



Estd. 1954

প্ৰাগজ্যোতিষ মহাবিদ্যালয়

PRAGJYOTISH COLLEGE

Accredited by NAAC since 2004 (3rd Cycle); Recognised under sections 2(f) and 12(B) of UGC
Affiliated to Gauhati University; ISO 9001:2015 Certified; SDG Accord Certified

Self Study Report (SSR)

2018-2023

4.1.1

Infrastructure and Physical facilities for teaching-learning viz. Classrooms, laboratories, computing equipments, ICT enabled facilities such as Smart Class, LMS, Facilities for cultural and sports activities, yoga centre, games (indoor and outdoor), gymnasium, auditorium, etc.

Submitted to



THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

**CLASSROOMS &
SEMINAR/CONFERENCE
HALLS**



LCD ENABLED CLASSROOM



SMART CLASSROOM



SMART CLASSROOM



ICT ENABLED CLASSROOM



GENERAL CLASSROOM



GENERAL CLASSROOM



CONFERENCE HALL



CONFERENCE HALL



SEMINAR HALL



SEMINAR HALL



SEMINAR HALL



SEMINAR HALL

**LABORATORIES &
INSTRUMENTS**

Table 1: Laboratories

Sl no	Department	No of lab
1.	Anthropology	1 (classroom cum laboratory)
2.	Botany	3
3.	Chemistry	5
4.	Computer science	1
5.	E-Commerce	1
6.	Economics	1
7.	Education	1
8.	Geography	1
9.	Geology	2
10.	Language Lab	1
11.	Mathematics	1
12.	Physics	3
13.	Statistics	1
14.	Tourism Management	1
15.	Zoology	2
Total		25



GENERAL LABORATORY (CHEMISTRY DEPARTMENT)



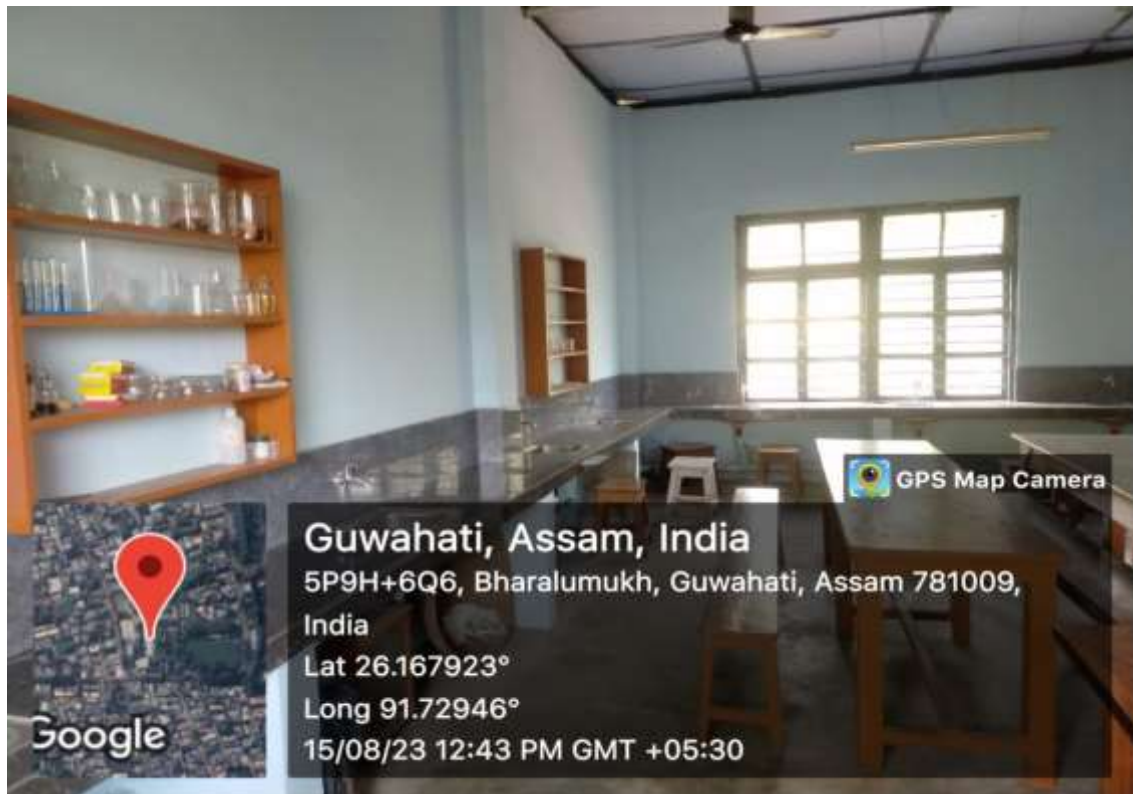
GENERAL LABORATORY (CHEMISTRY DEPARTMENT)



ADVANCED RESEARCH LABORATORY (CHEMISTRY DEPARTMENT)



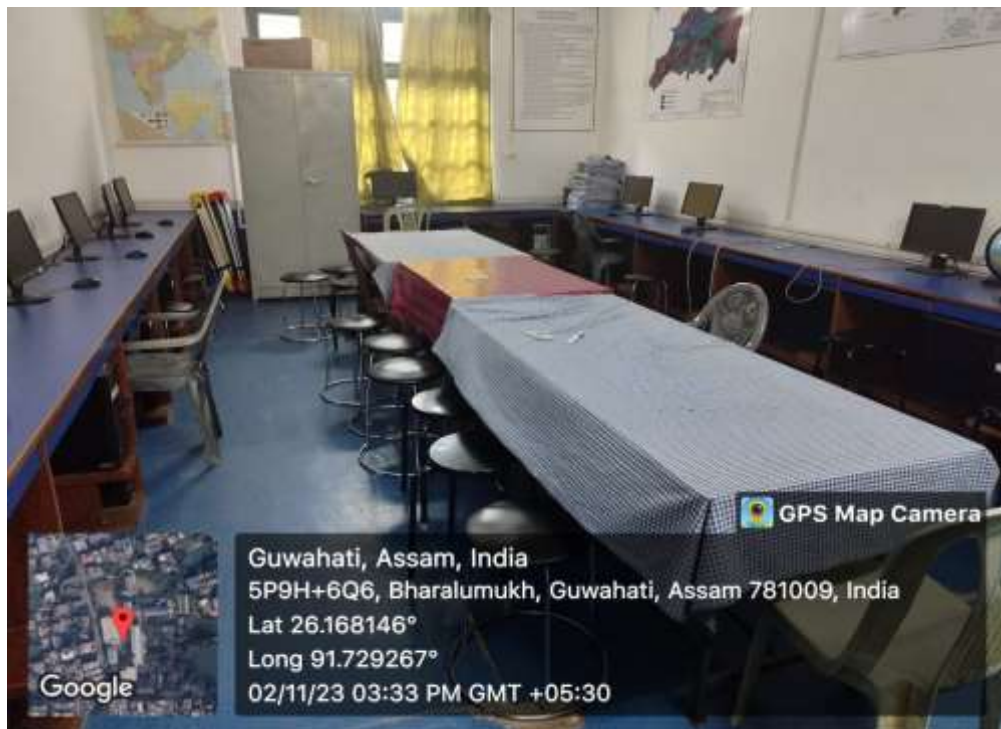
UV-VISIBLE SPECTROPHOTOMETER (CHEMISTRY DEPARTMENT)



GENERAL LABORATORY (BOTANY DEPARTMENT)



TISSUE CULTURE LAB (BOTANY DEPARTMENT)



GIS LABORATORY (GEOGRAPHY DEPARTMENT)



GENERAL LABORATORY (PHYSICS DEPARTMENT)

Table 2: Laboratory Instruments

SI No	Departments	Name of instruments
1.	Anthropology	Anthropometer, Osteometric Board, Sliding Caliper, Spreading Calieper, Steel Tape, Stethoscope, Weighing machine, Craniophore, Goniometer, Dermatoglyphics slab, Roller, Sphygmomanometer (manual & digital)S
2.	Botany	p ^H meter, rain gauge, anemometer, soil thermometer, Incubator, Hot Air Oven, BOD-Incubator, Autoclave, Colorimeter, Electrophoresis tools, Electric weighing balance, Microscope (simple and compound), Lux meter, Haemocytometer, Camera Lucida(Prism & Mirror type), Digital Anemometer, Psychomotor, Stereo Microscope
3.	Chemistry	p ^H meter, Incubator, Hot Air Oven, Autoclave, Colorimeter, Electronic weighing balance, Conductivity meter, Muffle furnace, Rota-vapor, UV-VIS spectrophotometer, Distillation unit, TDS meter
4.	Economics	Computer
5.	Education	Punch board, Memory drum, Mirror drawing apparatus, Tachistoscope, Vernier chromoscope
6.	Geology	Petrological microscope, ORE microscope
7.	Geography	Computers (GIS LAB)
8.	Physics	Mullikan's oil drop, Polarimeter, B-H curve, Magnetic susceptibility, CRO, Four probe method, Spectrometer, Ion chromatography, Hall effect, Computer
9.	Statistics	Computer
10.	Zoology	Stereo microscope, Gel-doc, Laminar Air Flow, Spectrophotometer, Colorimeter, p ^H meter, Incubator, Hot plate, water bath, Microtome, Thermal cyler, Centrifuge, Autoclave, -20 deep freezer, Light microscope, Vortex, Electrophoresis unit

LABORATORY INSTRUMENTS



DIGITAL MUFFLE FURNACE (CHEMISTRY DEPARTMENT)



LAMINAR AIRFLOW (ZOOLOGY DEPARTMENT)



MICROSCOPES (ZOOLOGY DEPARTMENT)



INCUBATOR (BOTANY DEPARTMENT)



AUTOCLAVE (BOTANY DEPARTMENT)



LANGUAGE LAB(ENGLISH DEPARTMENT)

COMPUTER FACILITIES

Table 3: Computer lab

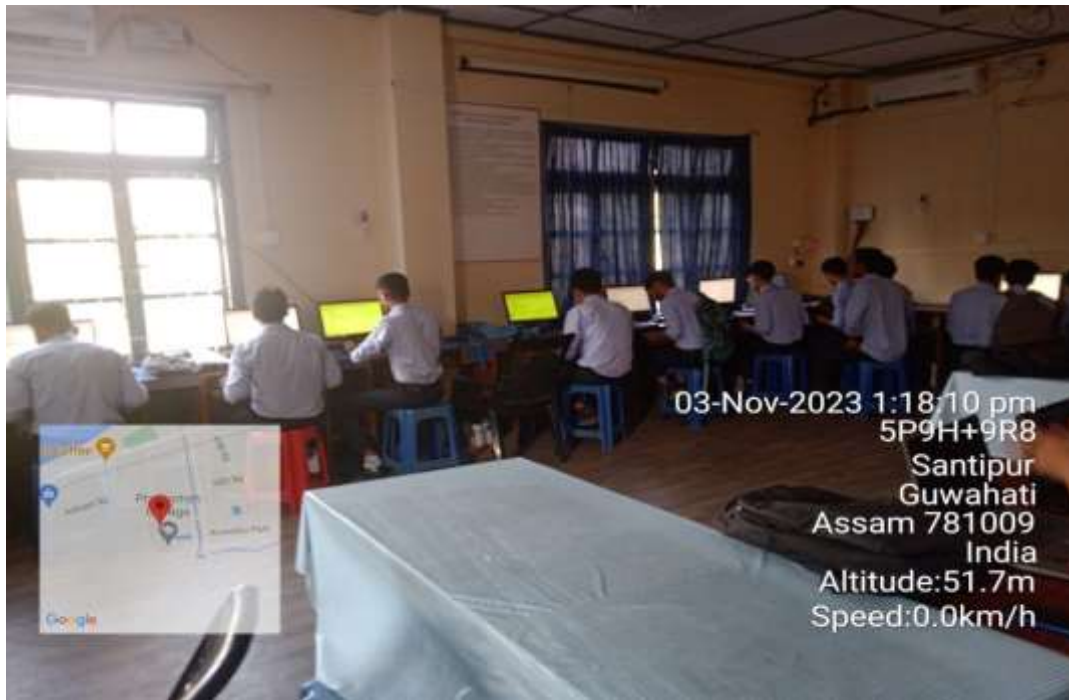
Sl no	Department	No. of computers
1.	Computer Science	25
2.	E-commerce & IT	11
3.	Geography	10
4.	Language lab	16
5.	Mathematics	10
6.	Physics	11
7.	Statistics	7
8.	Tourism management	5
TOTAL		95



COMPUTER LABORATORY (MATHEMATICS & STATISTICS DEPARTMENT)



COMPUTER LABORATORY (PHYSICS DEPARTMENT)



COMPUTER LABORATORY (COMPUTER SCIENCE DEPARTMENT)



E-Corner (Central Library)

LIBRARY



CENTRAL LIBRARY

Table 4: Departmental library details

Sl no.	Department	No. of Books	Journals & Magazine
1.	ANTHROPOLOGY	500	-
2.	ASSAMESE	650	-
3.	BENGALI	278	-
4.	BODO	90	-
5.	BOTANY	590	-
6.	BUSINES ADMINISTRATION	70	-
7.	CHEMISTRY	387	12
8.	COMPUTER SCIENCE (BCA)	100	-
9.	COMMERCE	350	-
10.	ECONOMICS	503	35
11.	EDUCATION	333	-
12.	ENGLISH	305	70
13.	GEOGRAPHY	520	-
14.	GEOLOGY	63	05
15.	HINDI	777	-
16.	HISTORY	364	35
17.	MATHEMATICS	347	-
18.	PHILOSOPHY	350	20
19.	PHYSICS	200	-
20.	POLITICAL SCIENCE	371	-
21.	SANSKRIT	300	50
22.	STATISTICS	240	13
23.	ZOOLOGY	540	26
Total		8228	266

DEPARTMENTAL LIBRARIES



S. No.	Name of Book	Subject Code	Semester	Name of the Student	Signature of Applicant	Signature of Teacher	Date of Return	Receiving Teacher	Remarks
58	Plant Anatomy & Embryology (24.04)	26.06.2023	3 rd Sem	Dhruv Deka	[Signature]	[Signature]	03/05/23	[Signature]	
59	Plant Physiology (25.24)	26.06.2023	3 rd Sem	Adarsh Akhri	[Signature]	[Signature]	03/05/23	[Signature]	
60	Plant Anatomy (26.12)	26.06.2023	3 rd Sem	Sunil Basmantary	[Signature]	[Signature]	03/05/23	[Signature]	
61	Plant Anatomy & Cytology (24.08)	26.06.2023	3 rd Sem	Apollon Deka	[Signature]	[Signature]	03/05/23	[Signature]	
62	Essentials of Genetics	24.12.2023	3 rd Sem	Sunil Basmantary	[Signature]	[Signature]	09/01/23	[Signature]	
63	Genetics in Botany (2.7)	31/01/2023	3 rd Sem	Arjun Barua	[Signature]	[Signature]	02/03/2023	[Signature]	
64	Studies in Botany (1.1)	07.03.23	3 rd Sem	Sunil Basmantary	[Signature]	[Signature]	24/04/2023	[Signature]	
65	Cytology Genetic Variation and Plant Breeding (24.04)	26.06.2023	3 rd Sem	John Paul Deka	[Signature]	[Signature]	Return on 24/04/23	[Signature]	
66	Genetic Botany (27.0)	23.09.23	"	Srujan Choudhury	[Signature]	[Signature]	23/09/23	[Signature]	
67	Plant Anatomy and Embryology (26.12)	26.06.23	"	Sunil Basmantary	[Signature]	[Signature]	03/05/2023	[Signature]	
68	Genetics in Botany (2.7)	02/01/23	3 rd Sem	Arjun Barua	[Signature]	[Signature]		[Signature]	
69	Cell Biology: Molecular Biology (24.0)	01/10/2023	3 rd Sem	Sunil Basmantary	[Signature]	[Signature]	10/10/2023	[Signature]	
70	Cell & Molecular Biology (14.0)	01/10/2023	"	Thyba Akhri	[Signature]	[Signature]	16/11/2023	[Signature]	

DEPARTMENTAL LIBRARY AND LIBRARY ISSUE BOOK (CHEMISTRY DEPARTMENT)



Sl. NO	Name of the Book	Author's Name	Price	Remark
1	Indian Philosophy Volume-I	S. Radhakrishnan	Rs. 395.00	
2	Indian Philosophy Volume-II	S. Radhakrishnan	Rs. 395.00	
3	The Great Philosophers	Brian Magee	Rs. 395.00	
4	Introduction to Logic	J. M. Copi and Carl Cohen	Rs. 595.00	
5	Spokes of the Wheel	Arvind Sharma		
6	An Introduction to Logic And Scientific Method	Maria R. Cohen and E. Nagel	Rs. 55.00	
7	Text Book of Logic	A. Wolf	Rs.	
8	History of Modern Philosophy	Ricard Faltensberg	Rs. 60.00	
9	Introduction to Higher Secondary Logic & Philosophy	Dr. C. K. Sharma	Rs. 45.00	
10	Philosophy of Mind	Jestona A. Shakti	Rs. 29.00	
11	বিশ্ব জ্ঞান	ডঃ নন্দীশঙ্কর	Rs. 50.00	
12	লজিক বাস্তবতাক্ষেত্রে	ডঃ গুণ্ডাচাঁদ	Rs. 60.00	
13	লজিক বাস্তবতাক্ষেত্রে	ডঃ গুণ্ডাচাঁদ	Rs. 60.00	
14	লজিক বাস্তবতাক্ষেত্রে	ডঃ গুণ্ডাচাঁদ	Rs. 60.00	

DEPARTMENTAL LIBRARY AND LIBRARY ISSUE BOOK (PHILOSOPHY DEPARTMENT)



Book Name	Date and Time of Issue	Date and Time of Estimation	Call No. Number
Differential Calculus S. Chandra	21/01/2021 1:25 PM	21/01/2021 3:10 PM	501.01.01.001
Advanced trigonometry or mensuration by Singh	21/01/2021 1:40 PM		501.01.01.002
A-For-Use of Authors Dr. P. B. Mishra	21/01/2021 2:00 PM	21/01/2021 3:01 PM	501.01.01.003
Differential Equations Bavinda Kum 202013	21/01/2021 1:20 PM	20/01/2021 1:00 PM	501.01.01.004
Integral Calculus S. C. Sen	21/01/2021 1:25 PM		501.01.01.005
Real Analysis Rudin	21/01/2021 1:25 PM	20/01/2021 1:00 PM	501.01.01.006
Ordinary & Partial Differential Eq. by P.D. Raghavans	19/02/2021 11:00 AM	21/02/2021 11:00 AM	501.01.01.007

DEPARTMENTAL LIBRARY AND LIBRARY ISSUE BOOK (MATHEMATICS DEPARTMENT)



S. No.	Name of Book	Issue Date	Session	Name of the Reader	Signature of Librarian	Signature of Reader	Date of Issue	Receiving Member	Remarks
58.	Plant Anatomy & Embryology (24.05)	20.08.2022	3 rd Sem	Divy Dishi	[Signature]	[Signature]	20/08/22	[Signature]	
59.	Plant Morphology (25.05)	20.08.2022	3 rd Sem	Safal Meni	[Signature]	[Signature]	02/09/22	[Signature]	
60.	Plant Anatomy (26.10)	20.08.2022	3 rd Sem	Suree Bannamangy	[Signature]	[Signature]	02/09/22	[Signature]	
61.	Plant Anatomy & Embryology (28.05)	20.08.2022	3 rd Sem	Yashwanth Laksh	[Signature]	[Signature]	02/09/22	[Signature]	
62.	Embryology of Spermatophytes (2.7)	20.08.2022	3 rd Sem	Suree Bannamangy	[Signature]	[Signature]	02/09/22	[Signature]	
63.	Embryology of Spermatophytes (2.7)	21/08/22	3 rd Sem	Divy Dishi	[Signature]	[Signature]	18/09/2022	[Signature]	
64.	Studies in Embryology (1.1)	07.09.22	3 rd Sem	Suree Bannamangy	[Signature]	[Signature]	24/09/2022	[Signature]	
65.	Cytology, Growth and Development of Plant (27.05)	14.09.22	2 nd Sem	Jagan Prasad	[Signature]	[Signature]	08/10/2022	[Signature]	
66.	Essence of Botany (23.05)	22.09.22		Arjun Chaudhary	[Signature]	[Signature]	05/10/22	[Signature]	
67.	Plant Anatomy and Embryology (20.05)	22.09.22		Suree Bannamangy	[Signature]	[Signature]	05/10/2022	[Signature]	
68.	The Reproductive System of Angiosperms (20.05)	24/09/22	5 th Sem	Saishan Reddy	[Signature]	[Signature]		[Signature]	
69.	Cell Biology, Genetics & Molecular Biology (20.05)	25/09/22	3 rd Sem	Suree Bannamangy	[Signature]	[Signature]	14/11/2022	[Signature]	
70.	Gen & Molecular Biology (20.05)	01/10/2022		Trishita Lakshmi	[Signature]	[Signature]	16/11/2022	[Signature]	

DEPARTMENTAL LIBRARY AND LIBRARY ISSUE BOOK (BOTANY DEPARTMENT)

DEPARTMENTAL MUSEUMS

Table 5: Museum and display of collections

SI No	Departments	Collections of specimens
1.	Anthropology	Dress and ornaments of different tribes, Hunting, Fising, agricultural implements, Prehistoric tolls, Bones of skeleton, Coins
2.	Assamese	Implements made of bamboo
3.	Botany	Plant specimens (Algae, Fungi, Bryophytes, Pteridophytes, Gymnosperms, Angiosperms), Cell models, Clay models of fruits, collection of different indigenous bamboo species, collection of different rice varities
4.	Geology	Fossils, Minerals (Economic & Rock forming), Rocks, Crystal models (wooden & glass), Lattice structure, Geomorphological models, Structural block models
5.	History	Canon ball, Sanchipat manuscript, coins of british periode, Record of land grant by Ahom king, Record of human trade, Implements of bamboo
6.	Zoology	Euglena, Amoeba, Paramecium, Protista, Sycon, Hyalonema, Euplectella, Spongilla, Obelia, Physalia, Millepora, Aurelia, Tubipora, Corallium, Alcyonium, Gorgonia, Metridium, Pennatula, Fungia, Meandrina, Madrepora, Ctenophore, Fasciola hepatica, Taenia solium, Ascaris lumbricoides, Aphrodite, Nereis, Heteronereis, Sabella, Serpula, Chaetopterus, Pheretima, Hirudinaria, Limulus, Palamnaeus, Palaemon, Daphnia, Balanus, Sacculina, Cancer, Eupagurus, Scolopendra, Julus, Bombyx, Periplaneta, Apis, Chiton, Dentalium, Pila, Unio, Loligo, Sepia, Octopus, Pentaceros, Ophiura, Echinus, Cucumaria, Antedon, Balanoglossus, Herdmania, Branchiostoma, Petromyzon, Sphyrna, Pristis, Torpedo, Labeo, Exocoetus, Anguilla, Ichthyophis/Ureotyphlus, Salamandra, Bufo, Hyla, Chelone, Hemidactylus, Chamaeleon, Draco, Vipera, Naja, Crocodylus, Any six common birds from different orders: Rose-ringed Parakeet, Coppersmith Barbet, House Sparrow, Indian House Crow, Sorex, Bat, Funambulus, Loris, Placoid, cycloid, and ctenoid scales, Disarticulated skeleton of Frog, Fowl, Rabbit, Carapace and plastron of turtle/tortoise, Mammalian skulls: One herbivorous and one carnivorous animal, Whole mounts of developmental stages of chick: Primitive streak (13 and 18 hours), 21, 24, 28, 33, 36, 48, 72, and 96 hours of incubation (Hamilton and Hamburger stages), Petromyzon, Myxine, Pristis, Chimaera, Exocoetus, Hippocampus, Gambusia, Labeo, Heteropneustes, Amphibians: Ichthyophis/Ureotyphlus, Necturus, Bufo, Hyla, Alytes, Salamandra, Reptiles: Chelone, Hemidactylus, Chamaeleon, Draco, Vipera, Naja, Crocodylus, Gavialis, Any six common birds from

		different orders: Rose-ringed Parakeet, Coppersmith Barbet, House Sparrow, Indian House Crow, Sorex, Bat, Funambulus.
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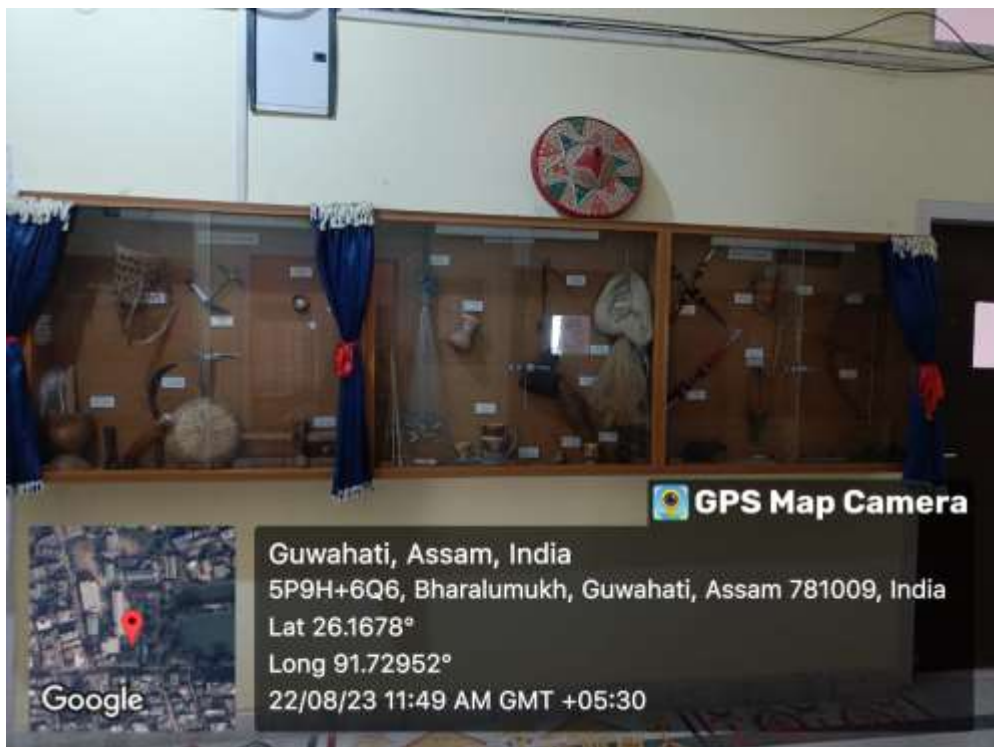
MUSEUM (ZOOLOGY DEPARTMENT)



MUSEUM (GEOLOGY DEPARTMENT)



MUSEUM (GEOLOGY DEPARTMENT)



MUSEUM (ANTHROPOLOGY DEPARTMENT)



MUSEUM (ANTHROPOLOGY DEPARTMENT)



MUSEUM (BOTANY DEPARTMENT)



MUSEUM (BOTANY DEPARTMENT)

SPORTS FACILITIES

Table 6: Games and Sports equipments in the ‘Sports repository’

Type of game	Name of the game	Equipments
Outdoor games	Basketball:	<i>Basketball</i>
		<i>Basketball Hoop</i>
	Cricket:	<i>Cricket Bat</i>
		<i>Cricket Ball</i>
		<i>Stumps</i>
		<i>Leg Guard and Thigh Pad</i>
		<i>Cricket Kit Bag</i>
		<i>Gloves</i>
	Discus throw	<i>Discus</i>
	Football	<i>Football</i>
		<i>Football Goalposts</i>
	High Jump	<i>High Jump Pole</i>
		<i>Landing Mat</i>
	Javelin throw	<i>Javelin</i>
	Shot Put	<i>Shot Put</i>
<i>Throwing Circle</i>		
Tug of War	<i>Tug of War Rope</i>	
Volleyball	<i>Volleyball</i>	

		<i>Volleyball Net</i>
Indoor	Badminton:	<i>Racket</i>
		<i>Shuttlecocks</i>
		<i>Badminton Net</i>
	Ludo	<i>Ludo board</i>
	Table Tennis:	<i>Table Tennis Paddle</i>
		<i>Table Tennis Ball</i>
		<i>Table Tennis Table</i>
		<i>Table Tennis Net</i>



COLLEGE CAMPUS PLAYGROUND



BASKETBALL COURT



OPEN COURTYARD



THIS MEMORANDUM OF UNDERSTANDING (MoU)

is made and entered into

on 06th day of March, 2019 by and between the

Sonaram Higher Secondary School, Bharalumukh, Guwahati - 781009

(FIRST PARTY)

and

Pragjyotish College, Santipur, Guwahati-781009

(SECOND PARTY)

This Memorandum of Understanding (MoU) is made between the Sonaram Higher Secondary School, Bharalumukh, Guwahati, and Pragjyotish College, Santipur Guwahati, agrees to cooperate on academic and non-academic programs based on the principle of equality and reciprocity, fairness and volunteerism, as well as honesty and faithfulness, and abide by the rules and regulations of the institutions.

This MoU aims at reaching upon mutual cooperation and promoting scholars, students, faculty and staff exchange, academic information and material sharing, development of sports, culture and values, and that Sonaram HS School and Pragjyotish College decide to establish formal communicative and cooperative relations, and mutually agree upon the following items :

The institutions agree to promote the following exchange, collaboration and sharing programs, based on their respective academic and non-academic needs -

- a. Student interaction and involvement, including cooperation and competitions.

- b. Faculty exchanges at par, visits, sharings and other collaborations
- c. Joint and collaborative trainings, workshops, seminars, conferences, symposia, forum and field visits.
- d. The students of Pragjyotish College will use the Playground of Sonaram Higher Secondary School for pursuing the sports activities. For this the college will have to pay attention for cleanliness of the field after using it
- e. Mutual cooperation in the fields of culture, music, literary pursuits, performing arts, sports & games
- f. Mutual cooperation for the use of infrastructure facilities in the field of culture, sports & games etc.
- g. Any other form of cooperation that may be agreed upon between Sonaram HS School and Pragjyotish College.

Both the parties agree to carry out the above mentioned activities in accordance with rules and regulations of respective institution. Any difference or dispute between the parties concerning the interpretation and / or application of any of the provisions of this Memorandum of Understanding shall be settled amicably through mutual consultation and / or negotiations between the parties. The related parties shall be responsible for the expenses for the faculty and the students about collaborative activities under these MOU themselves.

This Memorandum of Understanding will be for 10 years from the signing date/ year of MoU. This Memorandum of Understanding is prepared in two identical copies; each party will hold one original copy duly signed by the respective Principals. Signed on 06th March 2019 at Guwahati.

For and on behalf of the
Sonaram Higher Secondary School


Mrs. Manju Rani Barman
Principal
Principal
Sonaram Higher Secondary School
Guwahati-781009

For and on behalf of the
Pragjyotish College


Dr. Manoj Kr. Mahanta
Principal
Principal
Pragjyotish College
Guwahati-781009

MOU OF PRAGJYOTISH COLLEGE AND SONARAM HS SCHOOL

GYM & YOGA FACILITIES

Table 7: List of equipment in the Gymnasium hub

SI No	Equipment	Quantity
1.	Cross cable machine	1 nos
2.	Dumbbell	10 pair
3.	Multi Station machine	1 nos
4.	Treadmill	3 nos
5.	Twisting machine	1 nos
6.	Weight machine	1 nos
7.	Weight plates	80 kg



GYMNASIUM HUB



GYMNASIUM HUB



STUDENTS AND TEACHERS PERFORMING YOGA ASANA INSIDE THE COLLEGE AUDITORIUM

Table 8: Musical instrument collections in the cultural library

Sl no	Instruments
1.	Datora
2.	Ektara
3.	Electric Tanpura
4.	Flute
5.	Ghungroo
6.	Gogona
7.	Harmonium
8.	Khol
9.	Khutitaal
10.	Manjira
11.	Nagara
12.	Pepa
13.	Tabla
14.	Taka



CULTURAL ACTIVITIES INSIDE THE COLLEGE AUDITORIUM



MUSICAL INSTRUMENTS OF PERFORMING ARTS



TEACHERS' COMMON ROOM



GIRLS' COMMON ROOM



BOYS' COMMON ROOM



TOILET FOR LGBTQIA+



GUEST ROOM



TACTILE PATH FOR DIFFERENTLY ABLED PERSONS



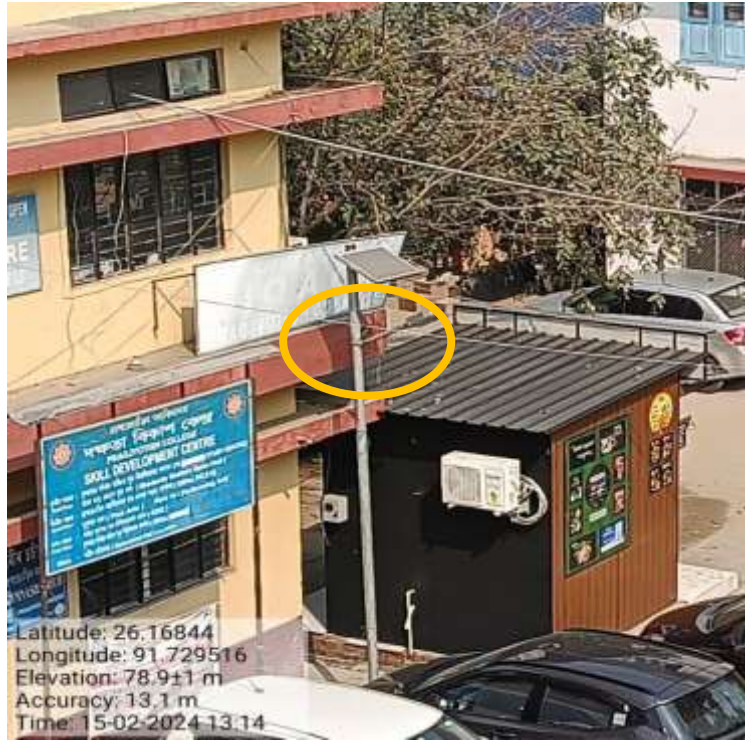
SICK ROOM



DAY CARE CENTRE



GENERATOR



SOLAR PANEL



SUPPORTS FOR STUDENTS WITH DISABILITIES



COLLEGE CANTEEN



CAFETERIA



DRINKING WATER FACILITY



RAIN WATER HARVESTING FACILITY



FOUR WHEELER VEHICLE PARKING



BICYCLE STAND



FLOWER GARDEN



COLLEGE POND



AIR QUALITY MONITORING STATION



VERMICOMPOST UNIT



GIRLS' HOSTEL