



গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE
NAAC accredited with 'B' Grade

GREEN AUDIT 2022-23





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Report on Green Audit

Prepared by
Green Audit team
Gargaon College, Simaluguri



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Certificate

This is to certify that the Green Audit Report of Gargaon College has been prepared based on the findings of green and environmental audit conducted by the college based on the tour of the college, 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.

(Dr. Sabyasachi Mahanta)

Principal

Gargaon College
Principal
Gargaon College
Simaluguri, Sivasagar (Assam)

(Dr. Prabhat Nath)

Coordinator

Institutional Biotech Hub

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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 at Gargaon 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 distance mode) 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 to focus on the individual requirements of each student 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 students of the college 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 help students develop their skills and chart out successful careers.

Vision of the College

Education is the fulcrum to actualize human potential in this rapidly changing world landscape. In this direction, Gargaon College is committed towards accomplishing the following vision:

- Imparting highest quality education to its students and bringing them on par with the world.
- Providing quality teaching and guidance to the diverse student community and enabling them to realize and utilize their potentials and creativity to the fullest.
- Providing best possible classroom environment, strong student-teacher relationship and an enhanced campus life.
- Providing strong support services to the students towards successful completion of degrees as well as successful career advancement and employment opportunities.
- Promoting continuous educational innovations, creative expressions and artistic productivity by fostering a vibrant knowledge-based atmosphere.
- Generating research and extension activities for the development of the society.

Mission of the College

The motto of Gargaon College is “to provide quality education by infusing a new spirit among the learners.” Keeping with the motto, the college aims at the following endeavours:

- Expanding the knowledge base and mindset of the students by emphasizing upon both traditional as well as modern value-based education.
- Inculcating positive thinking, honesty, integrity and a sense of moral and social belongingness among the learners so as to empower them to shape the future of our society.
- Emphasizing on extracurricular activities in various fields to nurture the talents and skills of the learners.



Objectives of Green Audit

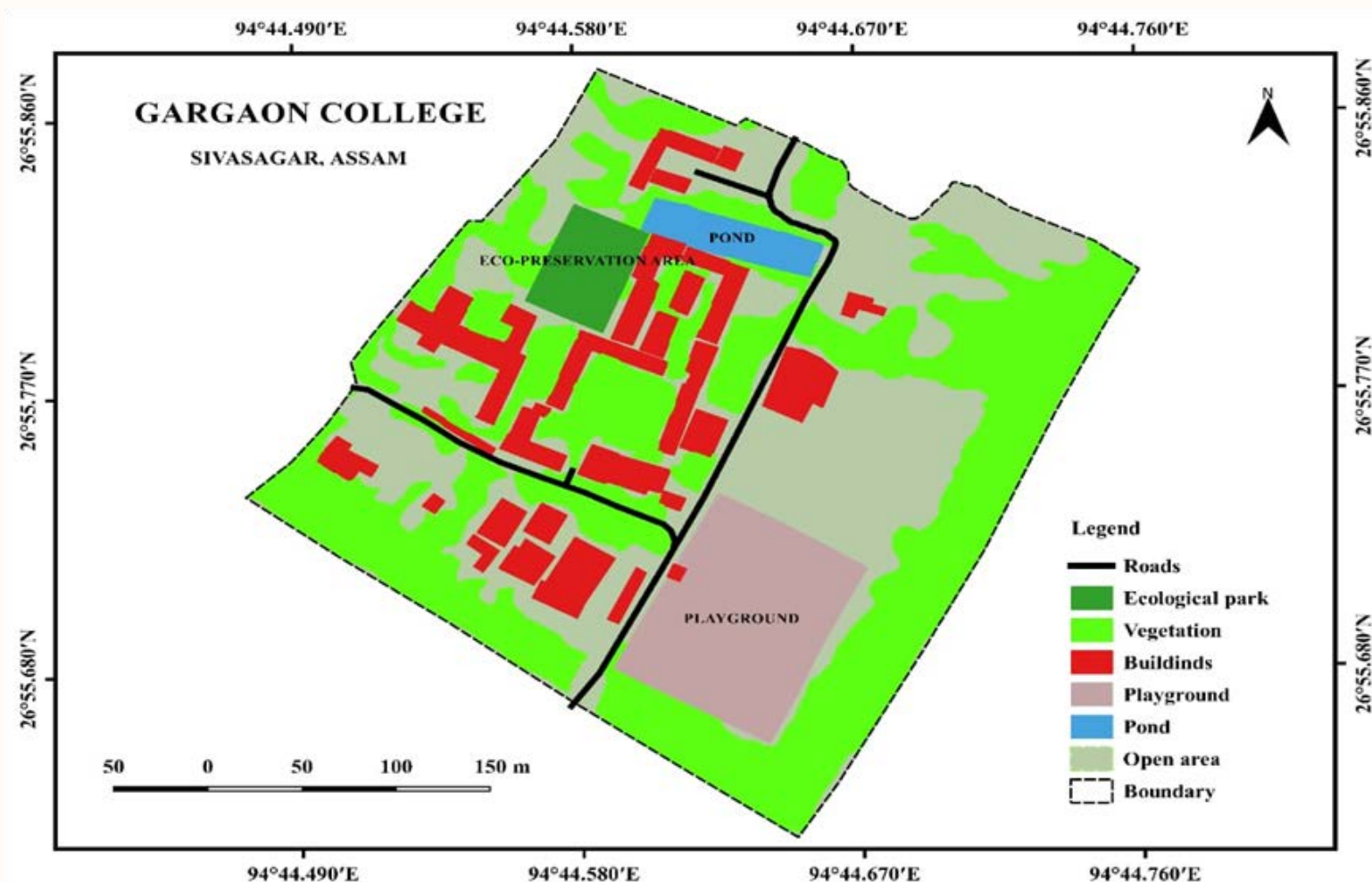
The green audit process assesses and identifies the opportunities for sustainable development processes, enhance the quality of environment, improve health and hygiene, energy saving processes, water management, waste management etc. The main objective of green and environmental auditing is to help the 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 pits and vermicomposting unit.



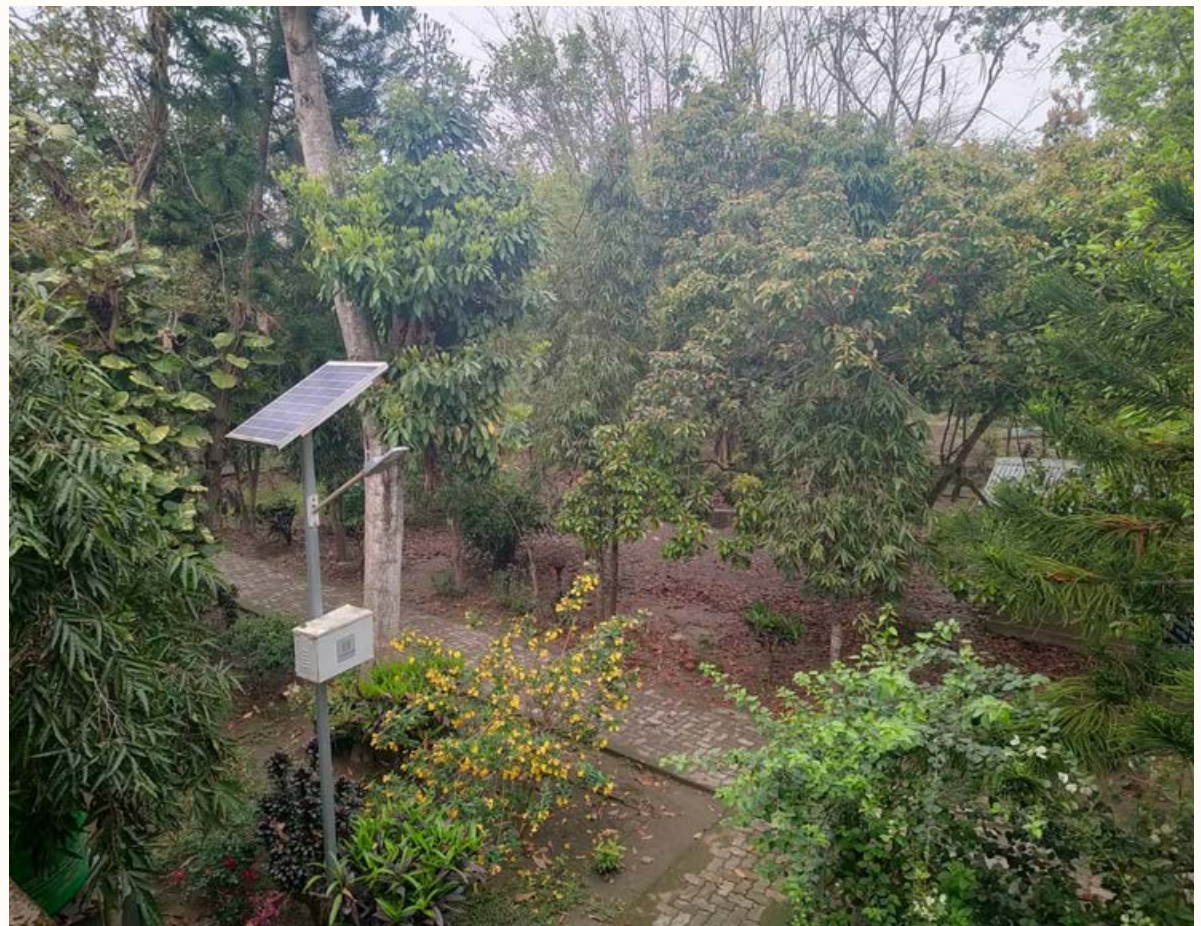


Green Campus Management

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.





To sustain bio-diversity, the campus is situated with a large number of trees. The NSS (National Service Scheme) unit, Gargaon college Eco club organises 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.

Tree plantation program

Gargaon College has undertaken tree plantation programme on various occasion like World Environment Day, Teachers Day etc.



Figure: Tree Plantation Drive within college campus



Botanical Garden

Gargaon college maintains a botanical garden with aim to collect, cultivate and preserve wide range of plants, animal, 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.

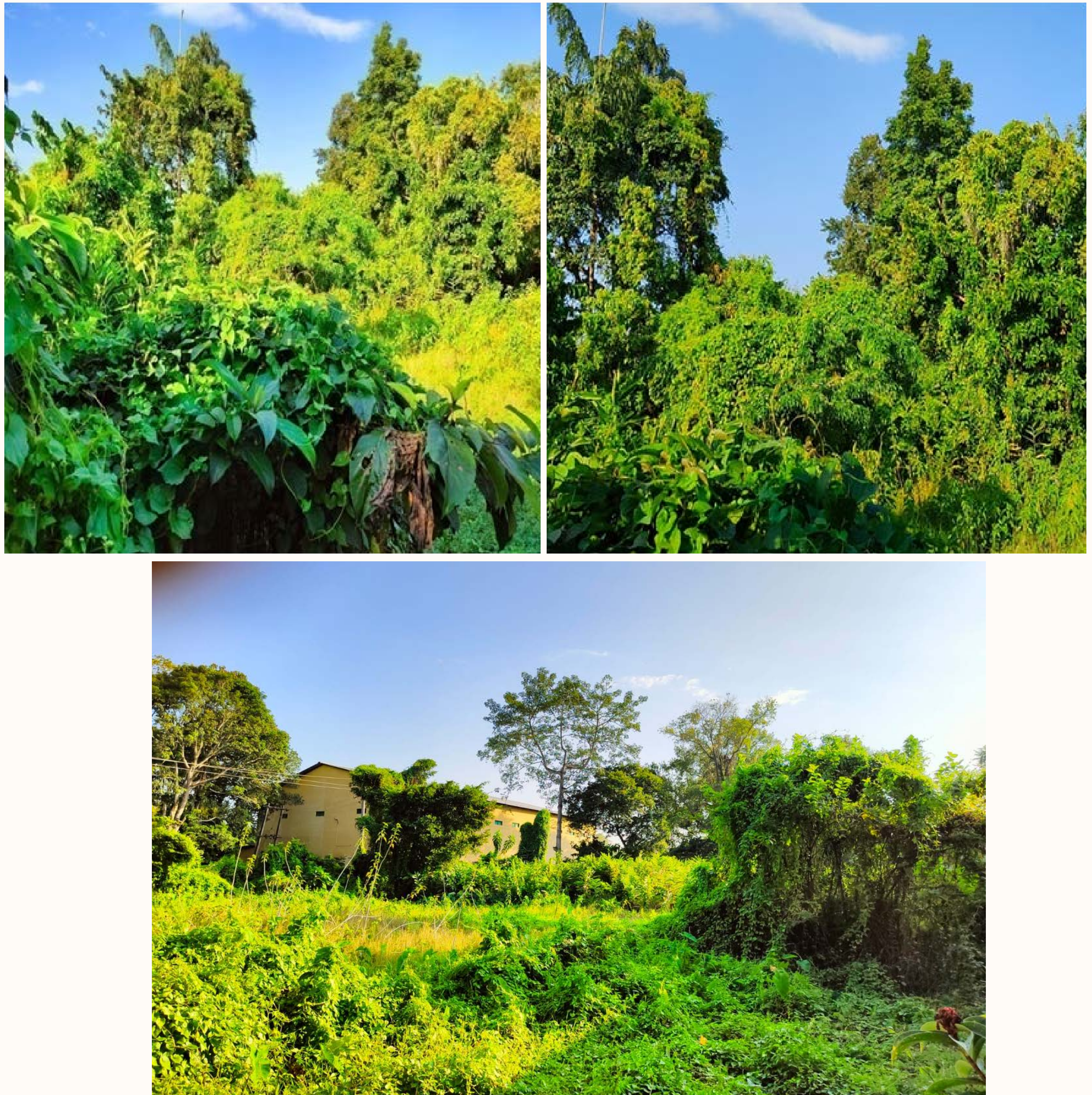


Figure: A view of the Botanical Garden



Organic garden

The college has an organic garden or farm to cultivate vegetables and fruits. The organic vegetable farm covers area approximately 1 acre. Along with the vegetables medicinal plants are also planted and maintained within the area.



Figure: A view of the Organic Garden



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





Some fruit yielding plants present in college campus:

Common name	Scientific name
Mango	<i>Mangifera indica</i>
Banana	<i>Musa sp.</i>
Aamlokhi	<i>Phyllanthus emblica</i>
Kothal	<i>Artocarpus heterophyllus</i>
Bogori	<i>Ziziphus mauritiana</i>
Olive	<i>Elaeocarpus floribundus</i>
Black-berry	<i>Syzygium cumini</i>
Litchi	<i>Litchi chinensis</i>
Outenga	<i>Dillenia indica</i>
Guava	<i>Psidium guajava</i>
Lemon	<i>Citrus limon</i>
Pine-apple	<i>Ananas comosus</i>
Custard-apple	<i>Annona reticulate</i>
Pomegranate	<i>Punica granatum</i>
Wood-apple	<i>Aegle marmelos</i>
Orange	<i>Citrus reticulate</i>
Coconut	<i>Cocos nucifera</i>
Tamul	<i>Areca catechu</i>
Bokul	<i>Mimusops elengi</i>
Teteli	<i>Tamarindus indica</i>
Papaya	<i>Carica papaya</i>
Areca-nut	<i>Areca catechu</i>
BogiJamuk	<i>Syzygium jambos</i>
Leteku	<i>Baccaurea ramiflora</i>
Nogatenga	<i>Myrica rubra</i>
Ahom Bogori	<i>Prunus persica</i>
Nora Bogori	<i>Prunus domestica</i>
Poniol	<i>Flacourtia jangomas</i>
Silikha	<i>Terminalia chebula</i>
Akhrot	<i>Juglans regia</i>
Miricatenga	<i>Elaeagnus angustifolia</i>
Coffee	<i>Coffea robusta</i>
Sewatamul	<i>Caryota urens</i>
Robabtenga	<i>Citrus grandis</i>
Karjatenga	<i>Carissa carandas</i>
Kordoi	<i>Averrhoa carambola</i>
Akhrot	<i>Aesculus indica</i>
Khejur	<i>Phoenix dactylifera</i>



Some medicinal plants present in college campus

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



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

Some timber yielding plants present in college campus

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



Some ornamental plants present in college campus

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

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



Figure: Green Corridors



Philodendron sp.



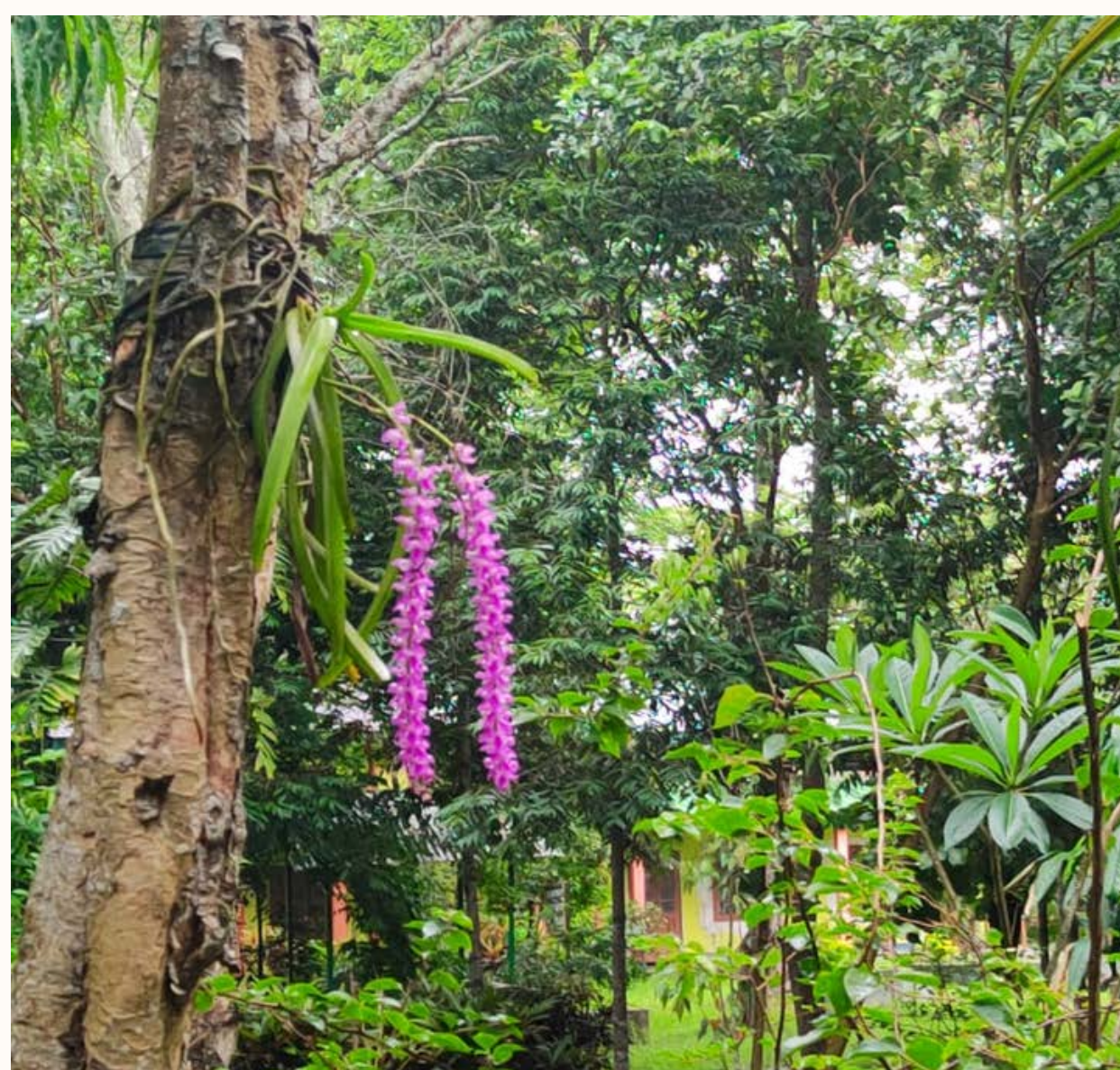
Piper longum



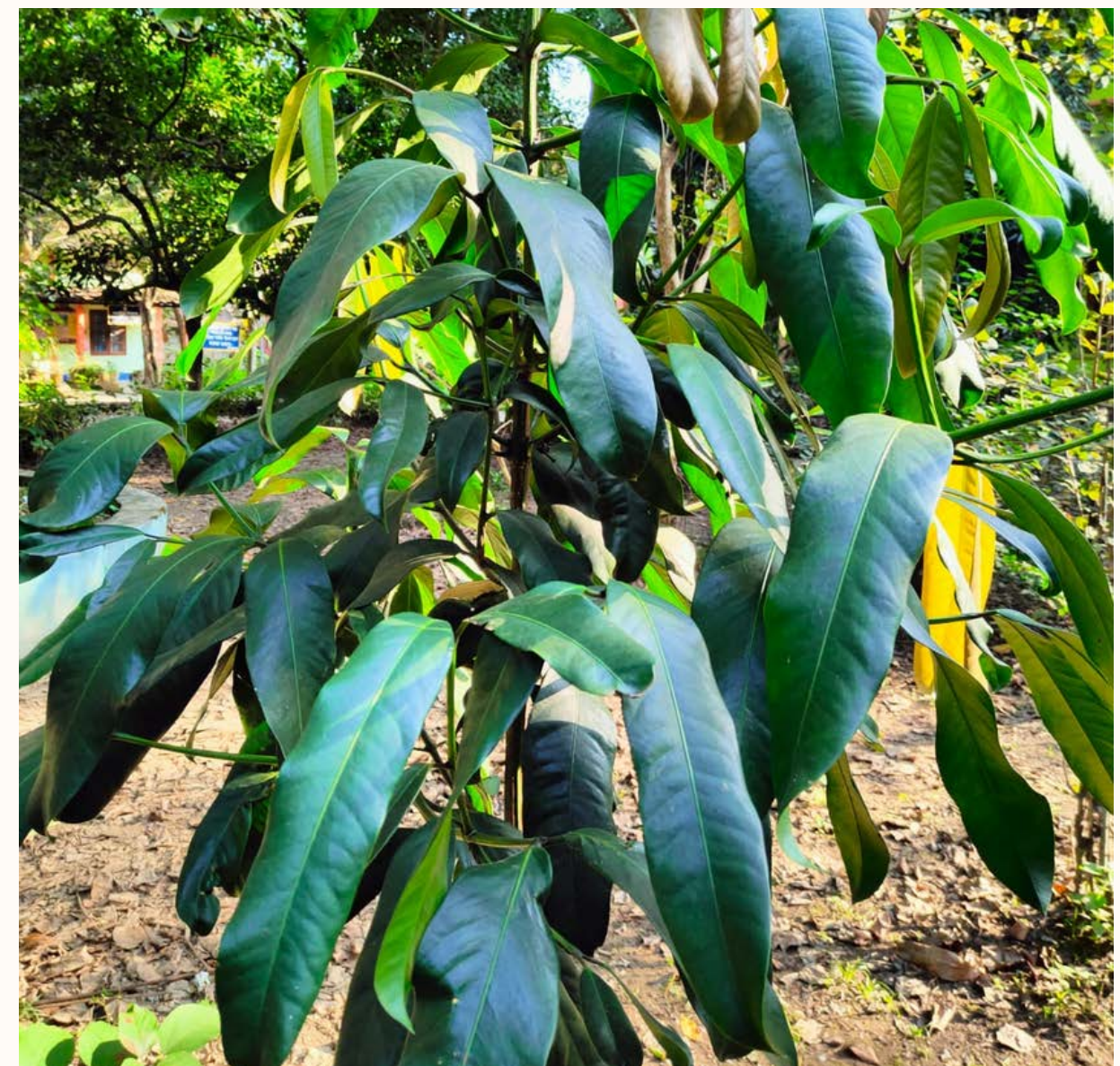
Oxalis corniculata



Solanum torvum



Rhynchosyilis retusa



Garcinia xanthochymus



Dendrobium aphyllum



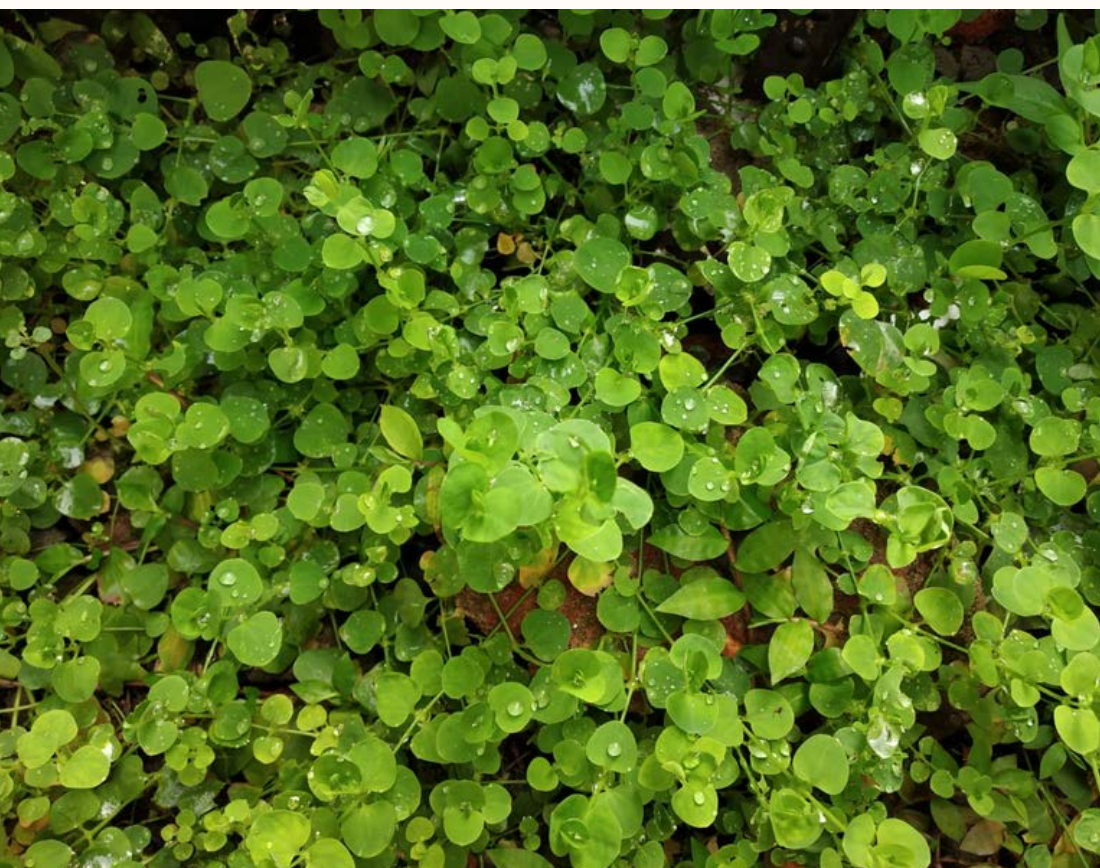
Cassia fistula



Eclipta alba



Clitoria ternatea



Drymaria cordata



Houttuynia cordata



Selaginella sp.



Oxalis debilis



Ziziphus mauritiana



Ixora chinensis



Mimusops elengi



Averrhoa carambola



Plumeria alba



Cycas sp.



Butea monosperma



Croton sp.

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



Animal Diversity of Gargaon College Campus

The 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 for promoting sustainable agricultural practices in the 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 with various fruit bearing, flowering and ornamental plants, various 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	<i>Eutropismacularia</i>
Scincidae	Spotted Litter skink	<i>Sphenomorphus maculatus</i>
Varanidae	Bengal Monitor	<i>Varanus bengalensis</i>
Gekkonidae	Brook's House Gecko	<i>Hemidactylus brookii</i>
Scincidae	Many-lined Grass Skink	<i>Eutropismulti fasciata</i>
Chamaeleonidae	Chameleon	<i>Chamaeleo zeylanicus</i>
Sciuridae	Orange bellied Himalayan squirrel	<i>Dremomys lokriah</i>
Sciuridae	Hoary-bellied Himalayan Squirrel	<i>Callosciurus pygery</i>
Colubridae	Red necked keelback	<i>Rhabdophis subminiatus</i>
Colubridae	Assamese cat snake	<i>Boiga quincunciata</i>
Colubridae	Painted bronzeback snake	<i>Dendralephis pictus</i>



Some bird species found in college campus:

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



Some fishes available in Gargaon College Ponds, and other marshland area available in and around the campus of Gargaon College:

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



Some butterflies found in college campus:

Family	Common Name	Scientific Name
Nymphalidae	Lemon pansy	<i>Junonia lemonias</i> (Linnaeus)
Hesperiidae	Small-branded swift	<i>Pelopidas mathias</i> (Fabricius)
Nymphalidae	Chocolate pansy	<i>Junonia iphita</i> (Cramer)
Nymphalidae	Leopard lacewing	<i>Cethosiacyane</i> (Drury)
Hesperiidae	Coon	<i>Sancus fuligo</i> (Mabille)
Nymphalidae	Blue spotted crow	<i>Euploeamidamus</i> (Linnaeus)
Hesperiidae	Common banded demon	<i>Notocrypta parahysos</i>
Nymphalidae	Common evening brown	<i>Melanitis leda</i> (Linnaeus)
Hesperiidae	Fulvous pied flat	<i>Pseudocoladenia dan</i> (Fabricius)
Nymphalidae	Grey count	<i>Tanaecialepidea</i> (Butler)
Nymphalidae	Common sailor	<i>Eptishylas</i> (Linnaeus)
Nymphalidae	Common crow	<i>Euploea core</i> (Cramer)
Lycaenidae	Zebra blue	<i>Leptotes plinius</i> (Fabricius)
Nymphalidae	Great egg fly	<i>Hypolimnas bolina</i> (Linnaeus)
Lycaenidae	Yamfly	<i>Loxura atymmus</i> (Stoll)
Nymphalidae	Common bush brown	<i>Mycalesis perseus</i> (Fabricius)
Pieridae	Common grass yellow	<i>Eurema hecabe</i> (Linnaeus)
Nymphalidae	Common five ring	<i>Ypthimabaldus</i> (Fabricius)
Nymphalidae	Knight	<i>Lebadea martha</i> (Fabricius)
Nymphalidae	Eastern five ring	<i>Ypthimapersimilis</i>
Nymphalidae	Striped tiger	<i>Danaus genutia</i> (Cramer)
Nymphalidae	Common palm fly	<i>Elymnias hypermestra</i> (Linnaeus)
Lycaenidae	Red pierrot	<i>Talica danayseus</i> (Guerin-Meneville)
Nymphalidae	Large yeoman	<i>Cirrochroa aoris</i> (Doubleday)
Lycaenidae	Common pierrot	<i>Castalius rosimon</i> (Fabricius)
Nymphalidae	Common baron	<i>Euthalia aconthea</i> (Cramer)
Hesperiidae	Grass demon	<i>Udaspes foehus</i> (Cramer)
Nymphalidae	Plain tiger	<i>Danaus chrysippus</i> (Linnaeus)
Nymphalidae	Grey pansy	<i>Junonia atlites</i> (Linnaeus)
Lycaenidae	Common tit	<i>Hypolycaena aerylus</i> (Godart)
Nymphalidae	Banded tree brown	<i>Lethe confusa</i> (Aurivillius)
Pieridae	Mottled emigrant	<i>Catopsilia pyranthe</i> (Linnaeus)
Lycaenidae	Common silverline	<i>Spindasis vulcanus</i> (Fabricius)
Pieridae	Red base jezebel	<i>Delias pasithoe</i> (Linnaeus)
Lycaenidae	Chocolate royal	<i>Remelanajungala</i> (Horsfield)
Pieridae	Common emigrant	<i>Catopsilia pomona</i> (Fabricius)
Lycaenidae	Common imperial	<i>Cheritra freja</i> (Fabricius)
Lycaenidae	Pale grass blue	<i>Pseudozizeeria maha</i> (Kollar)

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



Parakeet species



Brown Hawk Owl



White breasted water hen

Photographs of some bird species seen inside the college campus



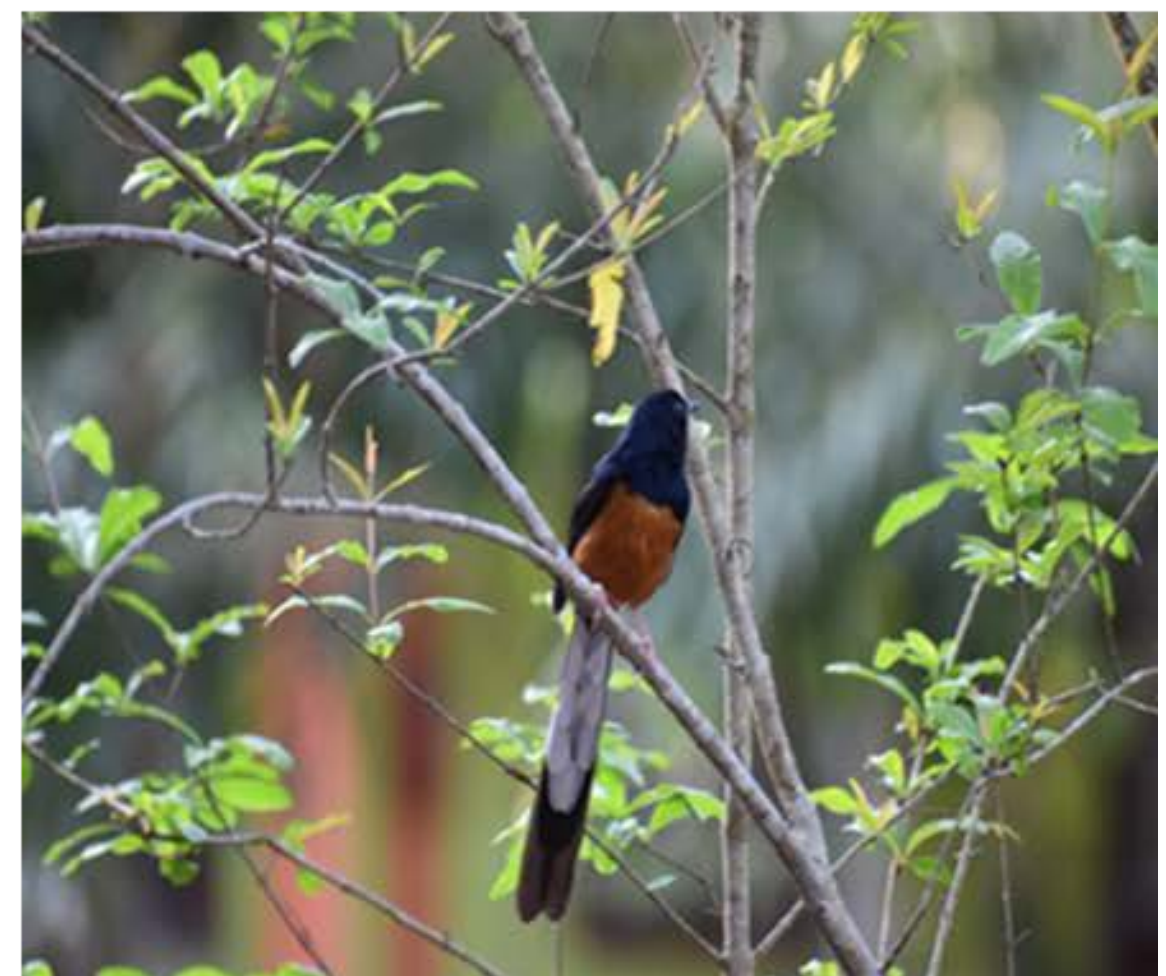
Common barbet



Wild Moina



Red-vented Bulbul



Rufous treepie

Photographs of some bird species seen inside the college campus



Striped tiger



Common pierrot



Dark Grass Blue



Photographs of some butterflies seen inside the college campus



Assamese macaque



Hoary-bellied Squirrel



Varamus bengalensis



Red necked keelback snake



Milk snake



Assamese cat snake

Photographs of some reptiles, mammals seen inside the college campus



Photographs of some fishes collected from Gargaon college ponds



Mastacembelus macrognathus



Channa aurentimaculata



Amblypharyngodon mola



Botia dero



Anabas testudineous



Channa punctata



Puntius sophore



Labeo boga



Photographs of some fishes collected from Gargaon college ponds



Trichogaster fasciatus



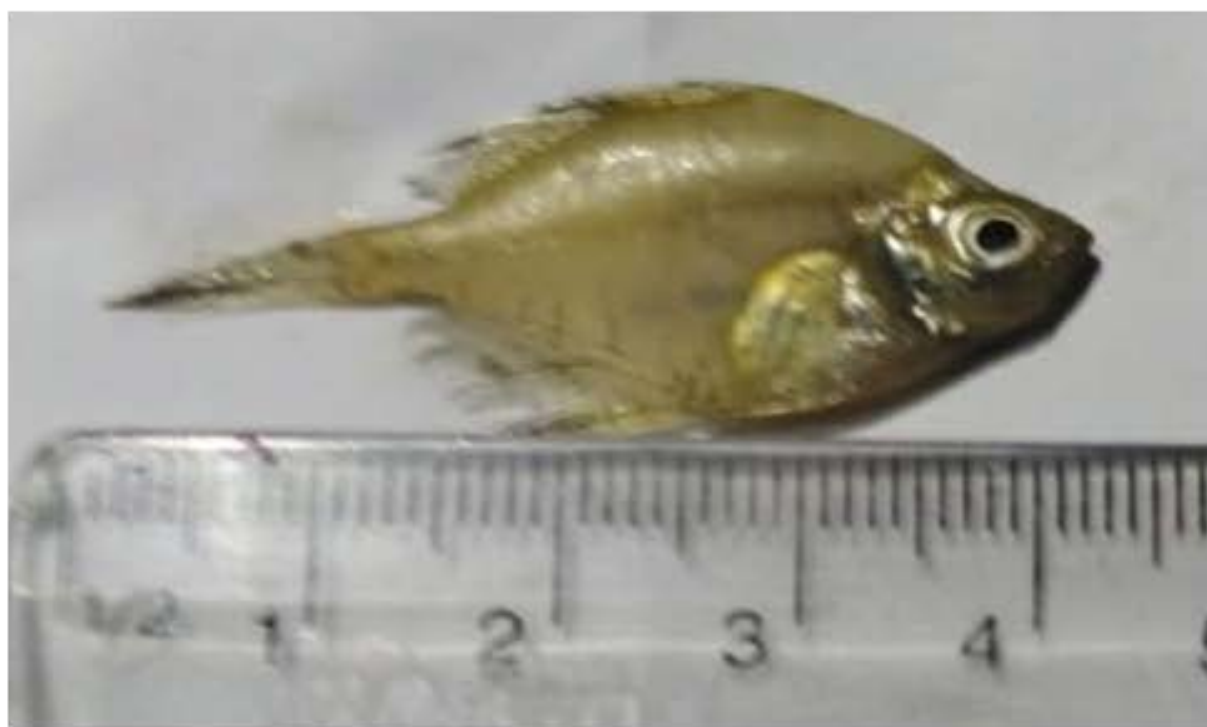
Glossogobius giuris



Chanda nama



Nandus nandus



Chanda ranga



Lepidocephalichthys guntea



Pachypterus athrenoides



Badis assamensis



Photographs of some fishes collected from Gargaon college ponds





Photographs of Gargaon college ponds



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.

