

DIMORIA COLLEGE, KHETRI

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3rd CYCLE NAAC ACCREDITATION 2022

CRETERION 7

7.1.2: The Institution has facilities and initiatives for

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and nondegradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

Submitted to



National Assessment and Accreditation Council
An Autonomous Institution of the University Grants Commission

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

1. Alternate sources of energy and energy conservation measures



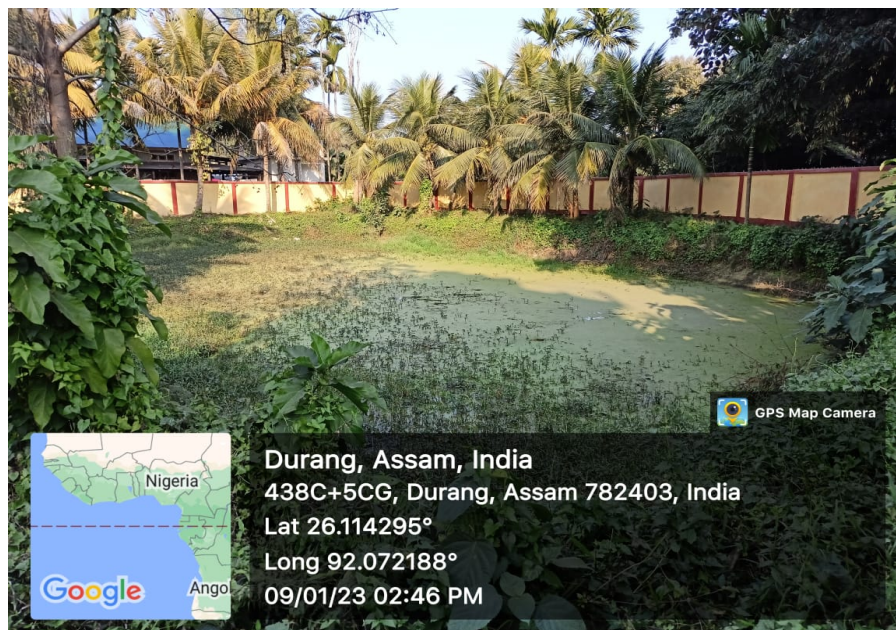
The college has two generators to suffice for the power cuts during the college hours. This helps us to proceed with the classes, exams and other activities and events throughout the year without any hindrance. 20 solar lights have also been installed across the college campus and the Girl's Hostel, under the CSR initiative of Star Cement. This empowers the campus through sustainable energy efficiency measures.

2. Management of the various types of degradable and non-degradable waste



Our College have separate waste deposit chamber for bio-degradable and non-degradable waste of the campus. These waste disposal units have been installed under the KMDWSC, Government of Assam. It has been maintained by the NSS Unit of the college. These recycling units also generate Vermicomposting which are further used for plant care.

3. Water Conservation

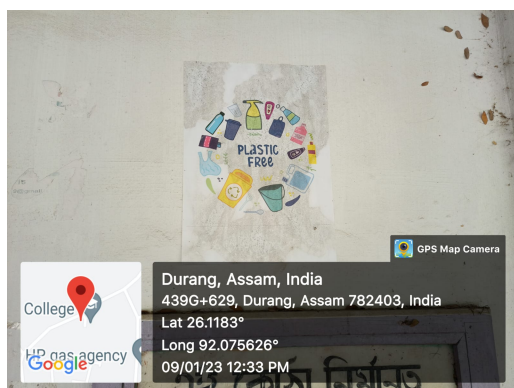




The college has two big water bodies, where rainwater of the campus is deposited. The first is in the College campus and the second is in the New Girl's Hostel. The College uses these water bodies for fishery, recreation activities, and as ecosystem conservation for the neighbouring birds as a part of our environmental responsibility. They are occasionally cleaned and we make sure that there is no garbage disposal in the water bodies.

4. Green Campus Initiatives:

The college promotes environmental friendly practices which positively impacts the daily lives of the students. We empower community solidarity, noise reduction and peace, through tree plantations and their proper care thereafter. The entire campus is filled with green spots. We do not allow any vehicles inside the campus. This enables us to protect the environment of the visiting migratory birds, namely the yellow footed green pigeons, inside the campus trees. We are in the process of making the campus plastic free. We have also installed bamboo crafted dustbins around the campus. There is a medicinal garden, which promotes the country's overall aim of developing ethnomedicine, a step towards *Ayush Bharata*. The campus is also blessed with natural water reservoirs which harbours a diverse aquatic ecosystem. The campus is also a Tobacco and substance free campus.



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Proceedings of the meeting of the Committee for preparation of the Perspective Plan of the college for the current and the upcoming academic years.
Date: 04 March, 2022
Time: 12:00 Noon

The Committee decided unanimously that the Perspective Plan would be prepared for the year 2022-23 in this connection the committee decided that the plan would be made primarily on the following four criteria:

- Academics
- Infrastructure
- Administrative
- Institutional Social responsibility

The Committee arrived at the following resolutions after a comprehensive deliberation on each of the criteria.

It is hereby resolved that the committee would prepare the plan for the development of the infrastructure of the college in adherence to the criteria / guidelines provided by NAAC. The Committee also made the following resolutions: decisions unanimously for the development of the infrastructure of the college:

INFRASTRUCTURE:

- ❖ Up gradation of the ICT facilities including Wi-Fi, interactive classrooms, Computer laboratories/ centres etc.
- ❖ Completion all the necessary official works concerned with demarcation, documentation, and possession of the college lands (*Naamjauri* etc.).
- ❖ Upgradation and state-of-the-art automation of the College Library.
- ❖ Beautification of the college premises, placing of dustbins etc.
- ❖ Upgradation and proper maintenance of the Swimming Pool and its adjacent area.
- ❖ Proper maintenance and utilisation of the water bodies in possession of the college.
- ❖ Improvement of hostel facilities for both boys and girls.
- ❖ Construction of staff quarters and guest house.
- ❖ Improvement of the sports infrastructure; improvement of the college playground etc.
- ❖ Improvement of canteen facilities.
- ❖ Making of a 3D Physical model of the campus projecting the perspective plan.

ACADEMICS

- ❖ Expansion of Post Graduate Departments; improvement of existing PG Departments and introduction of new PG Courses.
- ❖ Introduction of Vocational and Skill development Courses.
- ❖ Creation of a Central Instrumentation Facility to cater to the needs of various departments and also create a research friendly environment.
- ❖ Improvement of College Library to cater to the needs of the students at all levels and also the teachers.
- ❖ Subscription of reputed national and international journals.
- ❖ Encouraging the use of IT enabled classrooms by teachers and increase the number of such classrooms.

ADMINISTRATION

- ❖ Fully automated office system
- ❖ Periodical trainings for non-teaching staff for enhancing the efficiency of the administrative machinery.
- ❖ Creation of a cost-effective printing setup for office use and examinations.
- ❖ Improvement of the Students' grievance redress and monitoring system.
- ❖ Online attendance for teachers and students.

INSTITUTIONAL SOCIAL RESPONSIBILITY

Fulfillment of the social responsibility of the college is to be more actively pursued by various activities like:

- ❖ Organisation of outreach programmes by various academic departments.
- ❖ Asset creation and improvement of the socio-economic life of the adopted villages.

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accommodating for various infrastructures of the college. The diverse physiography influenced by adjacent forested hilly terrain, helps the campus to harbour rich vegetation.

Area surrounding the campus is sparsely populated and the locality being a rural one, human intervention is relatively low. Lush green hills with thick forests of Meghalaya are also in close proximity to the college campus. The diverse physiography in the vicinity of the college campus like hills, plains and stream has considerable influence in the biodiversity of the area. The campus is endowed with terrestrial as well as aquatic vegetation. Most of the plant species are dicotyledonous. Some species are monocotyledonous, and some are gymnosperms. Plant species with their available local names are listed below:

ANGIOSPERMS

Dicotyledons

Sl.	Name of species	Family	Local Name
1	<i>Ranunculus cantoniensis</i> DC.	Ranunculaceae	--
2	<i>Polyalthia longifolia</i> (Sonner) Thw.	Annonaceae	Debadaru
3	<i>Polyalthia var. pendula</i> (Sonner) Thw.	Annonaceae	Debadaru
4	<i>Nymphaea nouchali</i> Burm. F.	Nymphaeaceae	Boga Bhet
5	<i>Nymphaea rubra</i> Roxb. Ex Andrews	Nymphaeaceae	Ronga Bhet
6	<i>Nelumbo nificera</i> Gaertn.	Nelumbonaceae	Podum
7	<i>Argemone mexicana</i> L.	Papaveraceae	Xilkata
8	<i>Cleome viscosa</i> L.	Cleomaceae	Hurhuria
9	<i>Mesua ferrea</i> L.	Clusiaceae	Naahor
10	<i>Abutilon indicum</i> (L.) Sweet	Malvaceae	Jopa
11	<i>Hibiscus rosa-sinensis</i> L.	Malvaceae	Rakta Joba
12	<i>Malvaviscus arboreus</i> Cav.	Malvaceae	Tikani-Joba
13	<i>Sida cordifolia</i> L.	Malvaceae	Sonborial
14	<i>Sterculia villosa</i> Roxb.	Sterculiaceae	Odal
15	<i>Elaeocarpus floribundus</i> BL.	Elaeocarpaceae	Jalphai

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- ❖ Collaboration with various state and central government departments and agencies.
- ❖ Collaboration with various NGOs and international agencies like the Unicef.
- ❖ The College NSS Unit and NCC Unit to play vital role in these endeavours.

The resolutions/ decisions are made unanimously in presence of the following members of the Committee for preparation of the Perspective Plan of the college for the current and the upcoming academic years.

Name	Signature
Dr. Biman Kumar Bhatta, Principal and Chairman of the Committee	
Mr. Manabiyoti Barkakaty, Associate Professor, Coordinator, IQAC, and Member of the Committee.	
Dr. Apurba Buzarbaruah, Associate Professor and Member of the Committee.	
Mr Bhaskar Jyoti Deka, Associate Professor and Member of the Committee.	
Mr Paukaj Bhatacharjya, Assistant Professor and Member of the Committee.	
Mr Anup Dutta Baruah, Assistant Professor and Member of the Committee.	
Mr Partha Pratim Gogoi, Assistant Professor and Member of the Committee.	

Principal
Dimoria College, Khetri

Dimoria College
Est. 1979
Khetri

29	<i>Panicum repens</i> L.	Poaceae	
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Gymnosperm

Sl.	Name of species	Family	Local Name
1	<i>Cycas pectinata</i> Buch-Ham.	Cycadaceae	
2	<i>Pinus Khasiana</i> Hook. f.	Pinaceae	Saralgos
3	<i>Araucaria heterophylla</i> (Salisb.) Franco.	Araucariaceae	
4	<i>Cryptomeria japonica</i> (L. f.) D. Don	Cupressaceae	
5	<i>Thuja occidentalis</i>	Cupressaceae	

Presence of 143 species of Angiospermic taxa representing 120 genera under 61 families, with many valuable and economically important plants, makes the Dimoria College campus with rich biodiversity.

Alee Sarma
Dr. Alee Sarma, Associate Prof.

Co-ordinator

Department of Botany

Dimoria college.

[Signature]
Principal
Dimoria College, Khetri



Campus Biodiversity Report

CAMPUS BIODIVERSITY OF DIMORIA COLLEGE, KHETRI

Introduction:

Biodiversity is the variety and variability of life on Earth. It is typically a measure of variations at the genetic, species and eco-system level. Biodiversity is important to most aspects of our lives. We value biodiversity both for what it provides to humans, and for the value it has in its own right. It provides many basic needs humans obtain from biodiversity such as food, fuel, shelter, and medicine. Further, ecosystems provide crucial services such as pollination, seed dispersal, climate regulation, water purification, nutrient cycling, and control of agricultural pests. Biodiversity also holds value for potential benefits not yet recognized, such as new medicines and other possible unknown services. Biodiversity has cultural value to humans as well, for spiritual or religious reasons for instance. The intrinsic value of biodiversity refers to its inherent worth, which is independent of its value to anyone or anything else. This is more of a philosophical concept, which can be thought of as the inalienable right to exist.

Over the last century, humans have come to dominate the planet with rapid population as well as developmental growth, causing rapid change to ecosystem and massive loss of biodiversity across the planet. Major direct threats to biodiversity include habitat loss and fragmentation, unsustainable resource use, invasive species, pollution, and global climate change.

Dimoria College campus biodiversity:

Dimoria College is located at the eastern fringe of Kamrup (Metro) district of Assam. It lies between $92^{\circ} 04' 28''$ E to $92^{\circ} 45' 39''$ E Longitude and $26^{\circ} 07' 10''$ N to $26^{\circ} 07' 03''$ N Latitude. It has tropical climate, with average temperature ranging between 37° C maximum and 13° C minimum. Soil type is brown and redish sandy loam rich in both macro and micronutrients. The college campus is located in a biodiversity hotspot region. It is surrounded by hills, stream and agricultural fields.

The College has a land 8.9 Hector which is entirely in plains. Out of this area, nearly 40% area is covered by college playground. About 10% of the college campus is water body. A perennial stream, sourcing from the adjacent hills of the college campus, flows along the southern boundary of the campus. Besides, there is a pond right inside the campus which harbours many plant species and

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5. Disabled-friendly, barrier free environment



The college main entrance and exit to the administrative block, and other buildings around the campus, has ramps to assist the disabled and wheelchair users. These are installed keeping in mind non-discrimination against those with disabilities and to enable them easy mobility, and empower their self esteem and independent functioning. The staff members are always present to help the specially-abled people, both students and visitors.

