green Audit contributes significantly towards building an eco-conscious, healthy, and sustainable academic environment, thereby ensuring a greener future for present and future generations.

Objectives of Green Audit

The Green Audit acts as an important mechanism for assessing the environmental performance of an institution and strengthening its commitment towards sustainability and ecological conservation. It facilitates the adoption of environmentally responsible practices while promoting awareness and accountability among all stakeholders. The major objectives of conducting a Green Audit in a college are as follows:

1. To identify, document, and evaluate the sustainable environmental practices currently adopted by the institution.
2. To examine the utilization and management of natural resources such as water, energy, and materials within the campus.
3. To assess the availability, efficiency, and effectiveness of solid waste, liquid waste, and e-waste management systems.
4. To evaluate the overall environmental impact of the institution's academic and administrative activities and identify measures to minimize adverse effects on the environment.
5. To identify opportunities for resource optimization, energy conservation, and waste reduction that may lead to environmental as well as economic benefits.
6. To assess the initiatives undertaken by the institution for environmental protection, biodiversity conservation, and maintenance of green spaces within the campus.
7. To evaluate the programmes and awareness activities conducted for promoting environmental consciousness among students, teachers, staff, and the surrounding community.
8. To review existing environmental policies and practices of the institution and ensure their proper implementation and continuous improvement.
9. To recommend practical, achievable, and sustainable measures for enhancing environmental performance and ecological sustainability.
10. To suggest strategies for improving the campus ecosystem, strengthening biodiversity, and developing a cleaner, greener, and healthier institutional environment.

By achieving these objectives, the Green Audit helps in creating an environmentally responsible academic atmosphere that supports sustainable development and encourages collective participation towards environmental conservation.

Methodology

The Green Audit was conducted with the objective of systematically evaluating the environmental practices, sustainability initiatives, and eco-friendly measures implemented within the college campus. A well-planned and scientific methodology was adopted to ensure that the audit process remained comprehensive, transparent, and objective in assessing the institution's environmental performance.

The audit process commenced with preliminary consultations and discussions with the college authorities, Green Audit Committee members, departmental representatives, and administrative personnel to obtain an overview of the institution's existing environmental policies, practices, and sustainability initiatives. These interactions helped in understanding the environmental management framework of the college and identifying key areas for assessment.

Data collection was carried out through both primary and secondary sources. Primary data was gathered through extensive physical inspection of the campus, direct observations, structured surveys, and interactions with stakeholders including students, faculty members, office staff, and maintenance personnel. During the field visits, detailed observations were made regarding energy consumption patterns, water utilization systems, waste management practices, green cover, biodiversity status, pollution control measures, and sustainable infrastructural facilities such as solar energy systems, rainwater harvesting units, composting facilities, and eco-friendly landscaping practices.

Secondary data was collected from institutional documents and records, including electricity and water bills, maintenance registers, policy documents, previous environmental reports, plantation records, and other relevant materials provided by the college administration. Wherever necessary, photographic documentation and GPS-based records were also incorporated to strengthen the authenticity and reliability of the observations.

After the completion of data collection, the information obtained from various sources was carefully compiled, organized, and analyzed. The collected data was categorized under different environmental components to evaluate the institution's strengths, existing gaps, and areas requiring improvement. Based on the findings, recommendations and practical suggestions were formulated to enhance the environmental sustainability of the campus.

The final phase of the audit involved the preparation of a comprehensive report containing an executive summary, detailed observations, analysis of existing practices, identified challenges, best environmental practices, and future recommendations. The report aims to serve as a guiding framework for the institution in promoting sustainable development, environmental responsibility, and long-term ecological well-being.

EXECUTIVE SUMMARY

A. About the college:

Kakojan College was established by the educationists, public, social workers and others of the greater Kakojan area which is located in the eastern part of the District of Jorhat, Assam by the side of N.H. 37. Kakojan College was established on 24th July, 1967. It takes the concept of education to a higher stratum. The institution provides a conducive environment for the holistic development of the students. Kakojan College is approved by University Grants Commission (UGC) and affiliated to Dibrugarh University, Assam. It offers FYUGP Courses (B.A. and B.Sc.) and Higher Secondary Course (HS) in both Arts and Science Stream. The college has Study Centers of Open and Distance Learning (ODL) under Krishna Kanta Handiqui State Open University (KKHSOU) and Dibrugarh University. The college is an ISO 9001: 2015 certified institution and registered in ARIIA, NISP, MIC, Ministry of Education, Government of India and also registered under NYPS, MHRD and Government of India.

The College was accredited with 'A' Grade by NAAC in 2023 in its 3rd Cycle of accreditation. The college provides platform to the students to focus themselves in the Co-scholastic Activities, takes the responsibility of organizing community development programmes for the socio-economic development of the neighborhood and contributes towards sustainable ecosystem and nation building. The healthy academic atmosphere, the good results, the personal care and guidance offered by the faculty members as well as the Information and Career Guidance Cell (ICGC) of the college have earned some plus points for the holistic growth of the students. Institution's Innovation Council, Kakojan College under MIC is rated with 2(two) Star and recipients of One District One Green Champion Award offered by MGNCRE.

Vision and Mission of the college:**VISION**

The vision of the college is to make all round development of human resources through Quality Education under the guidance of Affiliating University (Dibrugarh University), University Grants Commission (UGC), National Assessment and Accreditation Council (NAAC) and Govt. of Assam. The institution upholds the highest standards for instruction in Arts and Science with career-oriented programmes. Along with academic excellence the institution emphasizes integrity, democracy, co-operation and cultural sensitivity so that the students may serve best the Society, Nation and the World. The institution also cherishes vision to impart education to those learners who have been deprived of formal system of higher education because of age, economic background etc. through Open Distance Learning (ODL) System.

MISSION

- A) Imparting Quality Education of National Standard and Imbibing skill for solving real life problem.
- B) Inculcating global perspective in attitude.
- C) Creating leadership qualities with futuristic vision.
- D) Fostering spirit of entrepreneurship and realization of social responsibilities.
- E) Cultivating adaption of ethics, morality and healthy practices in academic and professional life.
- F) Inculcating the spirit of social development through the study of language and culture.
- G) Instilling habit of continual learning.
- H) Encouraging and supporting creative and research temperament
- I) Establishing and promoting linkages with the Institutions and Organizations of National and International level.
- J) To introduce job-oriented and vocational programmes for professional and academic development.
- K) To organize community development programmes for the socio-economic development of the neighbourhood.

Land Use Data of the College

The college campus occupies a total land area of approximately 2 acres (8,093.72 m²), providing adequate space for academic infrastructure, student activities, and environmental initiatives. Out of the total campus area, about 447.51 m² has been specifically designated for plantation and green landscaping activities. These plantation areas include ornamental plants, shade trees, medicinal plants, and other greenery that contribute significantly to maintaining the ecological balance and aesthetic beauty of the campus environment.

In addition to the main campus, the institution also maintains Sector-B, which covers an extensive area of around 9 acres (39,995.89 m²). A major portion of this area, approximately 37,467.17 m², is under green cover comprising natural vegetation, planted trees, lawns, and other green spaces. The substantial green coverage in Sector-B reflects the institution's strong commitment towards environmental conservation, biodiversity protection, and sustainable campus development.

The preservation and expansion of green areas within the campus not only enhance the scenic beauty and environmental quality of the institution but also help in reducing pollution, improving microclimatic conditions, conserving biodiversity, and creating a healthy and eco-friendly atmosphere for students, faculty, staff, and visitors. These initiatives demonstrate the college's proactive approach towards achieving the objectives of a green campus and promoting long-term environmental sustainability.



A panoramic view of the college campus.

B. Water Management

Kakojan College is committed to the sustainable management and conservation of water resources within the campus. Recognizing water as a vital natural resource, the college has adopted several effective measures to ensure its judicious use, proper storage, conservation, and quality maintenance. The institution continuously strives to promote responsible water management practices as part of its broader commitment towards environmental sustainability and green campus development.

Sources of Water

The college utilizes multiple sources of water to meet the daily requirements of students, faculty members, staff, and campus maintenance activities. The major sources of water include:

1. **Primary Source – Borewell Water:** The principal source of water supply for the college is borewell water. The campus is equipped with two separate water reservoirs that facilitate adequate storage and regular distribution of water for drinking, sanitation, laboratory, and other institutional purposes.
2. **Secondary Source – Rainwater Harvesting:** To encourage water conservation and sustainable utilization of natural resources, the college has implemented rainwater harvesting practices. This system helps in collecting and utilizing rainwater, thereby reducing dependence on groundwater resources and promoting groundwater recharge.
3. **Other Sources – Hand Pumps:** In addition to the above sources, hand pumps installed within the campus are also used to fulfill general water requirements and provide supplementary water support when necessary.

Water Storage Facilities

The college has developed sufficient water storage and distribution infrastructure to ensure uninterrupted availability of water across the campus. Properly maintained reservoirs and storage facilities help in efficient water management, equitable distribution, and minimizing wastage. The institution regularly monitors and maintains these facilities to ensure safe and sustainable water utilization for various academic, domestic, and environmental purposes.

Table: Water storage facility of the college

| SI No | Particulars | Storage capacity |
|-------|-----------------------------|------------------|
| 1. | Overhead tank (2 in number) | 5000 litre |
| 2. | Rainwater storage tank | 2000 litre |
| | Total storage | 7000 litre |

Rainwater Harvesting

Kakojan College has implemented an effective rainwater harvesting system as part of its sustainable water management practices. The system is connected to a ground-level storage tank designed to collect and store rainwater during the rainy season. The harvested rainwater is primarily utilized for groundwater recharge, thereby helping to restore and maintain the groundwater table in and around the campus. Approximately 2000 litres of rainwater is collected and directed underground through this system. This initiative reflects the college's commitment towards water conservation, sustainable resource utilization, and environmental protection.

Water Usage and Distribution

The water collected from borewells and storage facilities is systematically distributed throughout the campus to meet various institutional requirements. The supplied water is used in washrooms, wash basins, laboratories, kitchens, water coolers, and purification units. To ensure the availability of safe and hygienic drinking water, the college has installed 08 water coolers equipped with purification systems for students, faculty members, and staff.

Water Quality Monitoring

The college gives high priority to maintaining the quality and safety of water used within the campus. Regular monitoring and inspection of water facilities are carried out to ensure proper hygiene standards and safe drinking water. Special attention is given to the maintenance and cleanliness of water coolers, purifiers, storage tanks, and supply systems to prevent contamination and ensure healthy water consumption.

Water Conservation Measures

The college has adopted multiple strategies to promote efficient water use and conservation across the campus. The major water conservation initiatives include:

1. Implementation of rainwater harvesting and groundwater recharge systems.
2. Use of hand pumps to minimize dependency on electrically operated water supply systems.
3. Installation of overhead storage tanks to regulate water distribution, maintain adequate pressure, and reduce unnecessary wastage.
4. Conducting awareness programmes and displaying signages to encourage responsible water usage among students and staff.
5. Regular monitoring and supervision by faculty members and support staff to identify leakages and prevent excessive or careless water usage.

Although the college has undertaken several important conservation initiatives, automated water-saving technologies such as sensor-based taps and low-flow fixtures have not yet been installed. The adoption of such modern water-efficient systems has been identified as a potential area for future improvement.

Water Monitoring and Analysis

The institution follows a regular monitoring mechanism to observe water usage patterns and identify areas of wastage. Faculty members and Grade-IV employees are assigned responsibilities for supervising water facilities, reporting leakages, and ensuring efficient utilization of water resources. Continuous observation and maintenance help the institution maintain an effective and sustainable water management system.

Kakojan College demonstrates a strong commitment towards responsible and sustainable water management through the implementation of water conservation infrastructure, monitoring mechanisms, and awareness initiatives. The institution's efforts in rainwater harvesting, groundwater recharge, water quality maintenance, and efficient distribution significantly contribute to environmental sustainability. With the future incorporation of advanced water-saving technologies, the college can further strengthen its green initiatives and emerge as a model institution for sustainable water stewardship.

C. Energy Management

Kakojan College is committed to adopting sustainable energy management practices aimed at minimizing environmental impact, conserving conventional energy resources, and promoting the use of renewable energy alternatives. The institution continuously strives to improve energy efficiency through responsible consumption, monitoring mechanisms, and awareness initiatives among students, faculty members, and staff. The college recognizes the importance of sustainable energy practices in achieving environmental conservation and reducing the overall carbon footprint of the campus.

The primary source of energy for the college is electricity supplied by Assam Power Distribution Company Limited through a three-phase electrical connection. The college has also initiated the use of renewable energy through the installation of solar-powered lighting systems within the campus. The institution aims to gradually expand the use of solar energy in the coming years as part of its commitment towards sustainable and eco-friendly energy practices. As a significant step towards renewable energy adoption, the college introduced solar lighting facilities during the academic session 2021–2022. At present, a total of 17 solar lights

have been installed across the main campus, Sector-B, and the Girls' Hostel premises. Each solar unit generates approximately 1 KWH of electricity per day.

Kakojan College actively promotes energy conservation through the adoption of sustainable practices and the encouragement of responsible energy usage among all stakeholders. The institution continuously undertakes initiatives aimed at minimizing unnecessary energy consumption, improving efficiency, and creating awareness regarding the importance of energy conservation for environmental sustainability.

The major energy conservation practices adopted by the college include:

1. Installation and use of energy-efficient appliances, LED lighting systems, and solar-powered lights across different sections of the campus.
2. Conducting regular monitoring of electricity consumption and periodic energy audits to identify areas where energy usage can be optimized.
3. Encouraging students, faculty members, and staff to switch off lights, fans, computers, and other electrical appliances when not in use in order to avoid unnecessary energy wastage.
4. Preference for Bureau of Energy Efficiency (BEE) 5-star rated electrical equipment and appliances to ensure reduced power consumption and enhanced energy efficiency.
5. Maximum utilization of natural daylight and ventilation wherever possible, thereby minimizing excessive dependence on artificial lighting and electrical devices during daytime hours.

These initiatives have significantly contributed towards promoting an energy-conscious campus environment and reducing the institution's overall energy footprint.

Energy Monitoring

The college has established an Energy Management Committee responsible for monitoring, evaluating, and improving energy usage practices within the campus. The committee regularly reviews electricity consumption patterns, examines monthly energy bills, conducts internal assessments, and recommends suitable measures for energy conservation and efficiency enhancement.

The Energy Management Committee comprises the following members:

Mr. Sanjib Borah

Mr. Dhrubajyoti Sarmah

Mrs. Jita Dutta

Mr. Subhasis Kotoky

Mr. Dhrubajyoti Saikia

Mrs. Banashree Bora

The committee plays a crucial role in maintaining systematic energy management and promoting sustainable energy practices throughout the institution.

Awareness Programme on Renewable Energy and Energy Conservation

As part of its commitment to sustainable energy management and energy conservation practices, Kakojan College organized an awareness session on 26th September 2025 titled *“Shining a Light on Solar Power: Harnessing the Sun for a Sustainable Future.”* The programme was conducted to promote awareness regarding renewable energy, energy conservation, and environmentally sustainable living practices among students and faculty members.



The session was delivered by Mr. Robert Wizdeveld, a noted solar energy expert associated with PUM Netherlands. During the programme, he emphasized the significance of solar power as a clean, renewable, and eco-friendly source of energy. He also discussed the role of solar technology in reducing dependence on conventional fossil fuels, minimizing environmental pollution, conserving natural resources, and lowering carbon emissions. The interactive session created awareness about the practical applications of renewable energy and encouraged participants to adopt energy-efficient and sustainable practices in their daily lives. The programme also complemented the college's ongoing energy conservation initiatives, including the use of solar lighting systems and promotion of energy-efficient infrastructure on campus.

Through such awareness activities, the college continues to strengthen environmental consciousness and motivate students toward responsible energy usage and sustainable development practices.

Vehicle Usage and Fuel Efficiency

Although the college does not maintain institutional vehicles for regular transportation purposes, faculty and staff members generally use fuel-efficient petrol vehicles for commuting. Commonly used vehicles include models such as Maruti Suzuki Alto, Maruti Suzuki Wagon R, Maruti Suzuki Swift, Maruti Suzuki Ignis, and Maruti Suzuki Brezza. These vehicles are comparatively fuel-efficient and produce lower emissions than many conventional diesel-powered vehicles, thereby contributing to reduced air pollution and supporting environmentally responsible transportation practices.

Through its energy conservation initiatives, renewable energy adoption, and awareness-driven approach, Kakojan College continues to strengthen its commitment toward sustainable development and environmental stewardship.

D. Floral Diversity Assessment and Campus Green Inventory

Kakojan College possesses a rich diversity of plant species within its campus and adjoining areas, contributing significantly to the ecological and environmental quality of the institution. The campus is characterized by the presence of a wide range of indigenous and cultivated plant species, including large shade trees, ornamental plants, shrubs, climbers, grasses, and medicinal herbs. This diverse vegetation not only enhances the aesthetic beauty of the campus but also plays an important role in maintaining ecological balance, improving air quality, conserving biodiversity, and creating a healthy academic environment.

As part of its Green Campus and environmental sustainability initiatives, the college has undertaken a comprehensive Floral Diversity Assessment and Plant Inventory Survey to systematically document and evaluate the phytodiversity present within the institution. The survey has been coordinated by the Department of Botany with the objective of identifying, recording, and monitoring the various plant species distributed across the campus.

List of the plants with local name, scientific name and family found/planted in sector A and B of Kakojan College.

| Sl. No | Local Name/Common Name | Scientific Name | Family |
|--------|------------------------|--|----------------|
| 1 | Ronga Chandon | <i>Adenanthera pavonina</i> L. | Leguminosae |
| 2 | Jam Lakhuti | <i>Cheilocostus speciosus</i> (Koenig) Smith | Costaceae |
| 3 | Traveller's Palm Tree | <i>Ravenalamadagascariensis</i> Sonn. | Strelitziaceae |
| 4 | Kordoi | <i>Averrhoacarambola</i> L. | Apocynaceae |
| 5 | Hilikha | <i>Terminaliachebula</i> Retz. | Combretaceae |

| | | | |
|----|---------------|---|----------------------------|
| 6 | Noro Hingho | <i>Murraya koenigii</i> L. | Rutaceae |
| 7 | Neem | <i>Azadirachta indica</i> A. Juss | Meliaceae |
| 8 | Arjun | <i>Terminalia arjuna</i> (Roxb) | Combretaceae |
| 9 | Bor Jamuk | <i>Syzygium cuminii</i> (L.), Skeels | Myrtaceae |
| 10 | Modhuri | <i>Psidium guajava</i> L. | Myrtaceae |
| 11 | Sanchi | <i>Aquilaria malaccensis</i> Lam. | Thymelaeaceae |
| 12 | Cycus | <i>Cycas pectinata</i> Buch- Ham | Cycadaceae |
| 13 | Eucalyptus | <i>Eucalyptus globulus</i> Labill | Myrtaceae |
| 14 | Krishnasura | <i>Delonix regia</i> (Hook.) Raf. | Fabaceae or Leguminosae |
| 15 | Kodom | <i>Neolamarckiacadamba</i> (Roxb) Bosser | Rubiaceae |
| 16 | Bhumura | <i>Terminalia bellirica</i> (Gaertn) Roxb | Combretaceae |
| 17 | Robab Tenga | <i>Citrus maxima</i> (Burm) | Rutaceae |
| 18 | Korobi Phool | <i>Nerium oleander</i> L. | Apocynaceae |
| 19 | Debodaru | <i>Polyalthia longifolium</i> Sonn. | Annonaceae |
| 20 | Sarpogondha | <i>Rauvolfia tetraphylla</i> L. | Apocynaceae |
| 21 | Hukloti | <i>Mussaenda roxburghii</i> Hook. Fil. | Rubiaceae |
| 22 | Joba | <i>Hibiscus rosa-sinensis</i> L. | Malvaceae |
| 23 | Joroth | <i>Mallotus philippensis</i> L. | Euphorbiaceae |
| 24 | Bhedai Iota | <i>Paederia foetida</i> | Rubiaceae |
| 25 | Senichompa | <i>Musa champa</i> L. | Musaceae |
| 26 | Kazi Nemu | <i>Citrus limon.</i> (L.) Burm.f. | Rutaceae |
| 27 | Gool Nemu | <i>Citrus jambhiri</i> Lush. | Rutaceae |
| 28 | Bokul | <i>Mimusops elengi</i> L. | Sapotaceae |
| 29 | Nol tenga | <i>Tetrastigma leucostaphylum</i> (Dennst.) Alston | Vitaceae |
| 30 | Sal Kuwari | <i>Aloe barbadensis</i> L. | Asphodelaceae |
| 31 | Coconut | <i>Cocos nucifera</i> L. | Arecaceae |
| 32 | Phutuka | <i>Melastoma malabathricum</i> L. | Melastomataceae |
| 33 | Banana | <i>Musa paradisiaca</i> Linn. | Musaceae |
| 34 | Snake Plant | <i>Dracaena trifasciata</i> (Prain) Mabb | Asparagaceae |
| 35 | Palm tree | <i>Chrysalidocarpus lutescens</i> H. Wendl. | Arecaceae |
| 36 | Godhuli Gopal | <i>Mirabilis jalapa</i> L. | Nyctaginaceae |
| 37 | Horu manimuni | <i>Hydrocotyle sibthorpioides</i> Lam. | Araliaceae |
| 38 | Mosondori | <i>Houttuynia cordata</i> Thumb. | Saururaceae |

| | | | |
|----|-----------------|--|-----------------------------|
| 39 | Dupor Tenga | <i>Bryophyllum pinnatum</i> (Lam.) Oken | Crassulaceae |
| 40 | Bikhuloy Koroni | <i>Alternanthera bettzickiana</i> (Regel) G.Nicholson | Amaranthaceae |
| 41 | Manimuni | <i>Centella asiatica</i> L. | Apiaceae or Umbelliferae |
| 42 | Tenegachi | <i>Oxalis corniculata</i> L. | Oxalidaceae |
| 43 | Robab Tenga | <i>Citrus maxima</i> Merr. | Rutaceae |
| 44 | Modhu-huleng | <i>Polygonum microcephalum</i> D. Don | Polygonaceae |
| 45 | Doron bon | <i>Leucas aspera</i> (Willd.) Link | Lamiaceae |
| 46 | Dhekia | <i>Diplazium esculentum</i> (Retz) Sw. | Athyriaceae |
| 47 | Kochu | <i>Colocasia esculenta</i> (L.) Schott | Araceae |
| 48 | Mati Kaduri | <i>Alternanthera sessilis</i> (L.) R.Br. ex DC. | Amaranthaceae |
| 49 | Nayantora | <i>Catharanthus roseus</i> (L.) G. Don | Apocynaceae |
| 50 | Amlokhi | <i>Embllica officinalis</i> L. | Euphorbiaceae |
| 51 | Kpou Phool | <i>Rhynchostylis retusa</i> (L.) Linn. Blume | Orchidaceae |
| 52 | Tulasi | <i>Ocimum basilicum</i> L. | Lamiaceae |
| 53 | Jaluk | <i>Piper nigrum</i> L. | Piperaceae |
| 54 | Bhatou Phool | <i>Papilionanthe teres</i> (Roxb.) Schltr. | Orchidaceae |
| 55 | Tamul | <i>Areca catechu</i> L. | Arecaceae |
| 56 | Money plant | <i>Epipremnum aureum</i> (Linden & Andre) G.S. Bunting | Araceae |
| 57 | Rose | <i>Rosadamascena</i> | Rosaceae |
| 58 | Kothona | <i>Tabernaemontana divaricata</i> R.Br. ex Roem. & Schult | Apocynaceae |
| 59 | Almonda | <i>Allamanda schottii</i> Pohl | Apocynaceae |
| 60 | Bogza bohok | <i>Justicia adhatoda</i> L. | Acanthaceae |
| 61 | Nephafu | <i>Clerodendrum glandulosum</i> Lindl. | Lamiaceae |
| 62 | Sewali | <i>Nyctanthes arbor-tristis</i> L. | Oleaceae |
| 63 | Khorikajai | <i>Jasminum multiflorum</i> (Burm. f.) Andrews | Oleaceae |
| 64 | Tita Bhekuri | <i>Solanum violaceum</i> Ortega | Solanaceae |
| 65 | Dhopat Tita | <i>Clerodendrum infortunatum</i> L. | Lamiaceae |
| 66 | Dalim | <i>Punicagranatum</i> | Lythraceae |
| 67 | Nora Bagari | <i>Prunus persica</i> (L.) Stokes | Rosaceae |
| 68 | Chatiyana | <i>Alstonia scholaris</i> (L.) R. Br. | Apocynaceae |

| | | | |
|----|-------------------|--|---------------|
| 69 | Bhat Ghila | <i>Oroxylum indicum</i> (L.) Kurz. | Bignoniaceae |
| 70 | Bhumloti | <i>Celastrus hindsii</i> Benth | Celastraceae |
| 71 | Aam | <i>Mangifera indica</i> L. | Anacardiaceae |
| 72 | Dimoru | <i>Ficus racemosa</i> L. | Moraceae |
| 73 | Simolu | <i>Bombax ceiba</i> L. | Malvaceae |
| 74 | Acacia | <i>Acacia longifolia</i> (Andrews.) Wild. | Fabaceae |
| 75 | Bamboo | <i>Bambusa</i> sp. | Poaceae |
| 76 | Gomari | <i>Gmelina arborea</i> Roxb. | Lamiaceae |
| 77 | Togor / Gondhoraj | <i>Gardenia jasminoides</i> J. Ellis. | Rubiaceae |
| 78 | Banana | <i>Musa paradisiaca</i> L. | Musaceae |
| 79 | Tamul | <i>Areca catechu</i> L. | Arecaceae |
| 80 | Jaluk | <i>Piper nigrum</i> L. | Piperaceae |

List of plants with local name, Scientific name and family planted at the road side of the college entrance

| Sl No. | Local name | Scientific name | Family |
|--------|------------|--------------------------------------|----------------|
| 1. | Bokul | <i>Mimusops elengi</i> L. | Sapotaceae |
| 2 | Aamlakhi | <i>Phyllanthus emblica</i> L. | Phyllanthaceae |
| 3 | Madhuri | <i>Psidium guajava</i> L. | Myrtaceae |
| 4 | Sewali | <i>Nyctanthes arbor-tristis</i> | Oleaceae |
| 5 | Dalim | <i>Punica granatum</i> L. | Lythraceae |
| 6 | Poramlakhi | <i>Phyllanthus acidus</i> L. | Phyllanthaceae |
| 7 | Leteku | <i>Baccurea motleyana</i> Mull. Arg. | Phyllanthaceae |
| 8 | Kordoi | <i>Averrhoa carambola</i> L. | Oxalidaceae |
| 9 | Aam | <i>Mangifera indica</i> L. | Anacardiaceae |
| 10 | Lichu | <i>Litchi chinensis</i> Sonn. | Sapindaceae |
| 11 | Sunaru | <i>Cassia fistula</i> L. | Fabaceae |
| 12 | Rangol | <i>Ixora coccinea</i> L. | Rubiaceae |

E. Faunal diversity in the college campus: Kakojan college exhibit a rich faunal diversity, including various species of insects, amphibians, reptiles, birds, and mammals.

List of fauna with local name and scientific name found inside the college campus

| S.No | Fauna group | Local name/Common name | Scientific name |
|------|-------------|------------------------|-----------------------------|
| 1 | Birds | House Crow | <i>Corvus splendens</i> |
| 2 | Birds | Sparrow | <i>Passer domesticus</i> |
| 3 | Birds | Pigeon | <i>Columba livia</i> |
| 4 | Birds | Moyna (Common Myna) | <i>Acridotheres tristis</i> |
| 5 | Birds | Bulbul | <i>Pycnonotus cafer</i> |

| | | | |
|----|---------------|----------------------|-----------------------------------|
| 6 | Birds | Dove | <i>Streptopelia decaocto</i> |
| 7 | Birds | Owl | <i>Bubo bengalensis</i> |
| 8 | Mammals | Monkey | <i>Macaca mulatta</i> |
| 9 | Mammals | Dog | <i>Canis lupus familiaris</i> |
| 10 | Mammals | Cat | <i>Felis catus</i> |
| 11 | Mammals | Squirrel | <i>Funambulus palmarum</i> |
| 12 | Mammals | Mice | <i>Mus musculus</i> |
| 13 | Mammals | Rat | <i>Rattus rattus</i> |
| 14 | Mammals | Bat | <i>Pteropus spp.</i> |
| 15 | Reptiles | Wall Lizard | <i>Hemidactylus frenatus</i> |
| 16 | Reptiles | Common Garden Calote | <i>Calotes versicolor</i> |
| 17 | Reptiles | Non-Venomous Snake | <i>Python molurus</i> |
| 18 | Reptiles | Scorpion | <i>Heterometrus spp.</i> |
| 19 | Amphibians | Frog | <i>Hoplobatrachus tigerinus</i> |
| 20 | Amphibians | Toad | <i>Duttaphrynus melanostictus</i> |
| 21 | Invertebrates | Snail | <i>Achatina fulica</i> |
| 22 | Invertebrates | Earthworm | <i>Pheretima posthuma</i> |
| 23 | Invertebrates | Leech | <i>Hirudinaria granulosa</i> |
| 24 | Insects | Butterfly | <i>Danaus chrysippus</i> |
| 25 | Insects | Ants | <i>Solenopsis spp.</i> |
| 26 | Insects | Cockroach | <i>Periplaneta americana</i> |
| 27 | Insects | Grasshopper | <i>Omocestus viridulus</i> |
| 28 | Insects | Beetle | <i>Coleoptera (order)</i> |
| 29 | Insects | Wasps | <i>Vespidae (family)</i> |
| 30 | Insects | Mosquito | <i>Culex spp., Anopheles spp.</i> |
| 31 | Insects | Spider | <i>Araneae (order)</i> |

F. Biodiversity Conservation and Green Campus Initiatives

Kakojan College is dedicated to promoting environmental sustainability through continuous efforts toward biodiversity conservation, ecological restoration, and the development of a clean and green campus environment. The institution strongly believes that educational institutions play a vital role in nurturing environmentally responsible citizens and fostering awareness about sustainable living practices. In alignment with this vision, the college

has undertaken several green initiatives aimed at conserving natural resources, enhancing biodiversity, and encouraging community participation in environmental protection activities.

The major components of the college's Green Campus and Biodiversity Conservation Programme are outlined below:

Organic Model Garden and Organic Input Production Unit

As an important step toward sustainable environmental practices, the college has established an Organic Model Garden and Organic Input Production Unit in collaboration with local non-governmental organizations (NGOs) and international environmental agencies. This initiative reflects the institution's commitment to promoting sustainable agriculture, organic farming, and eco-friendly rural development practices.

The project serves as a practical demonstration centre for environmentally sustainable agricultural techniques and provides students with hands-on exposure to organic farming methods and agro-based entrepreneurial activities. Through this initiative, students gain valuable experiential learning opportunities related to compost preparation, organic manure production, vermicomposting, biofertilizers, natural pest management, and sustainable cultivation practices.

The organic input production unit also contributes significantly to reducing the dependence on chemical fertilizers and synthetic pesticides by producing eco-friendly agricultural inputs within the campus itself. In addition to its educational significance, the model garden functions as a live demonstration and training centre where students, local farmers, and community members can observe and learn sustainable farming techniques. The initiative encourages environmental awareness, promotes sustainable livelihoods, and strengthens the institution's role in advancing ecological responsibility and green development practices within the region.

Tree Plantation Drives: A Plantation Drive was organized by the NSS Unit of Kakojan College on the occasion of *SEVA SAPTAH 2025* on 19th September 2025 at Sector-B of the college campus. The programme was undertaken with the objective of promoting environmental awareness, encouraging community participation in ecological conservation, and enhancing the green cover of the institution.

The plantation programme was conducted under the guidance and support of the Honourable Principal of the college. The NSS Programme Officer, faculty members, and NSS volunteers enthusiastically participated in the initiative, demonstrating their collective commitment toward environmental protection and sustainable development.

During the drive, various saplings of fruit-bearing and timber-yielding plant species were planted across Sector-B of the campus to strengthen biodiversity and improve the ecological health of the area. The initiative contributed significantly to increasing the greenery of the campus while also promoting awareness regarding the importance of tree plantation and environmental conservation among students. The plantation drive not only enhanced the aesthetic and ecological value of the campus but also helped instill a sense of environmental responsibility, social commitment, and sustainable living practices among the student community.



Environmental Awareness and Community Outreach

Kakojan College actively promotes environmental awareness and community engagement through seminars, awareness programmes, workshops, outreach activities, and the observance of important environmental days. Through the coordinated efforts of different academic departments, the NSS Unit, Eco Club, Science Club, and the Internal Quality Assurance Cell (IQAC), the college continuously works towards creating environmental consciousness among students, faculty members, and the surrounding community. These initiatives aim to encourage sustainable practices, biodiversity conservation, pollution control, and responsible environmental stewardship.

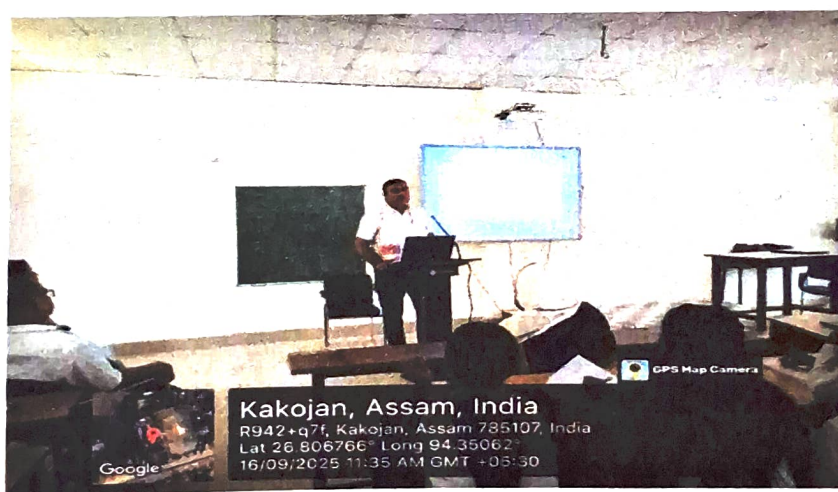
The major programmes and activities organized by the college are presented below in chronological order:

World Environment Day 2025



World Environment Day 2025 was observed on 5th June 2025 under the theme “*Beat Plastic Pollution.*” The programme was organized by the Science Club of the college in collaboration with IQAC. Mr. Sanjib Bora, Assistant Professor, Department of Physics, served as the resource person and delivered an informative lecture on environmental conservation, the harmful effects of plastic pollution, and the importance of adopting eco-friendly and sustainable practices in everyday life.

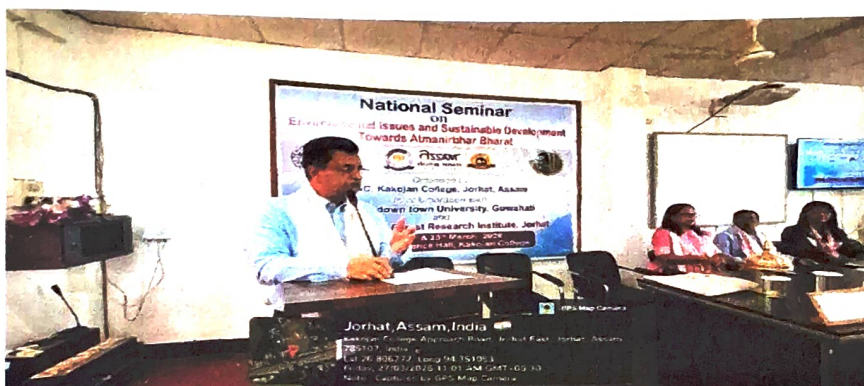
World Ozone Day 2025



An awareness programme on the occasion of *World Ozone Day 2025* was organized on 16th September 2025 by the Eco Club of the college in collaboration with IQAC. The programme featured Mr. Ashish Pratim Hazarika, Assistant Professor, Department of Botany, as the resource person. He delivered an insightful talk on the theme “*From Science to Global Action,*” emphasizing the importance of scientific awareness and collective global efforts for the protection of the ozone layer and the environment.

National Seminar on Environmental Issues and Sustainable Development

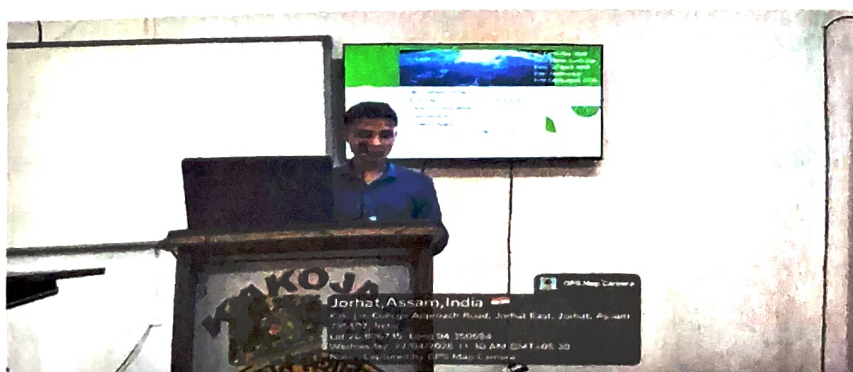
A two-day National Seminar was organized by the college on 27th and 28th March 2026 on the theme “*Environmental Issues and Sustainable Development towards Atmanirbhar Bharat.*” The seminar was conducted in collaboration with Assam down town University and ICFRE-Rain Forest Research Institute.



The seminar brought together academicians, researchers, environmentalists, and students to deliberate on contemporary environmental challenges, sustainable development strategies, biodiversity conservation, climate change, and eco-friendly developmental approaches aligned with the vision of an *Atmanirbhar Bharat*. The programme provided a valuable platform for academic discussion, knowledge sharing, and awareness generation on environmental sustainability.

Earth Day 2026

Earth Day 2026 was celebrated on 22nd April 2026 by the Department of Chemistry in collaboration with IQAC under the theme “*Our Power, Our Planet.*” The programme focused on enhancing environmental awareness and encouraging sustainable environmental practices among students and staff.



The event commenced with an inaugural address by Dr. Rashmi Rekha Saikia, Principal of the college, who highlighted the role of educational institutions in promoting environmental responsibility and sustainable development. Dr. Siddhartha Kr. Bhorodwaj, Assistant Professor, Department of Chemistry, delivered an informative lecture on environmental issues and motivated students to adopt environmentally responsible habits and lifestyles.

International Day for Biological Diversity 2026

The Department of Botany, in collaboration with IQAC, celebrated the *International Day for Biological Diversity 2026* on 22nd May 2026 under the theme “*Acting Locally for Global Impact.*” As part of the observance, a Special Talk on Biodiversity was organized to create awareness about the significance of biodiversity conservation and sustainable environmental practices.

The resource person for the programme was Dr. Nibedita Gogoi, Assistant Professor, Department of Zoology, who discussed the importance of conserving biological diversity and emphasized the role of individuals and communities in protecting natural resources. The programme was inaugurated by Dr. Rashmi Rekha Saikia, Principal of the college, who encouraged active participation in biodiversity conservation initiatives and environmental protection activities for a sustainable future.



Through these programmes and outreach initiatives, the college continues to strengthen environmental awareness, foster ecological responsibility, and promote sustainable practices among students and the wider community.

Medicinal Plant Garden: The college has established a model medicinal plant garden within the main campus. This garden is managed and monitored by the Department of Botany and houses a wide variety of medicinal and rare plant species. It serves as a live laboratory for students, promoting awareness about the importance of traditional knowledge and biodiversity conservation.

G. Solid Waste Management

Kakojan College has developed a systematic solid waste management system focused on waste segregation, recycling, reuse, and environmental awareness. Guided by its environmental management policies, the college actively promotes sustainable waste management practices among students, faculty members, and the surrounding community to maintain a clean and eco-friendly campus environment.

Waste Segregation and Processing

The college segregates waste into biodegradable and non-biodegradable categories for effective management.

- **Biodegradable Waste:** Organic waste generated on campus is processed through vermicomposting and converted into nutrient-rich compost, which is used in gardens and plantation areas within the campus.
- **Non-Biodegradable Waste:** Plastic and other synthetic wastes are managed through recycling and reuse initiatives, particularly through the Eco-Brick Project.

Recycling and Reuse Initiatives

The institution has adopted several measures to encourage recycling and minimize waste generation:

1. Waste paper is collected and sent to authorized recycling vendors, while single-sided paper is reused for writing and printing purposes.
2. Metal and wood waste generated from laboratories and maintenance activities are stored separately and handed over to registered scrap dealers for recycling.
3. Through the Eco-Brick Project, conducted in collaboration with the NSS unit, students collect plastic waste and convert it into eco-bricks used for small construction and landscaping purposes.
4. Empty laboratory bottles are reused for sample storage and preservation, reducing the use of disposable containers.

Reduction of Single-Use Plastics

The college actively discourages the use of single-use plastics through:

- Operation of the Eco-Brick initiative,
- Reuse policies for office and laboratory materials, and
- Awareness programmes, rallies, seminars, and cleanliness drives conducted by the NSS unit and other student bodies.

Community Participation and Awareness

The college extends its waste management and environmental awareness activities beyond the campus through community outreach programmes and awareness campaigns in nearby areas. Students actively participate in educating the public about proper waste disposal methods, recycling practices, and the harmful effects of plastic pollution.

Through collaboration with local vendors, scrap dealers, and NGOs, the college continues to strengthen its sustainable waste management practices and promote environmental responsibility among all stakeholders.

Vermicomposting at Kakojan College

As part of its sustainable waste management and green campus initiatives, Kakojan College has adopted vermicomposting as an eco-friendly method for managing biodegradable waste generated within the campus. Organic waste materials such as dry leaves, plant residues, garden waste, and biodegradable food waste are systematically collected and processed through vermicomposting units established on the campus.

H. Hazardous Waste Management

Kakojan College follows proper safety measures for the handling, segregation, storage, and disposal of hazardous waste generated mainly from laboratories and maintenance activities. Hazardous materials such as laboratory chemicals, broken glassware, and certain plastic wastes are managed according to environmental safety guidelines and institutional protocols.

The major practices include:

1. Segregation of hazardous waste into separate categories.
2. Use of properly labeled and secure containers for temporary storage.
3. Safe disposal methods following standard environmental and laboratory safety norms.
4. Awareness and safety training for students and laboratory staff regarding the handling of hazardous substances.

These measures help prevent environmental contamination and ensure safe waste management practices on campus.

I. E-Waste Management

Although the quantity of electronic waste generated by the college is limited, the institution takes necessary steps for its proper management and disposal.

The major e-waste management practices include:

1. Collection and segregation of damaged or outdated electronic devices such as computers and printers.

2. Repair and reuse of electronic materials whenever possible, including refilling printer cartridges.
3. Collaboration with local recycling agencies for environmentally safe disposal and recycling of e-waste.
4. Secure storage of unusable electronic items until proper disposal procedures are carried out.

These initiatives promote responsible e-waste management and encourage the culture of reuse and recycling within the campus.

J. Strategies for Pollution Reduction

The college has adopted several measures to reduce environmental pollution and promote sustainable campus practices. The major initiatives include:

1. Installation of rainwater harvesting systems for efficient water management.
2. Promotion of a plastic-free campus through awareness programmes and eco-brick initiatives.
3. Energy conservation through the use of LED lights, energy-efficient appliances, and regular energy monitoring.
4. Encouragement of waste reduction, recycling, vermicomposting, and bio-composting practices.
5. Regular plantation drives and maintenance of green spaces to improve air quality and conserve biodiversity.
6. Conducting environmental awareness programmes for students and the local community to promote sustainable living practices.

These efforts contribute significantly to maintaining a healthy, clean, and eco-friendly campus environment.

K. Noise Control Measures

To maintain a peaceful and conducive academic atmosphere, the college has implemented basic noise control measures, particularly in classrooms, libraries, and examination halls.

The major noise control strategies include:

1. Regulation of activities to minimize disturbances during academic hours.
2. Awareness among students and staff regarding the harmful effects of noise pollution and the importance of maintaining quiet zones.
3. Monitoring of sound levels during college events and programmes.

These measures help create a calm and healthy environment that supports academic activities and overall well-being.

L. Safety Measures for Occupational and Communicable Diseases

Kakojan College is committed to ensuring a safe, healthy, and hygienic environment for students, faculty members, staff, and visitors. The institution actively promotes awareness and preventive measures related to occupational health and communicable diseases through proper safety practices, health awareness programmes, and campus sanitation initiatives.

The college adopts necessary precautions in laboratories, workplaces, classrooms, and common areas to minimize health risks and ensure occupational safety. Regular awareness programmes, cleanliness drives, and health-related campaigns are conducted to educate students and staff about disease prevention, personal hygiene, sanitation, and safe working practices.

The institution also emphasizes:

1. Maintenance of clean and hygienic campus surroundings.
2. Safe laboratory practices and proper handling of chemicals and equipment.
3. Awareness regarding communicable diseases and preventive healthcare measures.
4. Availability of first-aid facilities and basic medical support on campus.
5. Promotion of healthy practices such as proper sanitation, safe drinking water, and waste management.

Cleanliness Initiatives and Prevention of Occupational and Communicable Diseases

As part of its commitment to maintaining a healthy and hygienic campus environment, Kakojan College regularly organizes cleanliness and awareness programmes aimed at reducing the risk of occupational and communicable diseases. These initiatives help promote personal hygiene, environmental sanitation, responsible behaviour, and public health awareness among students and staff.

No Spitting Awareness Campaign

A *No Spitting Campaign* was organized by the NSS Unit of the college on 31st October 2025 within the college campus. The programme was conducted with the objective of promoting hygiene, public health, and responsible civic behaviour among students. The campaign focused on creating awareness regarding the harmful effects of spitting in public places, which can contribute to the spread of communicable diseases and create unhygienic surroundings.



A total of 38 NSS volunteers actively participated in the awareness drive. Through this initiative, students were sensitized about the importance of maintaining cleanliness and adopting healthy habits to prevent disease transmission and ensure a safer campus environment.

Swachhata Hi Seva Cleanliness Drive

On 25th September 2025, the NCC Unit of the college organized a cleanliness drive under the nationwide *Swachhata Hi Seva* campaign. The programme was conducted under the theme “*Ek Din, Ek Ghanta, Ek Saath Shramdaan*” (One Day, One Hour, Together Voluntary Labour), encouraging collective participation and social responsibility among students.



A total of 60 NCC cadets enthusiastically participated in the cleanliness drive and contributed towards campus sanitation and environmental cleanliness. The programme aimed to spread awareness regarding hygiene, waste management, and the prevention of diseases associated with unclean surroundings. The initiative reflected the values of discipline, community service, and environmental responsibility promoted by the NCC and motivated students to actively contribute toward building a cleaner, healthier, and disease-free society.

M. Eco-Friendly Practices in the College Campus

Kakojan College actively integrates eco-friendly and sustainable practices into its academic, administrative, and campus activities. Guided by its Environmental Management Policy, the college promotes environmental conservation through resource management, renewable energy use, waste reduction, biodiversity conservation, and environmental awareness programmes.

Institutional Framework for Sustainability

To implement and monitor green initiatives, the college has constituted an Environment Management Committee under the chairmanship of the Principal, Dr. Rashmi Rekha Saikia. The committee is responsible for planning sustainability activities, conducting environmental audits, organizing awareness programmes, and ensuring environmental compliance within the campus.

Major Eco-Friendly Practices

The college has adopted several environmentally sustainable practices, including:

- Promotion of paperless communication through digital platforms such as WhatsApp groups and online communication systems to reduce paper consumption.
- Organization of seminars, rallies, workshops, and awareness programmes on topics such as organic farming, waste management, energy conservation, biodiversity conservation, and plastic pollution.
- Implementation of an integrated waste management system involving waste segregation, vermicomposting, bio-composting, eco-brick production, and responsible e-waste disposal.
- Adoption of renewable energy and energy-efficient practices through the installation of 17 solar lights, use of LED lighting, energy-efficient appliances, and promotion of responsible electricity usage habits.
- Development of an Organic Model Garden and production of organic inputs as part of the college's sustainable agriculture initiative, which also serves as a practical training centre for students and local farmers.
- Implementation of rainwater harvesting systems and promotion of water conservation awareness within the campus.

Training, Monitoring, and Sustainability Goals

The college regularly conducts training programmes and capacity-building workshops for teaching and non-teaching staff on green practices, waste management, and sustainable

resource utilization. Periodic green and environmental audits are conducted to assess the institution's performance in areas such as energy management, waste management, water conservation, and environmental awareness.

The institution follows the principle of "*Think Globally, Act Locally*" and remains committed to long-term sustainability goals, including:

- Increased use of renewable energy,
- Reduction and recycling of waste,
- Expansion of green spaces and biodiversity conservation, and
- Promotion of environmental literacy among students and surrounding communities.

Through these initiatives, the college continues to strengthen its commitment toward building a clean, green, and environmentally responsible campus.

Conclusion:

Kakojan College has demonstrated a strong commitment towards environmental sustainability through the successful implementation of various eco-friendly practices and green campus initiatives. The Green Audit reveals that the institution has made significant progress in areas such as energy conservation, renewable energy utilization, water management, waste management, biodiversity conservation, pollution control, and environmental awareness generation.

The college has effectively integrated sustainable practices into its academic and administrative framework through initiatives such as rainwater harvesting, solar lighting, vermicomposting, eco-brick production, organic farming, plantation drives, and awareness programmes on environmental conservation. The active participation of students, faculty members, NSS volunteers, NCC cadets, and various institutional committees has greatly contributed to the success of these initiatives and helped foster a culture of environmental responsibility within the campus.

The institution's continuous efforts in promoting cleanliness, reducing plastic use, conserving natural resources, and encouraging sustainable lifestyles reflect its dedication toward creating a healthy, green, and environmentally conscious academic environment. Furthermore, the organization of seminars, workshops, outreach programmes, and observance of important environmental days has strengthened environmental literacy and community engagement.

The findings of the Green Audit indicate that the college is steadily progressing towards becoming a sustainable and environmentally responsible institution. With continued commitment, regular monitoring, and the adoption of advanced green technologies and

sustainable practices, the college has the potential to emerge as a model green campus and a centre for environmental stewardship, contributing positively toward ecological conservation and sustainable development for future generations.

Recommendations

Based on the observations and findings of the present Green Audit, it is evident that Kakojan College has successfully implemented several recommendations proposed in the previous audit. Significant progress has been observed in areas such as installation of solar lighting systems, promotion of paperless communication, rainwater harvesting, vermicomposting, eco-brick production, awareness campaigns on environmental sustainability, plantation drives, biodiversity conservation, and adoption of energy-efficient practices. The institution has also strengthened environmental awareness among students and staff through seminars, workshops, cleanliness drives, and community outreach programmes.

However, there remains further scope for improvement in order to enhance the institution's environmental sustainability and move toward becoming a model green campus. Based on the current assessment, the following recommendations are proposed for future implementation:

1. While solar lighting facilities have been introduced successfully, the college may further expand renewable energy usage by installing rooftop solar panels for classrooms, laboratories, office buildings, and hostel facilities.
2. Sensor-based taps, automatic water control systems, and low-flow sanitary fixtures may be installed to minimize water wastage and improve water-use efficiency.
3. A dedicated waste management and monitoring centre may be established for systematic segregation, storage, recycling, and documentation of campus waste generation.
4. The college may develop a digital database for documenting campus biodiversity, tree census records, medicinal plants, and environmental initiatives for long-term monitoring and research purposes.
5. Additional plantation of indigenous, medicinal, and rare plant species may be undertaken to strengthen biodiversity conservation and create educational demonstration zones for students.
6. The institution may encourage bicycle use, carpooling, and eco-friendly transportation practices among students and staff to reduce carbon emissions.

7. Formal collaboration with certified e-waste recycling agencies may be established to ensure safe disposal and scientific management of electronic waste.
8. Informative signboards promoting environmental ethics, waste segregation, energy conservation, biodiversity awareness, and water conservation may be installed throughout the campus.
9. More hands-on training programmes, workshops, and certificate courses related to organic farming, waste recycling, renewable energy, and sustainable living may be introduced for students and local communities.
10. The college may initiate periodic carbon footprint assessments to evaluate greenhouse gas emissions and formulate strategies for achieving a low-carbon and climate-resilient campus.
11. Regular documentation, photographic records, and annual monitoring of environmental indicators may be maintained for effective evaluation of sustainability initiatives and future planning.
12. The institution may encourage interdisciplinary student projects and research activities related to environmental sustainability, biodiversity conservation, renewable energy, and climate change mitigation.

The successful implementation of earlier recommendations demonstrates the college's sincere commitment to environmental protection and sustainable development. Continued institutional support, stakeholder participation, and regular monitoring will further strengthen the college's green campus initiatives and help establish it as an environmentally responsible and sustainability-oriented educational institution.

DEPARTMENT OF ZOOLOGY
JAGANNATH BAROOAH UNIVERSITY, JORHAT, ASSAM -
785001

(A State University under JBU ACT 2023 of the Govt of Assam, Recognised by UGC Act, 1956 under provision of Section 2(f))

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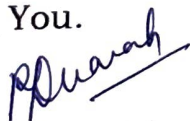
Acknowledgement from the External Auditor

I express my sincere gratitude to the Internal Green Audit Committee and the College Authorities of Kakojan College for their valuable support, cooperation, and hospitality extended during the conduct of the Green Audit. The active involvement of the Internal Green Audit Committee, systematic documentation, and transparent sharing of information greatly facilitated the smooth and successful completion of the audit process. I highly appreciate the sincere efforts made by the college administration, faculty members, non-teaching staff, and students in implementing various environmental sustainability initiatives and maintaining a clean, green, and eco-friendly campus environment.

It is encouraging to observe the institution's commitment towards sustainable development through practices related to energy conservation, waste management, biodiversity conservation, water management, and environmental awareness generation. The enthusiastic participation of all stakeholders reflects the college's strong environmental consciousness and dedication toward creating a sustainable future.

I am thankful for the opportunity to conduct this Green Audit and sincerely hope that the observations and recommendations provided in this report will further strengthen the institution's environmental management practices and support its vision of becoming a model green campus.

Thanking You.



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