

# GREEN AUDIT REPORT

Session: 2021-2022



Prepared By:

**INTERNAL QUALITY ASSURANCE CELL**

**KHAGARIJAN COLLEGE, NAGAON, ASSAM**

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## ACKNOWLEDGEMENTS

The Internal Audit Evaluation Committee offers due gratitude to the Principal of Khagarijan College for assigning this important task of Green Audit upon the selected group of individuals.

Special thanks are due to:

- ☼ Khagarijan College Management Committee
- ☼ Principal of the Khagarijan College – Dr. Ramesh Nath
- ☼ Vice-Principal of the Khagarijan College – Dr. Jonaram Nath
- ☼ IQAC Co-ordinator of Khagarijan College – Dr. Rameswar Kurmi
- ☼ External Green Audit Evaluator – Dr. Sanjeeb Kumar Nath, Associate Professor, Dept of Botany, Dhing College, Nagaon, Assam
- ☼ Dr. Afifa Kausar, Assistant Professor, Department of Zoology, ADP College, Nagaon
- ☼ Faculty members, Khagarijan College
- ☼ Office Staff, Khagarijan College
- ☼ Students, Khagarijan College

We also offer due credit and heartfelt gratitude to all who helped us carry out this vital exercise and gave all necessary inputs. We are also thankful to all the members who were actively involved while collecting the data, conducting field measurements, tabulating the data, and analysing the same.

## BACKDROP

As per the directive of the National Assessment and Accreditation Council, New Delhi (NAAC), it has been given mandatory that an annual Green Audit has to be done in all Higher Education Institutes and a report of the same has to be submitted as a part of NAAC appraisal. This also seeks to fulfill the motive of the country's Higher Educational Institutions, engaging the young minds and faculty to deliberate and contribute towards the reduction of global warming.

Thereby, as a part of the preparation for the NAAC assessment, following the NAAC Circular on Green Audit; the College Authority have ventured to conduct the same with an external inspection by **Dr. Sanjeeb Kumar Nath, HoD and Associate Professor, Dept of Botany, Dhing College, Nagaon, Assam** and **Dr. Afifa Kausar, Assistant Professor, Dept of Zoology, ADP College, Nagaon, Assam.**

This audit focuses on the entire campus premise, waste management, energy management, and water management; deliberating on strategies and initiatives taken up by the College Authority. The structure and details of the appraisal are explained below.



## CONCEPT

The growth of technology as well as various scientific practices also brings to the forefront environmental concerns which take an important place in the juncture between advancement and environment-friendly stakes. Environmental audits or Green audits are often understood as a type of survey, assessment, or review of the environment, as well as health, safety, and other aspects related to it. With the growing greenwashing, it becomes important for a thorough survey to be done to understand the intricate linkage of an institute with its surrounding green campus as well as the impact it has on the environment. Since there is no universal definition of Green Audit, the approach by the International Chambers of Commerce (ICC) in its publication of Environmental Auditing (1989) is taken as a standard to be adhered to.

### **The ICC defines environmental auditing as:**

*"a management tool comprising a systematic, documented periodic and objective evaluation of how well environmental organization, management and equipment are performing, with the aim of helping safeguard the environment by:*

- (i) facilitating management control of environmental practices and*
- (ii) assessing compliance with company policies which would include meeting regulatory requirements."*

As such the outcome of this audit should be supplemented with concrete evidence of the measures, strategies and initiatives of the institution.

## INTRODUCTION

The work of education is divided between the teacher and the environment.

- **Maria Montessori**

Educational institutions are the grassroots foundation of a successful nation. But a nation can sustain its success only if it has a feasible ecological balance. Thereby, the environment and its concerns are an irreplaceable part of a nation and hence also an educational institute. This sudden turn towards highlighting environmental issues has kickstarted the beginning of various underhanded initiatives like greenwashing which only shows how important the element of the environment has become in today's scenario. As such Educational Institutions are encouraged to maintain their surrounding environment for the growth of a sustainable campus ecosystem. Various initiatives like rainwater

harvesting and usage, waste recycling activities, energy conservation tactics, etc are implemented by institution authorities in collaboration with the students.

Thereby Green Auditing can be a check and survey mechanism to determine the status of institution's engagement with the environment and its policies. It is an official examination that determines the affect of the institution on the environment. It is a useful tool to determine the impact and alterations that the environment has faced due to the institution and offers a comprehensive outlook regarding the strategies that the institution has initiated regarding diversity of flora and fauna, water usage as well as energy management. This audit also creates an awareness regarding health consciousness, environmental awareness and promotion of ethics and values.

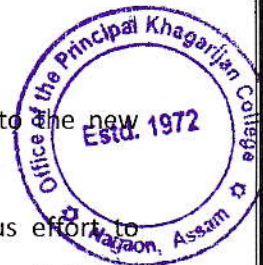
Green auditing further aids in building up financial savings through various ways of reduction in resource use, promoting responsibility and leadership qualities in students as they contribute to the growth of a Green Campus, as well as providing a platform for student, teacher and staff engagement apart from academic or administrative work. Further, regular planning activities helps an institution to set an example for the community and engage in further community development ventures too; increasing and encouraging community interaction for the betterment of the surrounding ecosystem. As such this evaluation is an important aspect of the holistic growth of an institution of impact, with sustainable goals in mind.

#### **OVERVIEW OF KHAGARIJAN COLLEGE**

Khagarijan College is one of the premier institutions of higher education in Nagaon district, Assam; a splendid temple of learning in sylvan surroundings. The College was established in September 1972. The word "Khagarijan" prestigiously displays the original name of Nagaon. The '*Putakollongjan*' flows behind the college, branching off from the river *Kollong*. '*Jan*' is a type of rivulet. '*Khagari*' refers to a type of long reed that grows along the banks of rivers. The two words '*Jan*' and '*Khagari*' joined together give the ancient name of Nagaon, '*Khagarijan*', which has been kept alive by this institution. By adopting the name, Khagarijan, the college has succeeded in rejuvenating the ancient roots and heritage of Nagaon town. The college is affiliated with Gauhati University and registered under 2(F) and 12(B) of the University Grants Commission Act, 1956.

Since its inception, the college has been a beacon by guarding the cause of education and moral upliftment of the students. The pursuit of knowledge has all along been the avowed objective of the institution and it has justified its existence despite a lot of obstacles standing in its way. Apart from





the dissemination of knowledge, the college aims to generate new values; relevant to the new generation of society.

The College, with a dedicated teaching and administrative staff, makes an assiduous effort to prepare the students for a good career; to face the stark realities of life, and help them build up character and personality to become responsible citizens of the country. It is a matter of pride that innumerable students have come to the college and left the campus after receiving their desired degrees, and they have made their marks in different levels of social, political, and academic life.

### **VISION**

The vision of Khagarijan College is to spread and promote higher education for the sustainable development of the nation.

### **MISSION**

To set a high standard of excellence in the preservation and creation of knowledge through Teaching-Learning and experiment and to serve as an effective instrument of development in the path of education, progress, and total awakening. Besides, we shall go always a little with a "BETTER EVERY DAY" spirit.

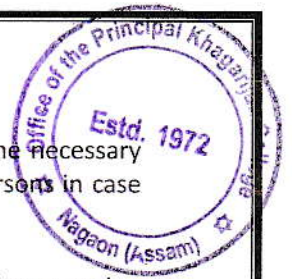
### **The Khagarijan College endeavour to achieve its vision by:**

- High standard of excellence in the preservation and creation of knowledge through teaching-learning and experiment and to serve as an effective instrument of development in the path of educational, progress and total awakening.
- The college tries to impart education of the higher-standard through value based and holistic approach and integrity of traditional and innovative practices.
- To create a platform for exploring creative potential and nurturing the spirit of entrepreneurship and critical thinking.
- Try to inculcate a strong belief in hard work and motivating for gender equality, human rights and ecology in order to make the student's socially responsible citizens.
- To achieve the potentiality for integration of multidisciplinary and trans-disciplinary approach for fulfilment of Mission Statement.

### **DETAILS OF PHYSICAL INFRASTRUCTURE**

The College has two streams' Arts and Commerce and has separate classrooms for the same. The College has a full-fledged Central Library, Computer Laboratory and Class Room, Separate Classrooms for General Courses and Major Courses, Smart Classrooms, Seminar Hall, etc. for the smooth conduction of the classes.

- There are 3 academic blocks for the smooth conduction of classes.
- The third building is recently constructed under RUSA Grant. Further construction is under process in Phase II.
- There are separate spaces allotted as Teachers' Common Room, Boys' Common Room, Alumni Association, IQAC, Health Centre, College Canteen, etc. inside the campus.
- Infrastructure for a full-fledged Indoor Stadium and Gym is available on the campus.



- As a Girls' Hostel, a one-storied building is available on the campus with all the necessary facilities. Also, a Sports Hostel is available within the premise to host sports persons in case of any sports event.
- A Basket Ball Court is available for use inside the college campus.
- A separate building for PG Assamese Department is available which hosts PG Classes and the Assamese Department Office. Beyond this, there is an Assam Type block for Department offices.

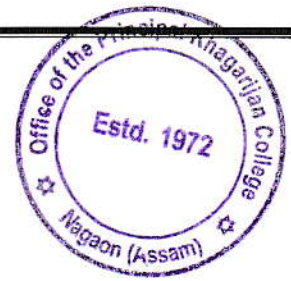
- **Total Campus Area: 3 .245 Acre Land**
- **Total Built Up AT+RCC Areas: 3032.073 Sq. Meter as shown below**

Sl. No.	Name	Total Sq. Meter
1	Sports' Hostel	224.68
2	Girls' Hostel	353.86
3	Indoor Stadium	346.21
4	New Building	593.5
5	Department Office Block.	519.97
6	Office	450.93
7	PG Building, Assamese	143.47
8	Library	97.22
9	Boys' Common Room	72.41
10	Canteen	98.21
11	Quarters	54.27
12	Toilet	77.28
<b>Total Built-Up Area</b>		<b>3032.73 Sq. Meter</b>

#### Administrative Block

- Principal Room: 1
- Room for Vice Principal: 1
- Office Room: 1





### **AUDIT OBJECTIVES**

The objective of this Audit is to assess the institution with respect to its surrounding backdrop. This audit is initiated to figure out the environment-friendly initiatives by the institution, to mark the eco-friendly steps taken to maintain a suitable green campus; focusing on sustainable development in the environmental concern.

#### **The objectives are detailed below:**

- To record the geographical status and document the land use pattern.
- To record the diversity of flora and fauna of the campus.
- To reflect upon the waste management system of the campus.
- To observe and record the drinking water supply of the campus.
- To record and analyze the environment-friendly activities of the College.

### **METHODOLOGY**

A team of two external experts visited the College on **19/05/2022** as per the appointment given by the Principal, Dr. Ramesh Nath, Khagarijan College, Nagaon. The expert team inspected all the geographical statuses and document the land use pattern, diversities of flora and fauna of the campus, the waste management system of the campus, the drinking water supply of the campus, and the environment-friendly activities of the college.

**We, Dr.Sanjeeb Kumar Nath, HoD and Associate Professor, Dept of Botany, Dhing College, and Dr.Afifa Kausar, Assistant Professor, Dept of Botany, ADP College evaluated the geographical statuses and suggested remedies based on the findings. On this basis, we, Dr.Sanjeeb Kumar Nath and Dr.Afifa Kausar have made the following observations: -**

### **EXTERNAL EVALUATOR**

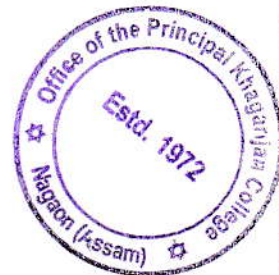
1. Dr.Sanjeeb Kumar Nath, HoD and Associate Professor, Dept of Botany, Dhing College
2. Dr. AfifaKausar, Assistant Professor, Dept of Botany, ADP College

### **INSTITUTIONAL GREEN AUDIT COMMITTEE**

1. Principal: Dr. Ramesh Nath
2. Member: Dr.Rameswar Kurmi
3. Member: Mrs. Rupali Talukdar
4. Member: Ms. Jharna Morang



5. Member: Ms. BichitraPegu
6. Member: Ms. Maitreyee Dutta
7. Member: Md. Mohazir Ahmed, Secretary, **Green Club**, Khagarijan College



### **EXECUTIVE SUMMARY**

Green audit refers to the status of the organization/institution/others with respect to its environment, adhering to the environmental laws and regulations in a specific time frame and space. This acts as a benchmark that can be seen as a reference for further development of the institution-environment ecosystem. As such there is a need for a mechanism to continue the audit regularly; avoiding which would result in this benchmark becoming outdated and of no further use, depicting a wrong image of the ecosystem equation.

Khagarijan College focuses on building an environmental consciousness in each student as well as the faculty members and other staff. As such, a lot of importance is placed on completing the Green Audit of the campus to figure out the present status which can act as a benchmark for future planning. The College has thus taken up this assessment to contribute towards environmental protection and awareness. The criteria for assessment are flora and fauna diversity, biodiversity conservation, water conservation and management, waste minimization, and its management, compliance to the environmental legislative that is set by NAAC and other authorities, and finally the initiatives taken up by the institution to contribute towards an environment-friendly atmosphere. The audit report is based on personal observation and analysis of data gathered through various survey-based tools.

### **GREEN AUDIT REPORT**

The *Biota* of campus is extremely crucial for an environmentally friendly development of an organization. The *biota* not only makes the surroundings healthier but also adds to the aesthetic natural beauty of the vicinity. The Khagarijan College campus plays a host to many numbers of plants and animal species, mainly birds and insects in the latter group.

Total open area = 3.245 Acre Land

Total built-upon area = 3032.073 Sq. Meter

Total plant species - 108

Total animal species - 9

The total Garden area inside the college = 1200.31 sq. meter



### Plantation Drives

The college has taken up the initiative to frequently organize plantation programs several times a year. Various units of the college like the NSS Unit, Village Adoption Committee, Women Forum, Students' Association, and other cells make it a mandatory slot in the itinerary of activities within an academic session. Plantation drives are carried out both within the campus and outside, often extending to remote areas too. From plants yielding fruits to medicinal species, a variety is planted with proper planning and assured prompt mandatory care for them to grow at a proper pace. These initiatives aid in the growth of the green surroundings as well as add to the diversity in the biota of the college campus.

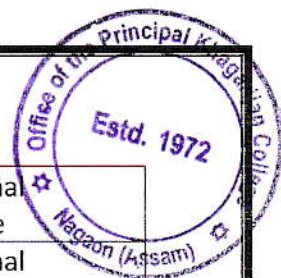
### Biota diversity of College Campus

The college campus is adjacent to the Kolong River. As such there is an intensive growth of a variety of plant species. A total of 108 plant species can be found within the campus, growing prolifically, and multiplying in quantities. 9 avian species are a common sight for the people within the campus which adds to the beauty of the green cover.

### Herbs in the College Campus

Sl. No	Scientific Name of the Plant	Local Name	Family	Uses
1	<i>Ageratum conyzoides</i>	Gondhoa-bon	Asteraceae	Medicinal plant
2	<i>Aloe barbadensis</i> Mill	Sal Kuwori	Xanthorrhoeaceae	Medicinal plant /Cosmetic use
3	<i>Alternanthera sessilis</i> R.Br. ex DC.	Mati-kanduri	Amaranthaceae	Herbal and ornamental plant
4	<i>Amaranthus spinosus</i>	Hatikhutura	Amaranthaceae	Food Plant
5	<i>Amaranthus viridis</i>	Khutura khak	Amaranthaceae	vegetable
6	<i>Bryophyllum pinnatum</i>	Dupar Bon	Crassulaceae	Popular house plan
7	<i>Cassia sophera</i>	Medelua	Fabaceae	Weed
8	<i>Cassia tora</i>	Soru-medelua	Fabaceae	Wild edible plants of Assam
9	<i>Centella asiatica</i> Urban.	Manimuni	Apiaceae	As a medicinal plant
10	<i>Chenopodium album</i>	Jilmil-sak	Chenopodiaceae	Edible Sak





35	<i>Tridax procumbens</i>	Putoli bon	Asteraceae	Traditional medicine
36	<i>Spilanthes paniculata</i> Wall. ex DC.	Parbati Bon	Asteraceae	Traditional medicine
37	<i>Polygonum microcephalum</i>	Modhu-Xuleng	Polygonaceae	Edible Plant
38	<i>Asparagus racemosus</i>	Satomul	Asparagaceae	Medicinal Plant
39	<i>Withania somnifera</i>	Aswagandha	Solanaceae	Medicinal Plant
40	<i>Cheilocostus speciosus</i>	Jom Lakhuti	Costaceae	Medicinal Plant
41	<i>Glycyrrhiza glabra</i>	Jesthamadhu	Fabaceae	Medicinal Plant
42	<i>Saraca asoca</i>	Ashoka	Fabaceae	Medicinal Plant
43	<i>Catharanthus roseus</i>	Nayantara	Apocynaceae	Ornamental Plant

#### Shrubs in the College Campus

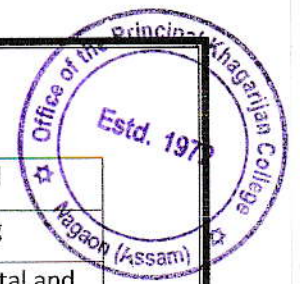
Sl. No	Scientific Name of the Plant	Local Name	Family	Uses
1	<i>Coleus scutellarioides</i>	Coleus	Lamiaceae	Ornamental Plant
2	<i>Tabernaemontana divaricate</i>	Kathana-phul	Apocynaceae	Flower
3	<i>Duranta erecta</i>	Duronta-kanta	Verbenaceae	Medicinal Plant
4	<i>Clitoria ternatea</i>	Aparajita	Fabaceae	Ornamental and Medicinal
5	<i>Rose balsam</i>	Keruphul	Balsaminaceae	Ornamental
6	<i>Epipremnum aureum</i>	Money Plant	Araceae	Ornamental
7	<i>Hibiscus rosa-sinensis</i>	Joba Phul	Malvaceae	Ornamental and Medicinal
8	<i>Bougainvillea sp.</i>	Kagaj-phul	Nyctaginaceae	Ornamental
9	<i>Dahlia spp.</i>	<i>Dahlia</i>	Asteraceae	Ornamental
10	<i>Rosa chinensis</i>	Golap	Rosaceae	Ornamental
11	<i>Photinia sp.</i>	<i>Photinia sp.</i>	Rosaceae	Ornamental
12	<i>Duranta erecta</i>	Jeora-goch	Verbenaceae	Hedge shrub
13	<i>Solenostemon</i>	Patbahar	Lamiaceae	Ornamental
14	<i>Gardenia jasminoides</i>	Gondharaj Togor	Rubiaceae	Ornamental
15	<i>Dieffenbachia seguine</i>	Tora Kachu	Araceae	Ornamental
16	<i>Chrysanthemum indicum</i>	Indramalati	Asteraceae	Ornamental
17	<i>Dracaena trifasciata</i>	Snake Plant	Asparagaceae	Ornamental



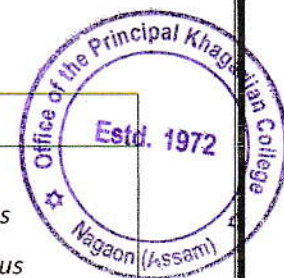
18	<i>Chromolaena odorata</i>	Jarmani bon	Asteraceae	Weeds
19	<i>Clerodendrum viscosum Vent.</i>	Bhat-phul	Lamiaceae	Medicinal
20	<i>Mimosa pudica</i>	Lajuki-lata	Mimosaceae	Weeds
21	<i>Ricinus communis</i>	Ara Goch	Euphorbiaceae	pharmaceutical and industrial uses
22	<i>Cajanus cajan</i>	Arahar	Fabaceae	Food Plant
23	<i>Dracaena draco</i>	Dracon	Asparagaceae	Ornamental

#### Trees in the College Campus

Sl. No	Scientific Name of the Plant	Local Name	Family	Uses
1	<i>Artocarpus heterophyllus Lam.</i>	Kothal	Moraceae	Fruit and Timber
2	<i>Azadirachta indica Juss.</i>	Neeem	Meliaceae	Medicinal
3	<i>Bombax ceiba</i>	Palash	Malvaceae	Timber and Ornamental
4	<i>Litchi chinensis Sonn.</i>	Lichu	Sapindaceae	Fruit
5	<i>Mangifera indica</i>	Mango	Anacardiaceae	Fruit and Timber
6	<i>Mesua ferrea</i>	Nahar	Calophyllaceae	Timber and Ornamental
7	<i>Murraya koenigii</i>	Narashimha	Rutaceae	Medicinal and food
8	<i>Psidium guajava</i>	Madhuri	Myrtaceae	Fruit
9	<i>Santalum album</i>	Chandan	Santalaceae	Traditional Oil used
10	<i>Tectona grandis</i>	Chegun	Lamiaceae	Timber
11	<i>Cascabela thevetia</i>	Halodhia-korobi	Apocynaceae	Ornamental and Medicinal
12	<i>Collistemon sp.</i>	Indian Puff	Myrtaceae	Ornamental
13	<i>Wodyetia bifurcata</i>	Fox tail Palm	Arecaceae	Ornamental
14	<i>Chrysalidocarpus lutescens</i>	Mumai Tamul	Arecaceae	Ornamental
15	<i>Psidium guajava</i>	Guava	Myrtaceae	Fruit
16	<i>Carica Papaya</i>	Amita	Caricaceae	Fruit
17	<i>Punica granatum</i>	Dalim	Lythraceae	Fruit
18	<i>Cascabela thevetia</i>	Karabi	Apocynaceae	Medicinal and Ornamental
19	<i>Sabal Palm</i>	Tokou	Arecaceae	Ornamental and Fruit

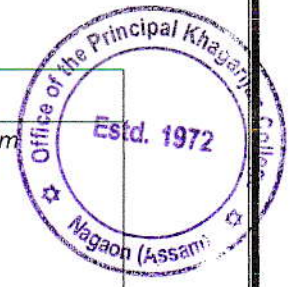


20	<i>Nyctanthes arbor-tristis</i>	Sewali	Oleaceae	Medicinal
21	<i>Saraca asoca</i>	Ashok Tree	Fabiaceae	Flowering
22	<i>Pinus sylvestris</i>	Pine	Pinaceae	Ornamental and Timber
23	<i>Ficus benamina</i>	Bor Nahori	Moraceae	Ornamental
24	<i>Phyllanthus emblica</i>	Amlakhi	Phyllanthaceae	Medicinal
25	<i>Cycas revoluta</i>	Moniraj Phul	Cycadaceae	Ornamental
26	<i>Murraya paniculata</i>	Kamini Kanchan	Rutaceae	Flowering
27	<i>Neolamarckia cadamba</i>	Kodom	Rubiaceae	Timber
28	<i>Bombax ceiba</i>	Simalu	Malvaceae	Timber
29	<i>Ficus lamponga</i>	Dimaru	Moraceae	Fruit and Timber
30	<i>Samanea saman</i>	Rain Tree	Fabaceae	Timber
31	<i>Punica granatum</i>	Dalim	Lythraceae	Fruit
32	<i>Syzygium cumini</i>	Kola Jamu	Myrtaceae	Fruit and Timber
33	<i>Zizyphus Jujuba</i>	Bogori	Rhamnaceae	Fruit
34	<i>Dypsis lutescens</i>	Areca	Arecaceae	Ornamental
35	<i>Mimusops elengi</i>	Bakul	Sapotaceae	Timber
36	<i>Xanthostemon chrysanthus</i>	golden penda	Myrtaceae	Ornamental
37	<i>Terminalia chebula</i>	Silikha	Combretaceae	Medicinal and Timber
38	<i>Ficus religiosa</i>	Aanhot	Moraceae	Timber
39	<i>Ficus rumphi</i>	Jori	Moraceae	Timber
40	<i>Ficus hispida L</i>	Dimoru	Moraceae	Timber



	English name	Scientific name
List of avian species available in the College campus	1. Barn Owl	<i>Tyto alba</i>
	2. House Crow	<i>Corvus splendens</i>
	3. House Sparrow	<i>Passer domesticus</i>
	4. Koel	<i>Alcedo hercules</i>
	5. Little Cormorant	<i>Phalacrocorax niger</i>
	6. Pigeon	<i>Columba livia</i>
	7. Red-vented Bulbul	<i>Pycnonotus cafer</i>
	8. Rose Ringed Parakeet	<i>Ceryle lugubris</i>
	9. Tree Sparrow	<i>Passer montanus</i>
	10. Cattle egret	<i>Bubulus ibis</i>
	11. Spotted Dove	<i>Spilopelia chinensis</i>
	12. Small Indian Kite	<i>Milvus migrans</i>
	13. Indian Pond Heron	<i>Ardeola grayii</i>
	14. House sparrow	<i>Passer domesticus</i>
	15. Koel	<i>Eudynamis scolopaceus</i>
	16. Common Kingfisher	<i>Alcedo atthis</i>
	17. Common Myna	<i>Acridotheres tristis</i>
	18. Indian Woodpecker	<i>Malanerpes superciliaris</i>
	19. Red Vented Bulbul	<i>Pycnonotus cafer</i>

	English name	Scientific name
List of reptile species available in the College campus	1. King Cobra	<i>Ophiophagus hannah</i>
	2. Checkered Keelback	<i>Xenochrophis piscator</i>
	3. Indian Rat Snake	<i>Ptyas mucosa</i>
	4. Garden Lizard	<i>Calotes versicolor</i>
	5. House Lizard	<i>Hemidactylus frenatus</i>
	6. Water Snake	<i>Enhydris enhydris</i>
	7. Ornate Flying Snake	<i>Chrysopalea ornata</i>



	English name	Scientific name
<b>List of insect species available in the College campus</b>	1. Dragonfly	<i>Sympetrum flaveolum</i>
	2. Butterfly	<i>Lepidoptera sp.</i>
	3. Mosquito	<i>Culicidae sp.</i>
	4. Tree Cricket	<i>Oecanthinae sp.</i>
	5. Winged Ant	<i>Alates sp.</i>
	6. Centipede	<i>Chilopoda sp.</i>
	7. Earthworm	<i>Lumbricina sp.</i>
	8. Bullet Ant	<i>Paraponera clavata</i>
	9. Honey bee	<i>Apis indica</i>
	10. Cockroach	<i>Periplaneta americana</i>
	11. Wasp	<i>Ropalidia marginata</i>
	12. House fly	<i>Musca domestica</i>
	13. Grasshopper	<i>Poekilocercus pictus</i>
	14. Fruit Fly	<i>Drosophila melanogaster</i>

	English name	Scientific name
<b>List of rodent species available in the College campus</b>	1. Rat	<i>Rattus rattus</i>
	2. Pocket Mouse	<i>Chaetodipus intermedius</i>
	3. Squirrel	<i>Funambulus palmarum</i>

	English name	Scientific name
<b>List of amphibian species available in the College campus</b>	1. Frog	<i>Rana tigrina</i>
	2. Toad	<i>Bufo melanostictus</i>
	3. Indian Bull frog	<i>Haplobatrachus tigernius</i>
	4. Leaf Frog	<i>Hylaran tytlari</i>



## WASTE MANAGEMENT

Waste disposal is an integral part of any institution to maintain the balance with the ecosystem. The College generates various biodegradable and non-biodegradable wastes which have to be disposed in a proper manner so as not to pollute the environment and the campus surroundings. The non-biodegradable wastes are dumped inside the dustbins placed in various corners of the campus, which are then collected by the municipality of the district.



The biodegradable wastes are separated and deposited into the Vermicompost Plant, inside the college campus, which then turns the waste into manure so as to maintain a sustainable balance in the campus ecosystem. The manure generated is used to provide nutrition to various plants inside the college campus.

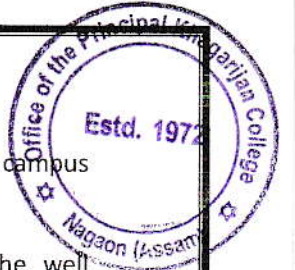
A Drainage Machine is also available in the college which aids in draining unwanted water specifically during floods which causes water logging of muddy waters in various places inside the college campus. The water is drained to the Kolong River in the backyard of the college. Furthermore, proper drainage and plumbing systems are also available in the washrooms and canteen.

## CONCLUSION

Extensive consultation has been involved in this audit with campus dwellers, students, and interactions with involved personnel as well as the community at large, based on various Environmental aspects and Environment Development Goals. Almost 60% of the College Campus is used for landscaping, keeping in mind the need of a green Campus. The audit has also highlighted

several markers and observations necessary for potentialities of improvement in making the campus even more Environments friendly.

The Audit team has given objective recommendations and has appreciated the well maintained environmentally friendly campus. The recommendations are duly sent to the authorities for further action to be taken on them.



Dr. Rameswar Kurmi  
Coordinator  
IQAC  
Khagarijan College

**Coordinator  
IQAC  
Khagarijan College**

Dr. Sanjeeb Kumar Nath  
Associate Professor  
Deptt. of Botany  
Dhing College

**HoD  
Deptt. of Botany  
Dhing College  
Nagaon, Assam**

Dr. Ramesh Nath  
Principal  
Khagarijan College

**Principal  
Khagarijan College  
Nagaon (Assam)**

Dr. Afifa Kausar  
Assistant Professor  
Deptt. of Botany  
ADP College

**Assistant Professor  
Deptt of Zology  
A.D.P. College  
Nagaon, Assam**



Expert Team Visit  
For  
Green Audit  
Date: 18/05/2022



The Green Audit Committee, Khagarijan College, Nagaon, Assam has undertaken the initiative for Green Audit for the session 2021-2022.

On 18/05/2022, the external team members viz., Dr. Sanjeeb Kumar Nath, HOD, Department of Botany, Shing College, Shing & Dr. Abita Kausar, Assistant Professor, Department of Zoology, ADP, College, Nagaon Assam has conducted verification on the following parameters for completing Green Audit-

1. Geographical Location.
2. Floral & Faunal Diversity of the campus.
3. Meteorological Parameter of the campus.
4. Energy Consumption Process.
5. Waste Management System
6. Ambient Disposal System
7. Awareness & Training on Sustainability for Students-

Signature

1. Dr. Sanjeeb Kumar Nath, HOD, Department of Botany, Shing College, Shing, Nagaon.

  
Coordinator  
IQAC  
Khagarijan College

  
Principal  
Khagarijan College  
Nagaon (Assam)

Dr



Dr. Abita Kausar, Assistant Professor,  
Department of Zoology, ADP College,  
Nagaon.

*Am*

Institutional Members of Green Audit Committee

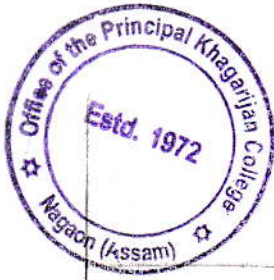
1. Principal -
2. Ms. Maitreyee Dutta - *M Dutta*
3. Ms. Rupali Talukdar - *R Talukdar*
4. Ms. Bichitra Pegu - *Pegu*
5. Ms. Tharna Morang - *Morang*
6. Dr. Ramendra Karmali - *R Karmali*
7. Md. Mohazir Ahmed, Secretary, Green Club,  
Khagarijan College.

Expert Remarks on Parameters:

1. Green & Environment audit-  
of Khagarijan College along  
with external and internal  
auditors have performed  
with honesty, punctuality and  
included all the data as far as  
possible to give and forward

*[Signature]*  
Coordinator  
IQAC  
Khagarijan College

*[Signature]*  
Principal  
Khagarijan College  
Nagaon (Assam)



a green and environment friendly  
for sustainable development which  
is the need of the hour. Sn.

2. The green and environment audit  
of Khagarijan College has been  
performed with utmost sincerity to  
promote a green campus and  
indigenous medicinal plant repository.

Principal  
Khagarijan College  
Nagaon (Assam)

Principal  
Khagarijan College  
Nagaon : Assam