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GARGAON COLLEGE

GREEN/ENVIRONMENT AUDIT

2019-20 *TO* 2023-24

Prepared by
Green Audit team
Gargaon College

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Certificate of Geen/Environment Audit

This is to certify that the Green Audit Report of Gargaon College has been prepared based on the findings of the college's green and environmental audit based on the college's tour, review of the records and interview of faculty, non-teaching staff and the students.

The Green Audit Report also presents the green initiatives followed and taken up by the college based on recommendations for better environmental sustainability.

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Introduction

Green auditing and energy auditing are the systematic identification, quantification, recording, reporting, and analysis of environmental diversity and components of energy usage. The goal of the 'Green Audit' is to examine environmental behaviours both on and off the college campus that have an influence on the environment. It was established with the goal of inspecting the work done within organisations whose activities might endanger the health of the stakeholders and the environment. Green Audit provides directives on how to improve the state of the environment, and there are several elements that have influenced the rise of Green Audit.

Corporate responsibility is at the heart of green auditing. It reveals the truth about government and institution comments concerning the consequences of pollution on the environment. The goal of a green audit is to examine the company's pollution-prevention efforts. "A formal study of a company's effects on the environment," according to the definition of a green audit. Environmental Audit is another name for it. Green auditing is also known as environmental law compliance, environmental cost auditing, and environmental impact assessment, as well as carbon credit. We atGargaon College believe that conserving "Mother Earth" is an important component of education, and that the college's carbon footprint may be decreased through sustainable practises.

About the College

Located at a place of historical and cultural significance, Gargaon College is not only better positioned in terms of its setting and environment but also in respect of infrastructure and courses offered. From smart classrooms, state-of-the-art digital library, conference rooms for academics to gymnasium, indoor stadium and a sports ground for various sporting activities, the college has it all to nurture and mould the spirited youths. Besides the regular courses, the college offers postgraduate courses in six subjects namely in Economics, Education, English, History, Geography and Political Science along with a gamut of competence-based courses helping students to hone their talents and attain employability skills. Moreover, the institute has a good student-teacher ratio helping the teacher focus on each student's individual requirements and mentor them in the right direction. As such, over the years, students have shown outstanding exam results. Every year, a significant number of students opt for higher education as well as professional courses. It is noteworthy that the college students have brought laurels in various fields from academics to sports – qualifying in national level competitive examinations, occupying coveted research positions in international universities and even playing in the prestigious Indian Super League. Gargaon College is thus committed to helping students develop their skills and chart out successful careers.

Objectives of Green Audit

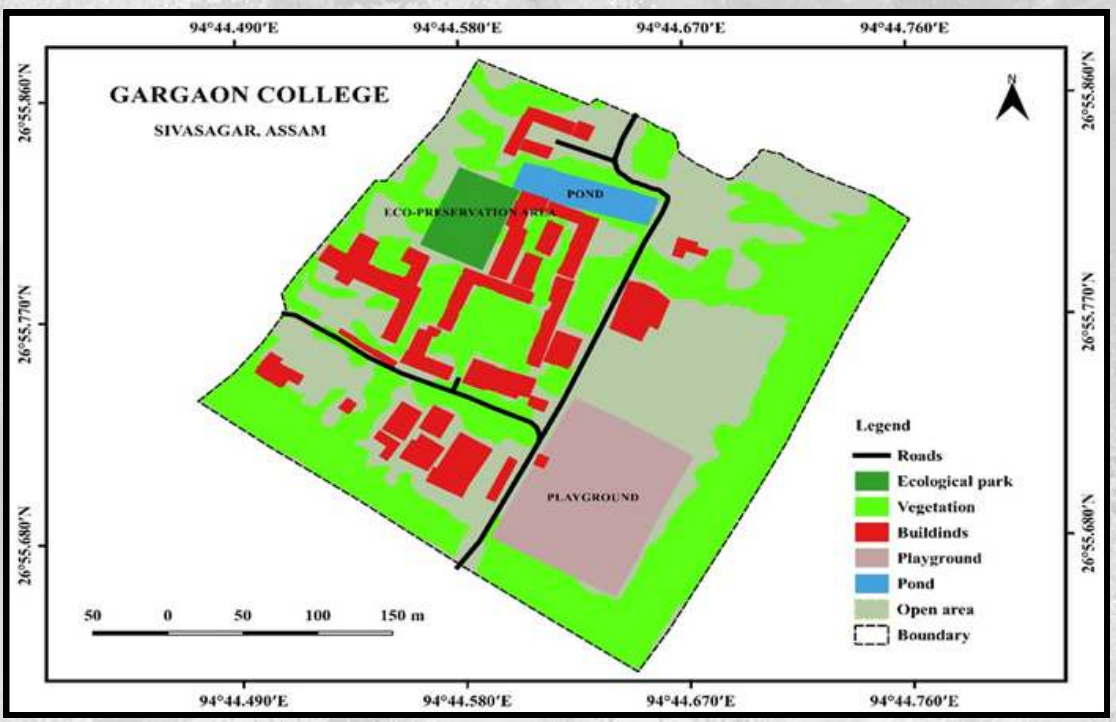
The green audit process assesses and identifies the opportunities for sustainable development processes, enhance the quality of environment, improve health and hygiene, energy saving processes, water management, waste management etc. The main objective of green and environmental auditing is to help the college to adopt sustainable development practices and also to be an example to society and young learners.

The specific objectives of green audit are-

- Enhance awareness towards the environment management and sustainability.
- Promote sustainability through efficient resource management and adoption of cost saving methods.
- To monitor the quality of air, water and soil and sustainable usage of energy, water and water conservation practices.
- To monitor the waste management system of the college.
- Promote to build a safe, clean and green campus.

Environmental Setting

- The college is spread over 75 acres area which includes about 500-meter square sports ground and more than 1.5 acres dedicated green area for eco-preservation. Notably, more than 47 % area of the college is covered with greenery. Located in the heart of Gargaon, the college is fourteen kilometres to the east of Sivasagar town and well connected by road and rail. The Simaluguri Railway Station lies at a distance of 2.2 kilometers from the college premises.
- ·The college has a vast green campus set in peaceful surroundings. Its verdant setting makes it an exclusive destination from the environmental and ecological point of view. About 33 numbers of bird diversity, 32 numbers of fish diversity and more than two hundred varieties of medicinal plants have been identified at the college campus. The college has also initiated an organic garden and a vermicompost project for promoting sustainable agricultural practices in the campus.
- ·The of green belt including trees, gardens, lawns and an herbal garden has considerably reduced noise pollution in the campus. College green operations/ infrastructures include roof-top solar system, ground water recharge units, ponds, clean water-supply provision for students, leaf composting pitsand vermicomposting unit.



Prepared by Department of Geography, Gargaon College

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Organograms of Environmental Setting

1

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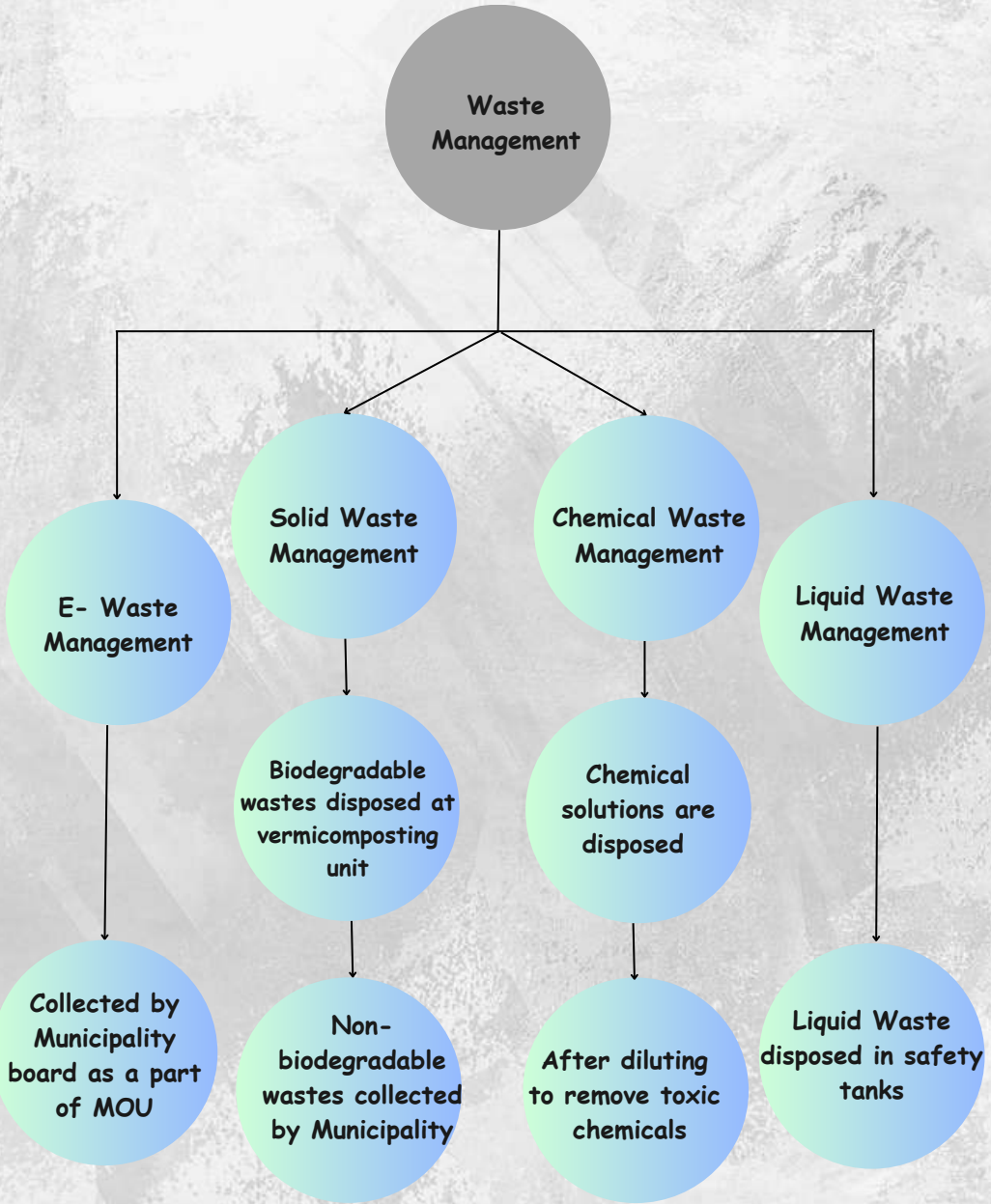
Waste Management
E- Waste Management
Solid Waste Management
Chemical Waste Management
Liquid Waste Management
Collected by Municipality board as a part of MOU
Biodegradable wastes disposed at vermicomposting unit
Chemical solutions are disposed
Liquid Waste disposed in safety tanks
Non-biodegradable wastes collected by Municipality
After diluting to remove toxic chemicals

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Green Campus Management

- Green area maintenance
  - By Tree plantation
- Botanical garden & Organic garden
- Ban on single use plastic inside campus
- Restricted entry of vehicles inside the campus
  - College has a policy on entry of vehicles

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Soil Quality Management

- Use of organic manure in place of chemical fertilizers
  - Vermicopost, Leaf compost

- Plantation to improve soil fertility
  - Soil quality checked at regular intervals

- Avoid littering to maintain good soil health
  - Ban on single use plastic inside campus

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Air Quality Management

- Air quality is enhanced by
  - Tree plantation
- Air quality assessment is done at regular intervals
- Energy-efficient appliances are used
- Restricted entry of vehicles inside the campus
  - College has a policy on entry of vehicles

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Human Health & Safety

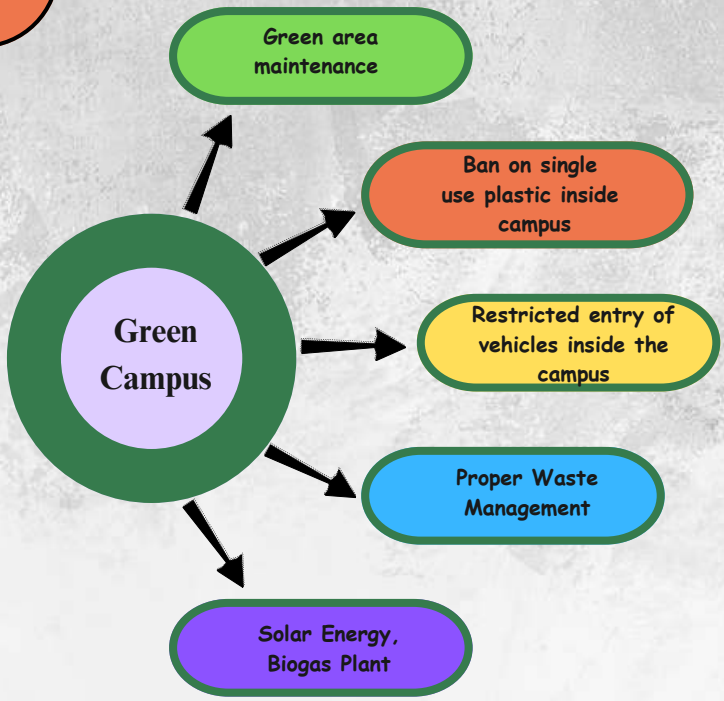
- Awareness Programme organised related to Health & Safety
  - Tobacco Free zone
- Sanitary napkin dispensers & incinerators for girl students
- Fire extinguishers
- Well-ventilated rooms & Laboratories
  - Exhaust fans are provided

Green Campus Management

This includes greenery, plants, sustainability of the campus to ensure that the Environmental policy is enacted and enforced in the college campus using various environmental awareness programs.

Green Area

This covers the campus's flora, greenery, and sustainability to guarantee that the structures meet green construction requirements. This also aids in the enactment, enforcement, and revision of the Environmental Policy through different environmental awareness initiatives.



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Campus Greenary






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Greenhouse of the College

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Plantation and Cleanliness Programmes

To sustain biodiversity, the campus is situated with a large number of trees. Including IQAC different Cells and Units of the College organise several tree planting initiatives on the college campus and in the nearby communities. This initiative promotes an environmentally friendly atmosphere within the institute by providing pure air and raising awareness among the people. The planting programme comprises a variety of beautiful and therapeutic wild plant species native to the area.

There is periodical review of the list of trees planted in the garden, records are kept and scientific names are assigned to the trees. While carrying out the different activities within the campus, environmental awareness and sustainability is promoted amongst students and staff. World Environment Day is enthusiastically celebrated with the objective of not just making the campus greener but towards a greener planet.

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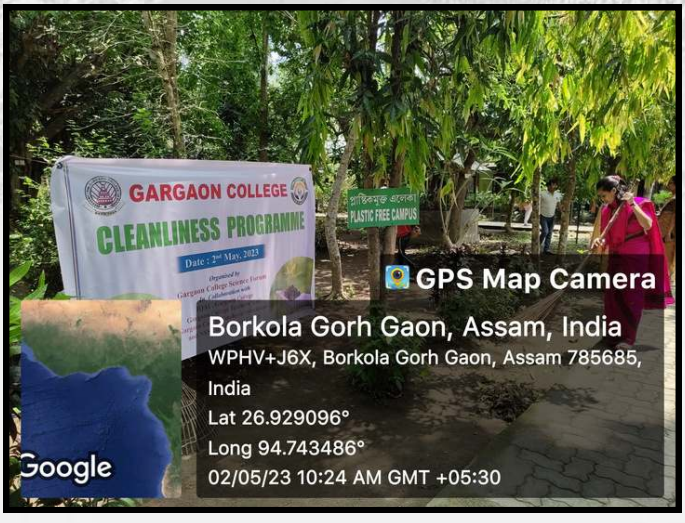
Plantation and Cleanliness Programmes



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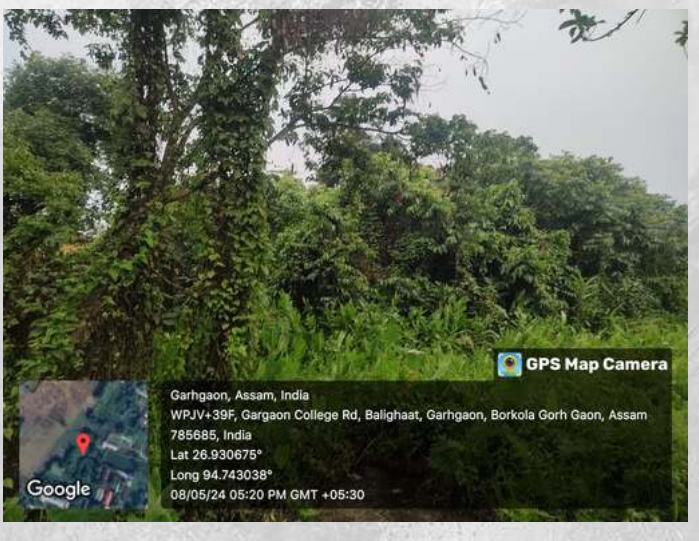
Biodiversity Park

Gargaon College maintains three Biodiversity Parks to collect, cultivate and preserve a wide range of plants, animals, birds, snakes and other species. Different types of species provide richness to the biodiversity of the region. Since the garden has a huge number of plants, seasonal fruits so several birds, animals are attracted towards this. In addition to these, the parks provide ecological resources to the students for practical and applied purposes.

Photographs of Biodiversity Park



Click for the Visuals

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GREEN INITIATIVE

ORGANIC GARDEN

The concept of an organic garden at the college campus is a part of the college's perspective plan to set a sustainability model in agriculture.

RATIONALITY

- Develop a model of Organic Garden
- Student Participation in Gardening
- Concept of Agricultural Diversification
- Use of Leaf Compost/Vermi Compost

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BRIEF DESCRIPTION

To popularise the concept of sustainable agriculture practices, Gargaon College has developed an organic agriculture model at the college campus. The total area of the organic garden is about one bigha. Paralley, the college has initiated another green project i.e. leaf compost projects at the campus too. These two projects are interlinked with each other. All the leaf compost produced through the 11 numbers of leaf compost plants is directly used in the organic garden. Different cultivation methods are developed against different vegetables and demonstrated accordingly among the students. Additionally, some local farmers used to visit the garden to give some advice on different techniques of farming. Agriculture diversification is a kind of farming method through which the risk in agriculture production is reduced and stabilises farm income. Additionally, nutritional security is also achieved through agricultural diversification as it is concentrated on different high-value-added farm crops. Therefore, through the concept of organic garden, the concept of agricultural diversification is developed and demonstrated among the students about the concept of agricultural diversification. In most cases, the vegetables of the garden are used to supply the girl's and boys hostels of the college.

IMPACT OF THE GARDEN

After exploring different ideas of vegetable farming and demonstrating the economic significance of organic farming, some students developed a keen interest in developing organic farming at their home.

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PHOTOGRAPHS OF ORGANIC GARDEN

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VIDEOS OF THE ORGANIC GARDEN

CLICK HERE FOR VIDEO-1

CLICK HERE FOR VIDEO-2

CLICK HERE FOR VIDEO-3

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BIODIVERSITY AUDIT

All lives present on earth are interlinked with each other. Plants, animal species including human are linked together and forms a complex web of life. Biodiversity of a particular area is the key to a healthy ecosystem. It enhances the air quality, keeps the water clean and also regulates the climate cycle. Our college campus is filled with an enormous number of trees which provide the clean air that we need for healthy living and also reduce the carbon footprint. The college has lots of seasonal fruits and vegetables which attracts several birds and animal species to the campus. The ornamental flowers within the campus bring home several butterfly species.




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The plants and animal species that are seen within the college campus are listed below-

Name of some Medicinal Plants in the College Campus

Local name	Scientific name
Sarpagandha	*Rauvolfia serpentina*
Bhomora	*Terminalia bellirica*
Arjun	*Terminalia arjuna*
Pipoli	*Piper longum*
Borial	*Sida rhombifolia*
Jaluk	*Piper nigrum*
Mandhonia	*Eryngium foetidum*
Sal kuwori	*Aloe barbadensis*
Bhedai-lota	*Paederia foetida*
Mosondori	*Houttuynia cordata*
Satmul	*Asparagus racemosus*
Konashimolu	*Commelina benghalensis*
Khutura	*Amaranthus spinosus*
Matikanduri	*Alternanthera sessilis*
Durun bon	*Leucas plukeneti*
Bor-manimuni	*Centella asiatica*
Soru-manimuni	*Hydrocotyle sibthorpioides*
Bon-jaluk	*Hedyotis diffusa*
Horu-tengesi	*Oxalis corniculata*
Bor-tengesi	*Oxalis debilis*
Jilmilhak	*Chenopodium album*
Dhekia	*Diplanzium esculantum*
Kola Kosu	*Colocasia esculenta*
Jarmani Bon	*Eupatorium odoratum*
Huhoni bon	*Spilanthes acmella*
Gakhioti bon	*Euphorbia hirta*
Kalmegh	*Andrographis paniculata*
Hatikhutura	*Amaranthus spinosus*
Tita-bhekuri	*Solanum indicum*
Nephaphu	*Clerodendrum colebrookianum*
Dhopattita	*Clerodendrum infortunatum*
Aparajita	*Clitoria ternatea*
Kenharaj	*Eclipta alba*

Local name	Scientific name
Tita-phul	*Phlogocanthus thyrsiflorus*
Akashi lota	*Cuscuta reflexa*
Gorukhis	*Frageria vesca*
Joba	*Hibiscus rosa sinensis*
Era gos	*Riccinus communis*
Jetuka	*Lawsonia inermis*
Dighloti	*Litsea salicifolia*
Harjura lota	*Cissusqua drangularis*
Duportenga	*Bryophyllum pinnatum*
Futukola	*Melastoma melabathricum*
BhuiAamlokhi	*Phyllanthus fraternus*
Nilajibon	*Mimosa pudica*
Bhatghila	*Oroxylum indicum*
Lai jabori	*Drymaria cordata*
Tezmooi	*Xanthoxylum nitidum*
Prem lota	*Mikania micrantha*
Hoguni lota	*Tinospora cordifolia*
Kopoudhekia	*Lygodium flexuosum*
Duboribon	*Cynodon dactylon*
Tikoniborua	*Smilax zeylanica*
Teportenga	*Garcinia xanthochymus*
Ghura Neem	*Melia azedarach*
Moha Neem	*Azadirachta indica*
Selaginella	*Selaginella sp.*

Name of some Timber plants in the College Campus

Common Name/ Local name	Scientific name
Shegun	*Tectona grandis*
Dimoru	*Ficus hispida*
Satiana	*Alstonia scholaris*
Sopa	*Michelia champaca*
Debodaru	*Polyalthia longifolia*
Krishnachura	*Delonix regia*
Kadom	*Neolamarckia cadamba*
Sasi	*Aquililaaria malaccensis*
Nahar	*Mesua ferrea*
Gomari	*Gmelina arborea*
Sonaru	*Cassia fistula*
Shimolu	*Bombax ceiba*
Ajar	*Lagerstroemia speciosa*
Modar	*Erythrina variegate*
Sissoo	*Dalbergia sissoo*

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Name of some Ornamental Plants in the College Campus

Common Name/ Local name	Scientific name
Bleeding Heart Vine	*Clerodenrum thomsoniae*
Rangoon creeper	*Combretum indicum*
Money plant	*Epipremnum aureum*
Dragon-tail plant	*Epipremnum pinnatum*
Garlic vine	*Mansoa alliaceae*
Swiss cheese plant	*Monstera deliciosa*
Philodendron	*Philodendron cordatum*
Modhumaloti	*Quisqualis indica*
Mini monstera	*Rhaphidophora tetrasperma*
Arrowhead vine	*Syngonium podophyllum*
Curtain creeper	*Vernonia elaeagnifolia*
Sewali	*Nyctanthes arbor-tristis*
Krishnachura	*Delonix regia*
Aloe leafed cymbidium	*Cymbidium aloifolium*
Hooded orchid	*Dendrobium aphyllum*
Pale Micropera	*Micropera pallid*
Orchid	*Goodyeraprocera*
Fringe-Lipped Dendrobium	*Dendrobium fimbriatum*
Noble Dendrobium	*Dendrobium nobile*
Musky-smelling Dendrobium	*Dendrobium moschatum*
Angelfish orchid	*Dendrobium aduncum*
Golden-bow Dendrobium	*Dendrobium chrysotoxum*
Bent-racemed Dendrobium	*Dendrobium lituiflorum*
Dendrobium	*Dendrobium polyanthum*
Cat's tail orchid	*Aerides odorata*
Ground orchid	*Spathoglottis plicata*
Chinese Ixora	*Ixora chinensis*
Snake plant	*Dracaena trifasciata*
Oleander	*Nerium oleander*
Pine	*Pinus sp.*
Cycas	*Cycas sp.*
Spider plant	*Chlorophytum comosum*
Kanchan	*Bauhinia variegata*
Rose	*Rosa sp.*
Marigold	*Tagets. sp.*
Jewlweed	*Impatiens sp.*

Source: These data are collected by Department of Botany, Gargaon College

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PHOTOGRAPHS

Philodendron sp.

Piper longum

Oxalis corniculata

Solanum torvum

Rhynchostylis retusa

Garcinia xanthochymus

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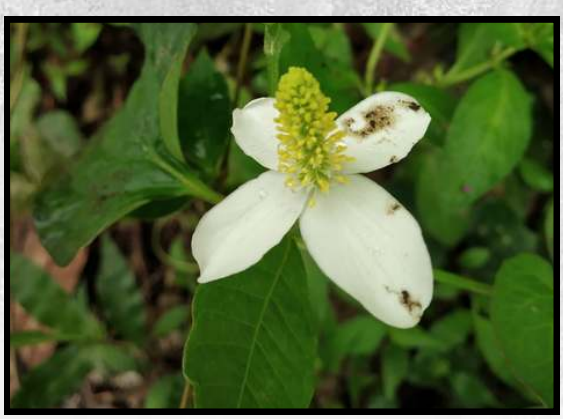
Dendrobium aphyllum

Cassia fistula

Eclipta alba

Clitoria ternatea

Drymaria cordata



Houttuynia cordata

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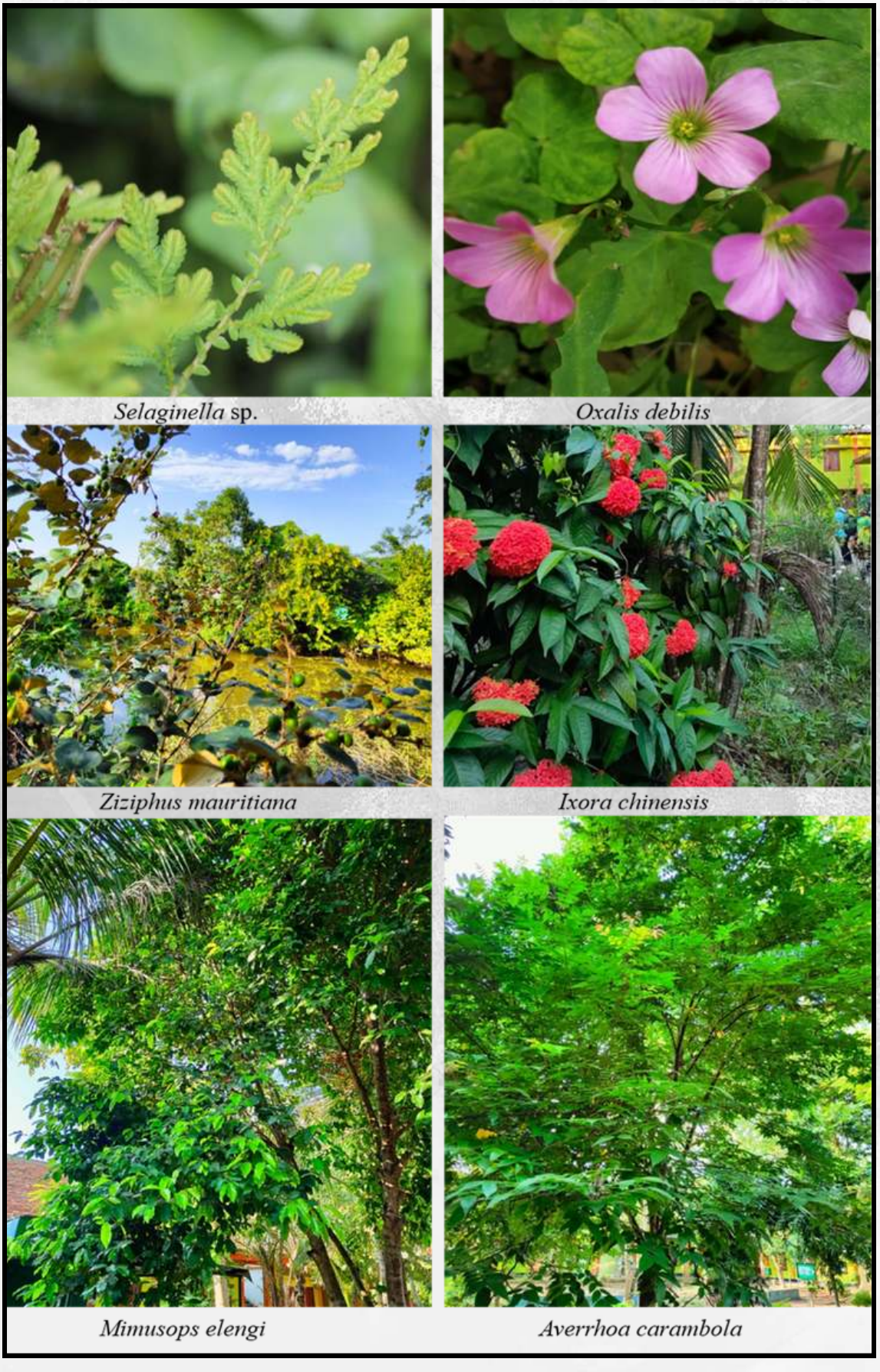

Selaginella sp.

Oxalis debilis

Ziziphus mauritiana

Ixora chinensis

Mimusops elengi

Averrhoa carambola

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Plumeria alba

Cycas sp.

Butea monosperma

Croton sp.

Figure: Photograph of some of the plant species of college campus

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Red Emerald philodendron

Hibiscus fimbriatus

Calandium bicolor

Costus sp.

Costus sp.

Bryo

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ORCHID AT COLLEGE CAMPUS
















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Animal Diversity at College Campus

Gargaon College has a vast green campus set in peaceful surroundings. Its verdant setting makes it an exclusive destination from the environmental and ecological point of view. The college has also initiated an organic garden and a vermicompost project to promote sustainable agricultural practices on campus. The Gargaon College has luxuriant vegetation with big trees and dense vegetation and 1/3 of the college area is covered by trees to maintain the ecosystem. The Green environment of the college is due to tree plantation which is carried out every year regularly. The College has formed a green team comprising faculty of various departments. The campus has various fruit-bearing, flowering and ornamental plants, medicinal plants, and valuable wood trees. The college campus has a well-maintained pond and various small logs and marshlands available in and around which are rich in piscine diversity along with various species of planktons, aquatic weeds and aquatic animals.

Green campus is home for many species of birds like Indian paradise flycatcher, drongo, barbet, owl, parakeet, munia, bulbul, bee-eater, hoopoe, magpie, koel, oriole etc. About 42 numbers of bird diversity, 47 numbers of fish diversity, 40 numbers of butterfly diversity, 5 numbers of reptile diversity, a few mammals' diversity and various species of moths, spiders, ants, dragonflies and more than two hundred varieties of medicinal plants have been identified at the college campus. Every year in month of March to August, saplings are planted within the campus.

Some Reptile Species Present in College Campus

Family	Common Name	Scientific Name
Scincidae	Bronze Grass skink	*Eutropismacularia*
Scincidae	Spotted Litter skink	*Sphenomorphus maculatus*
Varanidae	Bengal Monitor	*Varanus bengalensis*
Gekkonidae	Brook's House Gecko	*Hemidactylus brookii*
Scincidae	Many-lined Grass Skink	*Eutropismulti fasiciata*
Chamaeleonidae	Chameleon	*Chamaeleo zeylanicus*
Sciuridae	Orange bellied Himalayan squirrel	*Dremomys lokriah*
Sciuridae	Hoary-bellied Himalayan Squirrel	*Callosciurus pygery*
Colubridae	Red necked keelback	*Rhabdophis subminiatus*
Colubridae	Assamese cat snake	*Boiga quincunciata*
Colubridae	Painted bronzeback snake	*Dendralephis pictus*

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Bird Diversity at College Campus

Local Name	Common Name	Scientific Name
Panikawori	Little cormorant	*Phalacrocorax niger*
Bar Aajan	Whie –Billed Heron	*Ardea insignis*
Konamosuri	Indian pond Heron	*Ardeolagrayii*
Bar Bog	Great Egret	*Ardea alba*
Gubag	Cattle Egret	*Bulbulcus ibis*
Majubag	Intermidiate Egret	*Egratta intermedia*
Hamukbhanga	Asian openbill	*Anastomusoscitans*
Bartokula	Lesser Adjutant	*Leptoptiosjavanicus*
Dawok	White-breasted waterhen	*Amaurornispheonicurus*
Haitha	Green pigeon	*Treronpompadora*
Paracharai	Pigeon	*Columba libia*
Pati/photukikapuo	Spotted dove	*Streptoplia chinensis*
Galmonibhatuo	Rose-ringed parakeet	*Psittacularameri*
Latkonbhatuo	Vernal hanging parrot	*Loriculusvernalis*
Koli	Asian koel	*Eudynamysscolopacea*
Kateki	Plaintive cuckoo	*Cacomentismerulinus*
Malkhowa	Green billed malkhowa	*Rhopodytes tristis*
Kokoha	Greater coucal	*Centropus sinensis*
Phansa	Barred owlet	*Glaucidiancuculoides*
Kalphansa	Spotted owlet	*Athene brama*
Masaruka	Common kingfisher	*Alcedoatthis*
Gobarkhosura	Common hoopoe	*Upupa epops*
Ban hatlike	Common barbet	*Megalaima lineate*
Nilkonthihatuloka	Blue-throated barbet	*Megalaimaasiatca*
Kathoruka	Greater yellownape	*Picusflavinucha*
Arakhati	Strike	*Laniusschach*
Hakhioti	Black hooded oriole	*Oriolusxanthornus*
Bhimraj/phansu	Lesser racket tailed drongo	*Dicrurusremifer*
Gang halika	Bank myna	*Acridotheresginginianus*
Chutiahalika	Jungle myna	*Acridotheresfuscus*
Pati kawri	House crow	*Corvus splendens*
Sairangiphasuloka	Ashy bulbul	*Hypsipetesflavalus*
Phasuloka	Red Whiskered bulbul	*Pycnonotusjocosus*
Dhaplika	Jungle babbler	*Turdoides striata*
Chatchati	Warbler	*Acrocephalusagricola*
Nilkanthi	Bluthroat	*Erithacus svecicus*
Dahikotora	Oriental magpie robin	*Copsychussaularis*
SHYAMA	Shama	*Copsychusmalabaricus*
Bhadarkali	Great tit	*Parus major*
Moupia	Crimson sunbird	*Aethopygasiparaja*
Moupia	Ruby cheeked sunbird	*Anthreptessingalensis*
Moupia	Purple sunbird	*Nectarinia asiatica*

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Fish Diversity at College Campus

Local Name	Common Name	Scientific Name
Rou	Rohu	*Labeorohita*
Grass carp	Grass carp	*Ctenopharyngodonidella*
Silver carp	Silver carp	*Hypophthalmichthys molitrix*
Big head carp	Big head carp	*Hypophthalmichthys nobilis*
Mali	Black Rohu	*Labeocalbasu*
Kurhi	Kuria Labeo	*Labeogonius*
Kandhuli	Feather back	*Notopterusnotopterus*
Bhangone	Boga Labeo	*Labeoboga*
Mirika	Mrigal	*Cirrihimusmrigala*
Puthi	Spot fin Swan barb	*Puntius sophore*
Puthi	Golden barb	*Puntius gelius*
Puthi	barb	*Puntius ticto*
Puthi	barb	*Puntius chonconius*
Cheniputhi	Olive barb	*Puntius sarana*
Horudorikona	Zebra fish	*Danio rerio*
DangorDorikona	Rasbora	*Rasbora doniconius*
Mua mass	Mola	*Amblypharyngodon mola*
Selkona	Gora	*Oxygastergora*
Botia	Loach	*Lepidocephalicthysguntea*
Rani mass/Gethu mass	Loach	*Botiaderio*
Magur	Magur	*Clariusmagur*
Singhi	Catfish	*Heteropneustesfossilis*
Chengeli	Snake headed	*Channa gochua*
Goroi	Spotted Snake headed	*Channa punctata*
Hol mass	Stripe Snake headed	*Channa striatus*
Haal mass	Snake head	*Channa marulius*
Noga Cheng	Snake head	*Channa aurantimaculata*
Cheng	Snake head	*Channa stewartii*
Kuchia	Mud eel	*Monopteruscuchia*
Chanda	Parchlet	*Chanda nama*
Chanda	Parchlet	*Chanda ranga*
Vacheli	Dwarf gourami	*Trichogasterlalia*
Kholihona	Banded or Striped gourami	Trichogaster fasciatus
Vacheli	Colisa	*Colisacholisa*
Dum bhecheli	Blue perch	*Badisbadis*
Randhonee mass	Assam bluespotbadis	*Badisassamensis*
Gedgedi	Mottled nandus	*Nandus nandus*
Kawoi	Climbing perch	*Anabas testudineus*
Tura	One striped spinny eel	*Macrognathusaral*
Bami	Spiny eel/Zig-zag eel	*Mastacembelusarmatus*
Kaibai/pankal	Barred spiny eel	*Macrognathuspancalus*
Hingora	Tengra	Mystustengra
Boga Hingora	Tengra	*Mystuscavasius*
Hingora	Tengra	*Mystusdibrugarensis*
Hingora	Tengra	*Mystusvittatus*
Keyakata	Sisorid catfish	*Gagatacenia*
Kurkuri mass	Frogmouth catfish	*Chacachaca*
Bordua mass	Indian potasi	*Pachypterusathreinoides*
Patimutura mass	Tank goby	*Glossogobiusgiuris*

Video Link-1

Video Link-2

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Butterfly Diversity at College Campus

Family	Common Name	Scientific Name
Nymphalidae	Lemon pansy	*Junonialemonias* (Linnaeus)
Hesperiidae	Small-branded swift	*Pelopidas mathias* (Fabricius)
Nymphalidae	Chocolate pansy	*Junoniaiphita* (Cramer)
Nymphalidae	Leopard lacewing	*Cethosiacyane* (Drury)
Hesperiidae	Coon	*Sancusfuligo*(Mabille)
Nymphalidae	Blue spotted crow	*Euploeamidamus*(Linnaeus)
Hesperiidae	Common banded demon	*Notocryptaparalysos*
Nymphalidae	Common evening brown	*Melanitisleda* (Linnaeus)
Hesperiidae	Fulvous pied flat	*Pseudocoladenia dan* (Fabricius)
Nymphalidae	Grey count	*Tanaecialepidea* (Butler)
Nymphalidae	Common sailor	*Eptishylas* (Linnaeus)
Nymphalidae	Common crow	*Euploea core (Cramer)*
Lycaenidae	Zebra blue	*Leptotesplinius*(Fabricius)
Nymphalidae	Great egg fly	*Hypolimnasbolina* (Linnaeus)
Lycaenidae	Yamfly	*Loxuraatymnus (Stoll)*
Nymphalidae	Common bush brown	*Mycalesisperseus* (Fabricius)
Pieridae	Common grass yellow	*Euremahecabe* (Linnaeus)
Nymphalidae	Common five ring	*Ypthimabaldus* (Fabricius)
Nymphalidae	Knight	*Lebadeamartha* (Fabricius)
Nymphalidae	Eastern five ring	*Ypthimapersimilis*
Nymphalidae	Striped tiger	*Danaus genutia* (Cramer)
Nymphalidae	Common palm fly	*Elymniashypermnestra* (Linnaeus)
Lycaenidae	Red pierrot	*Talicadanyseus*(Guerin-Meneville)
Nymphalidae	Large yeoman	*Cirrochroaaoris*(Doubleday)
Lycaenidae	Common pierrot	*Castaliusrosimon (Fabricius)*
Nymphalidae	Common baron	*Euthaliaaconthea* (Cramer)
Hesperiidae	Grass demon	*Udaspesfolus* (Cramer)
Nymphalidae	Plain tiger	*Danaus chrysippus* (Linnaeus)
Nymphalidae	Grey pansy	*Junoniaatlites* (Linnaeus)
Lycaenidae	Common tit	*Hypolycaenaerylus (Godart)*
Nymphalidae	Banded tree brown	*Lethe confusa* (Aurivillius)
Pieridae	Mottled emigrant	*Catopsiliapyranthe* (Linnaeus)
Lycaenidae	Common silverline	*Spindasisvulcanus (Fabricius)*
Pieridae	Red base jezebel	*Deliaspasithoe* (Linnaeus)
Lycaenidae	Chocolate royal	*Remelanajungala (Horsfield)*
Pieridae	Common emigrant	*Catopsiliapomona* (Fabricius)
Lycaenidae	Common imperial	*Cheritrafreja (Fabricius)*
Lycaenidae	Pale grass blue	*Pseudozizeeriamaha (Kollar)*

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Some Photographs of Reptiles

Milk Snake

Red necked keelback snake

Banded Krait

Cooper Headed Trinket Snake

Varanus Bengalensis

Ginger Willie

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Some Photographs of Birds

Common barbet

Wild Moina

Red-vented Bulbul

Rufous treepie

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Some Photographs of Birds












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Some Photographs of Butterflies









Some Photographs of Insects








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HONEY BEE AT COLLEGE CAMPUS

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WASP NEST AT COLLEGE CAMPUS

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FISH AT COLLEGE CAMPUS

CONCLUSIONS

Environmental education and awareness are extensive. Furthermore, the administration's environmental awareness programmes demonstrate how the campus is becoming more environmentally friendly. A few suggestions are made to reduce the threat of waste management by employing environmentally friendly and scientific methods. This might pave the way for a bright future in the framework of Green Campus, as well as a more sustainable environment and community development. We carried out environmental monitoring of campus, including classroom lighting and ventilation, as part of the green audit. In the presence of natural light, Illumination and Ventilation were found to be adequate.

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REPORT ON ENVIRONMENT AUDIT

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Sl. no.	Areas	Brief Overview
1.	Water Usage and Conservation	• Water reservoirs for rainwater harvesting are present (pond) • Ground level water recharging unit under the guidance of Public Health Department, Nazira is under construction. • Rainwater Harvesting Unit is present
2.	Soil quality management	• Organic manure like leaf compost and vermicompost are used to replace chemical fertilizers. • Improve fertility of the soil by plantation. • Avoid littering by preventing waste disposal
3.	Air quality management	• College campus is filled with several numbers of plants to enhance the air quality.
4.	Solid Waste Management	• Wet and dry dustbins are placed in corridors, in front of the classrooms. • Composting pits are created for biodegradable waste like leaves, and food waste. • Vermi-composting units are created to convert organic waste (food waste).
5.	Plastic Free campus	• College has strict regulations towards ban on single-use plastic. • College is taking initiatives by displaying boards to create awareness. • College canteen uses reusable utensils to reduce plastic use.
6.	E-Waste management	• The E-waste are utilised as part of Add on course on Computer Hardware Networking
7.	Human safety and Management	• Sanitary napkin incinerators are present. • Fire extinguishers are installed in the campus. • Use of tobacco and smoking is completely banned inside the campus
8.	Energy usage and conservation	• 90% of the conventional bulbs are replaced by LED bulbs to reduce energy consumption. • Installation of rooftop solar panels of 300 W. • Solar Street lights are present inside the campus

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INTRODUCTION

The commitment to environmental sustainability is a cornerstone of our institution's values and operational philosophy. As part of our ongoing efforts to promote environmental consciousness and align with the National Assessment and Accreditation Council (NAAC) Criterion 7 on Institutional Values and Best Practices, we have undertaken a comprehensive environment audit. This report aims to evaluate our current environmental practices, identify areas for improvement, and highlight our achievements in fostering an eco-friendly campus.

The environment audit is a systematic process that examines our institution’s compliance with environmental policies, the effectiveness of our sustainability initiatives, and the overall impact of our environmental practices. This audit includes an assessment of energy consumption, waste management, water conservation, green campus initiatives, and the promotion of environmental awareness among stakeholders.

By conducting this audit, we seek to:

- Ensure adherence to environmental regulations and standards.
- Enhance resource efficiency and reduce environmental footprints.
- Foster a culture of sustainability within our campus community.
- Identify best practices and areas for improvement.
- Strengthen our institutional commitment to environmental stewardship.

This report provides a detailed analysis of our environmental performance, showcases our efforts towards creating a sustainable campus, and sets forth actionable recommendations to further our environmental goals. It reflects our dedication to not only meeting regulatory requirements but also to exceeding them by integrating sustainable practices into every aspect of campus life.

Through this environment audit, we aim to reaffirm our institution’s role as a leader in environmental responsibility and to inspire continuous improvement in our journey towards a greener future.

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About the College

Situated in a historically and culturally significant location, Gargaon College stands out for its picturesque setting and robust infrastructure. Boasting smart classrooms, a cutting-edge digital library, and academic conference rooms, the college provides a conducive environment for learning. Beyond academics, it caters to the holistic development of students with facilities like a gymnasium, indoor stadium, and a sports ground, fostering a vibrant and spirited youth culture. In addition to conventional courses, the college offers postgraduate programs in distance mode and a range of competence-based courses, enabling students to refine their talents and acquire employability skills.

The institution maintains an impressive student-teacher ratio, facilitating personalized attention and guidance for individual students. This approach has yielded remarkable results over the years, with students consistently achieving outstanding exam results. A substantial number of graduates pursue higher education and professional courses annually, showcasing the college's commitment to nurturing successful careers.

Gargaon College's historical backdrop includes the Kareng Ghar, a seven-storied Royal Palace from the Ahom Kingdom era, adding to its significance. The lush green campus serves as a haven for biodiversity, housing numerous bird species, fish varieties, and medicinal plants. Sustainability initiatives like the organic garden and vermicompost project highlight the college’s commitment to eco-friendly practices.

A total of 33 bird species, more than a 100 fish varieties, and over two hundred medicinal plants have been identified on the campus. The college's commitment to sustainability is evident through initiatives such as an organic garden and a vermicompost project, promoting eco-friendly agricultural practices. In the greenery of the college, there are 3 biodiversity parks, pisciculture units for fish rearing a

The expansive green campus of Gargaon College is not merely a backdrop but a vital component of the institution's identity. It serves as an oasis of tranquility and inspiration, fostering an environment conducive to learning and personal growth. The meticulously maintained greenery, including lush lawns, vibrant flower beds, and shaded walkways, creates a soothing atmosphere that encourages contemplation and relaxation. Moreover, the college's commitment to environmental stewardship extends beyond its academic offerings. The campus is home to diverse flora and fauna, with students actively participating in initiatives such as tree plantation drives and biodiversity awareness campaigns. The college's dedication to sustainability is exemplified by the presence of solar panels, rainwater harvesting systems, and eco-friendly waste management practices. The verdant surroundings not only enhance the aesthetic appeal of the college but also contribute to its ecological diversity. The campus has become a haven for numerous bird species, butterflies, and small mammals, creating a harmonious coexistence between nature and academia. This unique blend of a green haven and academic excellence underscores Gargaon College's commitment to holistic education and environmental responsibility, making it a symbol of inspiration for future generations. This unique blend of historical significance, academic excellence, and environmental consciousness positions Gargaon College as a distinguished institution dedicated to shaping well-rounded individuals and contributing to the preservation of cultural and ecological heritage.

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GOALS

1. Identification and documentation of environmental practices followed by the college.
2. Identify strengths and weaknesses in environmental practices.
3. Assess facility of different types of waste management.
4. Increase environmental awareness throughout campus
5. Identify and assess environmental risk.
6. Motivates staff for optimized sustainable use of available resources.
7. The long-term goal of the environmental audit program is to collect baseline data on environmental parameters and resolve environmental issues.

SCOPE

The broad scopes and benefits of the environment-auditing system would be

1. Environmental education through a systematic environmental management approach
2. Improving environmental standards
3. Benchmarking for environmental protection initiatives
4. Sustainable use of natural resources on campus.
5. Financial savings through a reduction in resource use
6. Curriculum enrichment through practical experience
7. Development of ownership, personal and social responsibility for the College campus and its environment
8. Developing an environmental ethic and value systems in young people

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METHODOLOGY

The approach for doing an environmental audit comprised several instruments such as data gathering, physical inspection of the campus, observation and study of paperwork, interviewing key people, data analysis, measurements, and suggestions. The audit was carried out through a combination of site visits, interviews with key personnel, and a review of relevant documents, policies, and practices. To describe the current state of environmental management on campus, the assessment focused on key areas such as:

- Water Management and Usage
- Soil Quality Management
- Air Quality Management
- Biodiversity conservation
- Waste Management
- Human Health and Safety Management
- Noise Pollution Management

Human Health and Safety Management

Collective Measures

AWARENESS PROGRAMS

Awareness programs within college premises to educate individuals on health and safety practices.

BLOOD DONATION DRIVES

Regular blood donation drives to promote community health and engage students and staff in life-saving activities.

WOMEN'S HEALTH & SAFETY

Prioritize safety and reproductive health of women by installing fully functional sanitary napkin dispensers and used sanitary napkin incinerators in the girls' common room and ladies' Common room.

Programme
Yoga Day
Health Check up
Cleanliness drive
PTM
World environment day
National Days
"Best of Waste" Training

HEALTH INITITAIVES

*Ensure well-ventilated rooms, including offices, classrooms, laboratories, and corridors, designed with wide doors, large windows, and high ceilings to allow ample sunlight.
*Installation of air conditioners in offices and computer laboratories for better air quality.
*Provision of exhaust fans in washrooms, the canteen's kitchen area, and chemistry laboratories to improve ventilation.

SAFETY INITITAIVES

*Fire Safety Measures: strategically located fire extinguishers across the campus.
*24x7 CCTV surveillance
*Prohibition of smoking, selling, and use of tobacco and tobacco-infused products within 300-meter radius around college

Soil Quality Management

This indicator takes into account measures to improve soil fertility so as to have better quality nutrients for the plants in the campus. With careful consideration, organic manure such as compost of leaves, vermi-compost has replaced the use of chemical fertilisers all together. Planned and better plantation leads to improved fertility of the soil and to achieve these stakeholders of the college avoid littering by cost and time efficient waste disposal. More greenery has been added consistently in order to improve ground water resource.

To elaborate upon the ways, the waste management point the following organogram provides an elaborate insight into management of different types of wastes that would otherwise deteriorate soil quality.

STEPS UNDERTAKEN

- Organic Farming at college
- Plantation drive by students & teachers to conserve soil
- Plastic Bottle Bank
- Vermi-compost unit for soil nutrient enrichment

Air Quality Management

This indicator includes the management, and initiatives taken by the college to clean and enhance the air quality within campus. All the activities and actions undertaken help protect human health and the environment from the harmful effects of air pollution. The college campus is filled with enormous numbers of plants to enhance the air quality. Different kinds of trees, shrubs, and herbs present inside the campus play a very major role in reducing carbon footprint.

To effectively manage air quality at Gargaon College, several measures have been implemented

1. Air Quality Assessment is conducted to have a comprehensive air quality assessment to identify the sources of air pollution within and around the college campus. This assessment should include monitoring of pollutants such as particulate matter (PM2.5, PM10), nitrogen oxides (NOx), sulfur dioxide (SO2), volatile organic compounds (VOCs), and others
2. Implementation of Green Practices to promote sustainable practices within the college campus. We also encourage the use of energy-efficient appliances.
3. Alternative Transportation is encouraged. Students, faculty, and staff are encouraged to use alternative modes of transportation, such as cycling, walking, or carpooling, to reduce vehicle emissions. The college has also taken the initiative of “No Vehicle Day” once a year. A strict regulation was followed by all faculty members and workers of the college to bring no car on that day to the college campus.
4. Indoor Air Quality is enhanced by regular maintenance of ventilation systems and ensuring proper air circulation.
5. Raising awareness, collaboration with local authorities, and encouragement towards research initiatives focused on air quality management along with regular monitoring and evaluation is maintained.

Air quality management is an ongoing process that requires continuous efforts and involvement from all stakeholders. By implementing these measures, Gargaon College can contribute to a healthier and cleaner environment for the college community and the surrounding areas.

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Water Management and Usage

Water usage, water sources, irrigation, appliances, and fixtures are all addressed within this indicator. The main source of water is ground water. It must be noted that water supplied by the government is also utilised within the campus and the hostels. Other than that, rain water collecting pit or pond is present in order to recharge ground water. Water is used for drinking purpose, toilets and gardening. There is no loss of water by any leakage or overflow from overhead tanks. Water reservoirs for rain water harvesting is present and are well maintained. To ensure safe drinking water for all, several water purifying units are present – in most departments, in common areas as well as the canteen, available to all. Gardens are watered by using drip/sprinkler irrigation system to minimize water use. Under the guidance of Public Health Department, Nazira ground level water recharging unit is under construction.

Vegetable garden 1 acre	**400 L/day during winter** **1000 L/day during summer**
Drinking (No of students, approx. fig)	**1000 L/day**

Rain water harvesting unit

Water tank for College usage

Rain water harvesting for recharging of ground water

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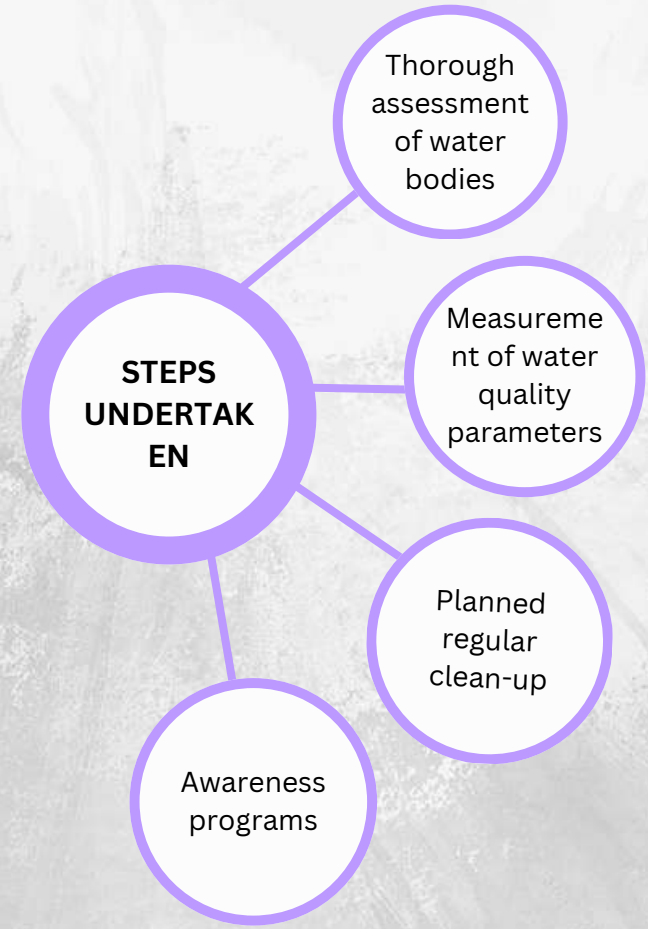
Maintenance and Cleaning of the Water body

The water body at the Gargaon college is cleaned on a regular basis to take care of the aquatic life and the area ecosystem around it. The water body is maintained periodically so as to provide sustainable, continuous, economically safe, and adequate water to the campus. Another objective of the maintenance is to provide diseases free environment

Annual cleaning of weeds and overgrown vegetation of the pond inside the campus

Pictures taken after the cleaning process is complete



1. A thorough assessment of the water body is done to understand the extent of the pollution and to identify the specific areas that need attention. This involves measuring water quality parameters, examining the surrounding area, and documenting any visible pollutants
2. A planned regular clean-up is carried out where volunteers consisting of students, faculty members, staff and local people come together to remove trash and debris from the water body and its surroundings. The college provides necessary utilities such as equipment, buckets, gloves when required, trash bags, and any other necessary equipment to ensure everyone's safety
3. Appropriate departments are consulted to ensure compliance with regulations.

STEPS FOR THE LONG RUN

1. Awareness campaigns to educate the college community about the importance of clean water bodies and the impact of pollution. by utilizing various communication channels such as posters, social media, and campus events to spread the message and encourage participation.
2. Implementation of preventive measures to reduce pollution and maintain the cleanliness of the water body is equally emphasized.
3. To monitor and evaluate the progress is necessary to continuously monitor the water body's condition to track improvements and evaluate the effectiveness of cleaning initiatives.

Cleaning a water body is an ongoing process, and it requires sustained efforts to ensure long-term cleanliness and protection. By involving the college community and raising awareness, we can make a significant impact on preserving the water body for future generations.

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Waste Management

This indicator looks at the production and disposal of various wastes such as paper, food, plastic, construction, glass, dust, and so on, as well as recycling. Furthermore, solid trash frequently contains squandered material resources that may be put to greater use through recycling, repair, and reuse. Since the unscientific waste disposal can endanger everyone, the Gargaon College fraternity is conscious about the amount, kind, and present handling of waste created on campus and how to reuse and properly dispose them.

The campus generates a substantial amount of solid trash through tree droppings. Leaf composting pits are present inside the campus to convert dried leaves into manure. Students are also encouraged to participate in this regard. Separate dustbins for biodegradable and plastic garbage are provided at the point of collection. In all departments, single-sided old sheets are reused for writing and printing, and both side printing is encouraged. Some selected old newspapers are preserved for further research, issue analysis, etc. and rest are handed over to local vendors and old magazines are archived. The department, office, garden, and other areas create very little plastic garbage (0.1 kg per day), which is not classified at the moment of generation nor sent for recycling. Metal and timber trash are collected and sent to licenced scrap dealers for further processing. The existing plastic waste and E-waste are disposed at the municipal collection centre. The municipal corporation collects solid garbage and disposes of it according to its procedures. Installation of a sanitary napkin incinerator at ladies waiting room and in the girl's common room to reduce plastic waste is also a good and hygienic practice.

We want to reduce the total quantity of garbage generated by college staff offices and make use of all municipal and private recycling facilities, such as glass, cans, white, coloured, and brown paper, plastic bottles, batteries, print cartridges, cardboard, and furniture. Biodegradable garbage, such as leaves and food waste, is composted in pits, while organic waste (food waste) is converted into organic manure in vermi-composting units.

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Solid Waste Management

- Segregation of waste begins in the classroom.
- Each classroom dust bins and the common areas have two dust bins, one for biodegradable materials and the other for non-biodegradable materials.
- Wet and dry dustbins are placed in corridors, in front of the classrooms.

STEPS INVOLVED

- Segregation of waste
- Plastic free campus initiatives
- Hands on training for "Waste to wealth"

- Gargaon College has strict regulations towards plastic use and a complete ban on single-use plastics.
- Creating awareness of the environment is one of the significant mandates.
- It is done by putting up display boards as well as awareness programs.
- In practice, besides banning single-use plastic, the college canteen uses reusable utensils as well as paper cups and plates to become environmentally more friendly.

- Gargaon College conducts several student-centric programmes throughout the year that encourages students to prepare different types of items, particularly decorative items that are made individually and show-cased amongst the fraternity of the college
- This is done to infuse the idea that plastic is non-biodegradable and can and should be reused instead of being thrown to reduce the soil quality and affect plants and animal life.

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e-Waste Management

Electronic components contain cadmium, lead, mercury, and polychlorinated biphenyls (PCBs), which can harm human health and the environment. The amount of e-waste created on campus is quite little. E-waste and damaged items from the computer lab are appropriately stored. As a measure of good practice, Gargaon College has an Add-on course on computer hardware networking for utilization and re-utilization of e-wastes. In order to dispose of E-waste in a scientific way, the institution has opted to contact a vendor to collect E-waste from the college to be taken to disposal facility.

To do the same, Memorandum of Understanding exists between Gargaon College and Purbanchal Scrap Trading exists to facilitate proper e-waste management, promote environmental sustainability and facilitate collaborative efforts. The purpose of the collaboration is to ensure environmentally responsible handling of e-waste in compliance with relant regulations and to promote sustainable practices within both institutions.

BEFORE

AFTER

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Plastic Waste Management


Collection of plastic bottles


Separation of plastic bottles


Soil addition for germination


Growth of saplings


Transfer of saplings to Green House


Transfer of saplings to Organic Garden

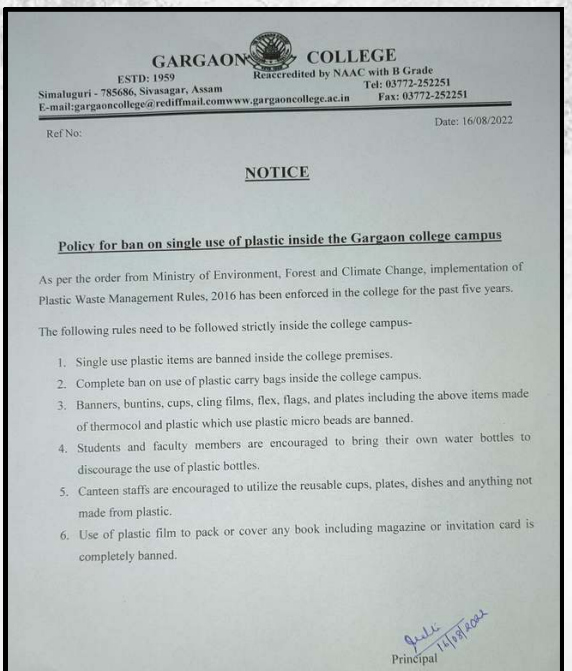

Vegetables grown in Organic Garden


Collection of vegetables for distribution


Vegetables distribution to girls hostel

Rationality of Plastic Bottle bank construction

- **Plastic bottle banks have been constructed at crucial places of the campus for the reuse of used plastic bottles. It serves the following functions:**
- **By providing a designated place for students to dispose of their plastic bottles, colleges can help mitigate plastic pollution by ensuring proper recycling and disposal practices.**
- **To foster a culture of environmental awareness as a tangible reminder of recycling and reducing plastic waste so as to adopt more sustainable habits.**
- **The use of plastic bottles for germination and growth of saplings. The saplings once grown are then transferred to either the Green house or the organic garden of the college. The plants are grown organically by using the leaf compost from the vermicomposting units. Once the vegetables mature and ripe, those are plucked and distributed to the boarders of the hostel.**



GARGAON COLLEGE
ESTD: 1959 Reaccredited by NAAC with B Grade
Simaluguri - 785686, Sivasagar, Assam Tel: 03772-252251
E-mail:gargaoncollege@rediffmail.comwww.gargaoncollege.ac.in Fax: 03772-252251

Ref No: Date: 16/08/2022

NOTICE

Policy for ban on single use of plastic inside the Gargaon college campus

As per the order from Ministry of Environment, Forest and Climate Change, implementation of Plastic Waste Management Rules, 2016 has been enforced in the college for the past five years.

The following rules need to be followed strictly inside the college campus-

1. Single use plastic items are banned inside the college premises.
2. Complete ban on use of plastic carry bags inside the college campus.
3. Banners, buntins, cups, cling films, flex, flags, and plates including the above items made of thermocol and plastic which use plastic micro beads are banned.
4. Students and faculty members are encouraged to bring their own water bottles to discourage the use of plastic bottles.
5. Canteen staffs are encouraged to utilize the reusable cups, plates, dishes and anything not made from plastic.
6. Use of plastic film to pack or cover any book including magazine or invitation card is completely banned.

Principal

গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE

Conclusion

The environmental audit of Gargaon College has provided a comprehensive assessment of the institution's ecological footprint, highlighting areas of strength and opportunities for improvement. The audit reveals a commendable commitment to environmental sustainability through existing practices such as waste management, energy conservation, and green campus initiatives. The areas including enhanced water conservation measures, increased use of renewable energy sources, and expanded environmental education programs have also been addressed. By addressing these areas, Gargaon College has significantly reduced its environmental impact and continues to serve as a model of sustainability in higher education. The recommendations outlined in this audit serve as a roadmap for the college to enhance its environmental performance and achieve its sustainability goals.

The audit process involved detailed analysis and data collection from various departments and facilities within Gargaon College. This rigorous examination has allowed for a clear understanding of the college’s current environmental practices and their effectiveness. It was found that the college has already implemented several green initiatives, such as maintaining a well-kept campus with ample green cover, promoting the use of bicycles, and organizing regular tree-planting drives. These initiatives have not only enhanced the aesthetic appeal of the campus but have also contributed positively to the local ecosystem. Even the energy consumption has substantial reliance on renewable sources. The introduction of solar panels and other renewable energy systems has reduced the college's carbon footprint.

Furthermore, waste segregation practices are in place, with recycling and composting organic waste. Implementing a more robust waste management system will ensure that the college minimizes its environmental impact. Additionally, water usage patterns indicate good conservation strategies. Installing water-efficient fixtures, rainwater harvesting systems, and conduct of regular maintenance of existing conservation measures have significantly reduced water wastage.

The audit also found the integration of environmental topics into the curriculum and the organization of workshops and seminars to raise awareness among students and staff about sustainable practices. In conclusion, Gargaon College has made commendable progress in its journey towards sustainability, but there is some scope for enhancement. By embracing the recommendations provided, the college can further its commitment to environmental stewardship. This proactive approach will not only benefit the college community but also contribute to broader environmental conservation efforts. Gargaon College stands poised to become a leading example of how educational institutions can successfully integrate sustainability into their core operations and culture.

গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE

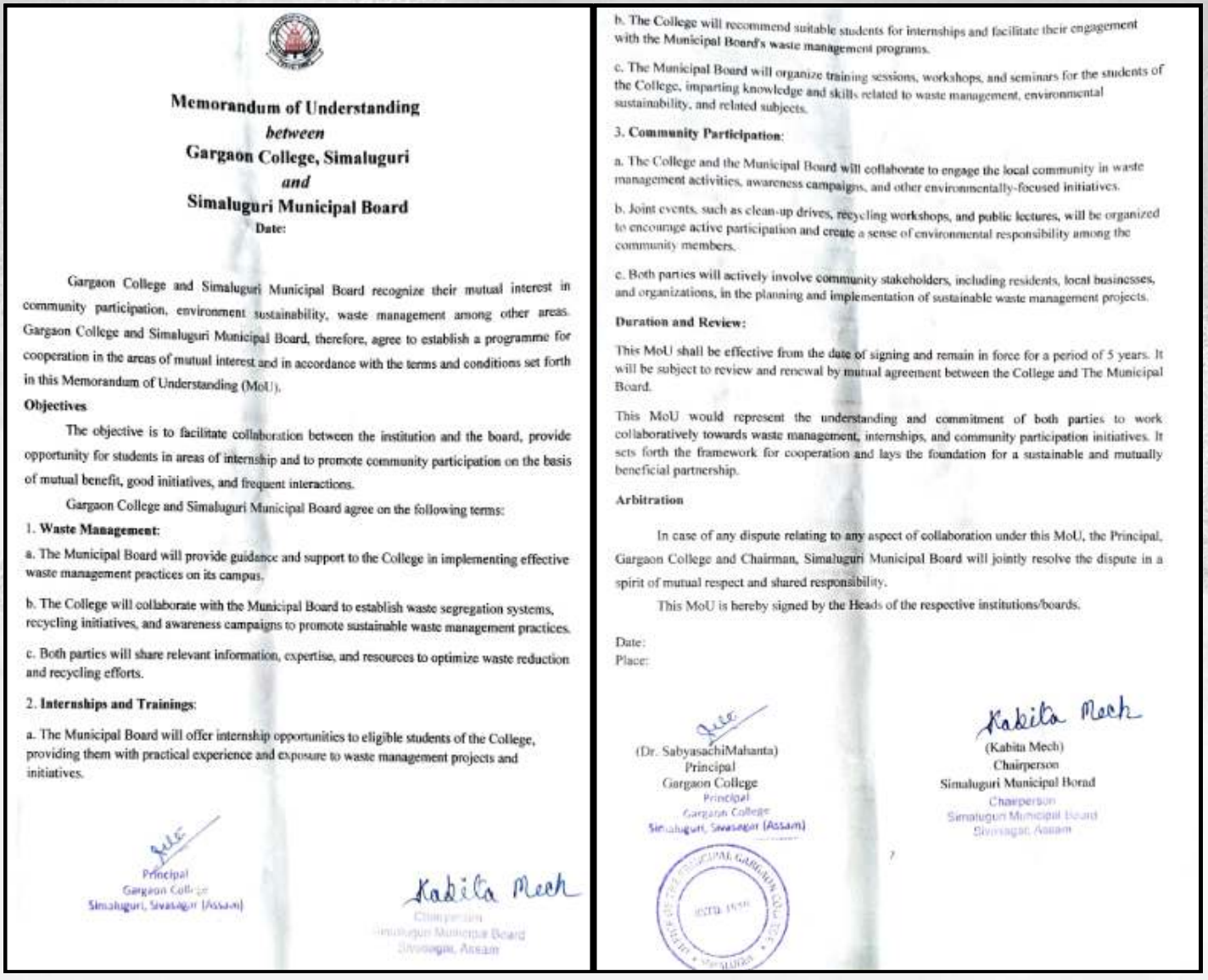
Youtube link of various activities

Sl. no.	Initiative	YouTube Link
1.	E-rickshaw at college campus	
2.	Celebration of World Ocean day	
3.	Fish release and rearing at college pond	
4.	Agaru Plantation at college Campus	
5.	Plantation drive	
6.	Solar lights at the campus	
7.	Campus ecology of the college	
8.	Organic Garden of the college	
9.	Workshop on Vermicompost	
10,	Vermicompost Project	
11.	Making of and using leaf-compost	
12.	Observance of World Wetland Day	
13.	Fish production at college pond	
14.	World Ozone Day Celebration	
15.	Banana Leaf Plate preparation	

গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE

CERTIFICATES OF AUDITING AGENCIES

MoU



Memorandum of Understanding
between
Gargaon College, Simaluguri
and
Simaluguri Municipal Board
Date:

Gargaon College and Simaluguri Municipal Board recognize their mutual interest in community participation, environment sustainability, waste management among other areas. Gargaon College and Simaluguri Municipal Board, therefore, agree to establish a programme for cooperation in the areas of mutual interest and in accordance with the terms and conditions set forth in this Memorandum of Understanding (MoU).

Objectives

The objective is to facilitate collaboration between the institution and the board, provide opportunity for students in areas of internship and to promote community participation on the basis of mutual benefit, good initiatives, and frequent interactions.

Gargaon College and Simaluguri Municipal Board agree on the following terms:

1. **Waste Management:**

a. The Municipal Board will provide guidance and support to the College in implementing effective waste management practices on its campus.

b. The College will collaborate with the Municipal Board to establish waste segregation systems, recycling initiatives, and awareness campaigns to promote sustainable waste management practices.

c. Both parties will share relevant information, expertise, and resources to optimize waste reduction and recycling efforts.

2. **Internships and Trainings:**

a. The Municipal Board will offer internship opportunities to eligible students of the College, providing them with practical experience and exposure to waste management projects and initiatives.

Principal
Gargaon College
Simaluguri, Sivasagar (Assam)

Kabita Mech
Chairperson
Simaluguri Municipal Board
Sivasagar, Assam

b. The College will recommend suitable students for internships and facilitate their engagement with the Municipal Board's waste management programs.

c. The Municipal Board will organize training sessions, workshops, and seminars for the students of the College, imparting knowledge and skills related to waste management, environmental sustainability, and related subjects.

3. **Community Participation:**

a. The College and the Municipal Board will collaborate to engage the local community in waste management activities, awareness campaigns, and other environmentally-focused initiatives.

b. Joint events, such as clean-up drives, recycling workshops, and public lectures, will be organized to encourage active participation and create a sense of environmental responsibility among the community members.

c. Both parties will actively involve community stakeholders, including residents, local businesses, and organizations, in the planning and implementation of sustainable waste management projects.

Duration and Review:

This MoU shall be effective from the date of signing and remain in force for a period of 5 years. It will be subject to review and renewal by mutual agreement between the College and The Municipal Board.

This MoU would represent the understanding and commitment of both parties to work collaboratively towards waste management, internships, and community participation initiatives. It sets forth the framework for cooperation and lays the foundation for a sustainable and mutually beneficial partnership.

Arbitration

In case of any dispute relating to any aspect of collaboration under this MoU, the Principal, Gargaon College and Chairman, Simaluguri Municipal Board will jointly resolve the dispute in a spirit of mutual respect and shared responsibility.

This MoU is hereby signed by the Heads of the respective institutions/boards.

Date:
Place:

(Dr. SabyasachiMahanta)
Principal
Gargaon College
Principal
Gargaon College
Simaluguri, Sivasagar (Assam)

Kabita Mech
(Kabita Mech)
Chairperson
Simaluguri Municipal Borad
Chairperson
Simaluguri Municipal Board
Sivasagar, Assam