



## Message from HoD

Mathematics is the cornerstone of knowledge growth for applying the subject in daily life as well as for addressing problems in science and research. In 1969, the Department of Mathematics of Gargaon College was established. Our major course started in 1985. Our objective is to generate mathematicians who are skilled in solving mathematical and real-world problems and who are familiar with modern mathematical software and tools.

### Faculty Members



Dr. Kabita Phukon (Ph.D, M.Phil)  
Head of the Department (HoD)



Mr. Harekrishna Mili (NET)  
Assistant Professor



Miss Sujata Goala (M.Phil, NET)  
Assistant Professor

### Courses Offered

- Undergraduates :  
    B.A./B.Sc. in Mathematics
- Intake Capacity : 65  
    (B.Sc. 50+B.A.15)
- Add-on Course :
- Introduction to various Branches of Mathematics  
    (C.C: Mr. Harekrishna Mili).
- Introduction to MATLAB  
    (C.C: Ms. Sujata Goala).

Teacher-Student Ratio 1:20



## NEWS BULLETIN-2019-24 MATHEMATICS DEPARTMENT GARGAON COLLEGE

### Message from The Principal

I am delighted to acknowledge the Department of Mathematics' unwavering commitment to upholding our college's mission and vision. Through their tireless efforts, they have exemplified academic excellence, nurtured students' creativity, and contributed meaningfully to community welfare through impactful extension activities.

I extend my sincerest appreciation to the department for their dedication and successful implementation of these initiatives, showcased in this newsletter.

Dr. Sabyasachi Mahanta  
Principal

### ABOUT THE DEPARTMENT

The Department of Mathematics was established in the year 1969. The Department offers undergraduate B. A./ B. Sc. in Mathematics. The department has a strength of 3 experienced faculty members (Members with Ph.D. 1, M. Phil 2, Pursuing Ph.D. 1). The department has an association named as Gargaon College Mathematical Society.

### MISSION

1. Teaching and Learning Mathematics through the right way.
2. To Organize seminars/ workshops/ conferences/ Popular talks/ career counseling etc. for overall development of the students
3. Strict adherence to mentor-mentee for upliftment of students.

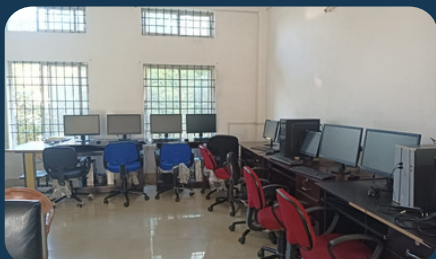
### VISION

1. To upgrade the department to Post Graduate and Doctoral programmes.
2. Provides a transformative education to create leaders and innovators and generates new knowledge for society.

## Infrastructural Facilities



All classrooms are ICT enable.



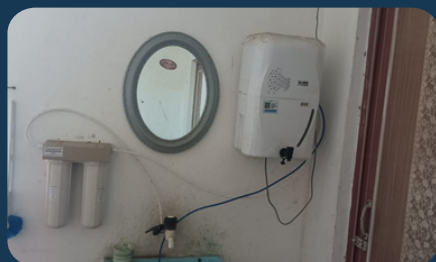
### Computer Laboratory

- Number of Computers: 17
- Number of Laptops: 03



### Departmental Library

- Number of Books: 216
- Number of Book Shelves: 04
- Number of Almirah: 04



Water Purifier donated by Alumni

## Department Digital Facilities



WhatsApp Groups



Google Classroom



E -Shiksha



Departmental  
Youtube Channel

## Department Activities

Date	Topic	Resource Person Name
17/8/2019	Popular Talk on some Fundamental of Mathematics	Prof. Surajit Borkotokey, Dibrugarh University
11/9/2020	A webinar on The fascinating world of Mathematics and Scope of Employment	Prof. Gopal Chandra Hazarika, Dibrugarh University
6/4/2022	Life Skill Programme	Prof. Pranjal Buragohain, Dibrugarh University
19/08/2022	World Photography Day	Dr. Dimbeshwar Das, Gargaon college
2/12/2022	World Computer Literacy Day	Mr. Pankaj Dutta, Gargaon College
4/02/2023	World Cancer Day Street Play	Students of the Department of Mathematics, Gargaon College.
20/03/2023	Film Screening on the occasion of International Day of Happiness	Organized by Department of Economics and Mathematics
29/04/2023	Life Skill Program	Dr. Surajit Saikia, Gargaon College.
07/03/2024	Workshope on Handing Mathematical Equation in Power Point	Miss Sujata Goala
23/03/2024	Workshop on Interviews and resume Preparation.	Mr. Mohit Sekhawat
27/03/2024	Easy tricks with vedic Mathematics	Mr. Partha Pratim Gogoi
29/03/2024	How to write a Research Project	Dr. Surajit Saikia, Gargaon College.

**Day Observed: National Mathematics Day**

22/12/2021	Talk on Popularizing Mathematics Dr. Polash Dutta, Dibrugarh University
22/12/2022	Extension activity at Simaluguri H.S. School.
22/12/2023	Extension Activity at Ligeripukhuri H.S. School

**International Mathematics Day**

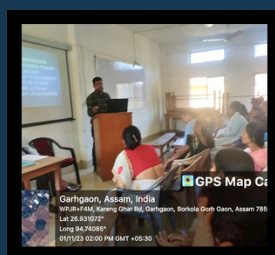
14/03/2023	Carrier Counselling Gargaon college in Collaboration with Nazira College	Mr. Jiten Phukon and Mrs. Sujata Borthakur.
14/03/2024	Webinar on "Playing with Mathematics"	Dr. Soumendra Goala an Alumnus, Batch 2008-2011

## Best Practices of the Department

- Consciousness towards the environment
- Active Community Participation.
- Active Participation of Parent Teacher Association.
- Departmental Scholarship to the meritorious student.

### Mentorship

Mentor Mentee system is functioning in the department through group discussion, seminar, class test and individual counselling and by conducting PTM, maintaining mentorship diary every year. The teachers assess the simultaneous performance of the students in academic and extra curricular activities.



### Former Faculty Members



**Dilip Buragohain**  
(1970-2004)

**Mukul Bezborra**  
(1974-2007)



**Sunil Chetia**  
(1978-2016)



**Milon Bhuyan**  
(1987-2020)



## Student's Placement

### Total No. of student placement from 2019-2024

Name	Designation	Joining Year
Bhagyashree Gogoi	Assam Police, SI	2021
Sujata Goala	Assistant Professor	2021
Bibekananda Deoghariya	Technician level 1	2021
Tonmoy Chetia	Accountant, Oil India	2022
Jimi Gogoi	Teacher, DEE(Assam)	2022
Bablu Gogoi	APRO and FES	2022
Anjelika Phukon	Teacher, DEE(Assam)	2022
Udit Pawan Mahanta	Teacher, DSE(Assam)	2022
Swapnil Gogoi	SSB	2022
Debashih Mohan	Assam Police	2022
Punaram Buragohain	Oil India Limited	2022
Kakoli Gogoi	Retail Partner	2022
Jahnobi Phukon	Post office	2022
Chinaku Gogoi	PNRD Department	2023
Rimpee Gogoi	Manual Assistant at Legal Metrology	2023
Jitu Mahanta	Office of the superintendent, Handloom and textile.	2023
Nandan Pratim Gogoi	Junior Inspector Cooperative Societies	2023
Bidyut Mohan	Mandal, DC office, Gulaghat	2023
Subhabrat Nayak	Pion, Office of the DC, Jorhat.	2023
Manikha Sonowal	ABPM of ....branch post office.	2023
Kalyan Jyoti Mohan	Teacher, Sepon High School	2023
Bishmita Hazarika	Junior Assistant DTO, Sivasagar.	2023
Partha Protim Gogoi	Office of the DC, Sivasagar	2023
Poresh Dowarah	Teacher, Janjimukh Janajati High School	2023
Tonmoy Gogoi	Water Resources Department	2023
Sanjukta Baruah	Janji Higher Secondary School	2023



## Teachers' Activity

### Dr. Kabita Phukon

- Number Seminar Presented: 06
- Seminar /Workshop Attended: 13
- No. of Refresher Course : 03
- No. of FDP / Orientation Attended: 08
- Publication in Journal:

Effect of variable viscosity and thermal conductivity on Unsteady Free Convection Flow past an Impulsively Started Infinite Vertical Plate with Newtonian Heating in the Presence of Thermal Radiation and Mass Diffusion, Mathematical Forum (0972-9852) 2020, Volume-28, pp-191-212.

- Chapters in Edited Book :03
- No of Edited Book: 01
- Activity as resource person:

Conducting Olympiad Training Program at Nazira College (13.08.23), Godapani High school (29/07/2023) , Hahchra H.S.School (6/08/2023 to 13/08/2023) Parijat Jatiya Bidyapith school (5.7.2024),Simaluguri High School (20.7.2024)

### Mr. Harekrishna Mili

- Number Seminar Presented: 03
- Seminar/Workshop Attended: 03
- No. of Refresher Course : 02
- No. of FDP: 10
- Orientation Attended: 01
- Chapters in Edited Book :03
- No of Edited Book: 01

Activity as resource person: Talk on “Benefits of Cycling- An Economic, Environmental and Social Assessment”, World Bicycle Day, 2023.

Name	Designation	Joining Year
Gayatri Sensua	Junior Assistant	2023
Trishna Arondhora	Junior Assistant	2023
Binud Gogoi	Junior Assistant	2023
Janshi Borah	Railway Office (SSE/PW/W/SLGR) Scct	2023
Nilutpal Rajkonwar	Cultural Development Officer	2024
Minakshi Mahatu	Supervisor women and child development.	2024
Mr. Jiten Borgohain	Assistant Professor AEC, Jorhat.	2024

### Students to Higher Studies

Name Student	Institution Joined	Year of graduation
Ankur Gogoi	Tezpur University	2019-20
Girimallika Boruah	Jorhat Institute of Science and Technology	2019-20
Bidyut Saikia	Jorhat Institute of Science and Technology	2019-20
Ritwick Duwarah	Sikkim University	2019-20
Gayatri Sensua	Jorhat Institute of Science and Technology	2019-20
Junmoni Gogoi	DHSK college under Assam Science and Technology University	2019-20
Pragya Phukon	Gauhati University	2020-21
Rituraj khanikar	Dibrugarh Hanumanbax Surajmall Kanoi College	2020-21
Zakir Ali	Gauhati University	2020-21
Partha Pratim Gogoi	DHSK college under Assam Science and Technology University	2020-21
Subhrangshudeep Chetia	Assam Science and Technology University	2020-21
Biplab Phukon	Jagannath Barooah College	2020-21



Miss Sujata Goala

- Number Seminar Presented: 03
- Seminar Attended : 12
- Workshop Attended : 06
- No. of Refresher Course : 02
- No. of FDP : 03
- Chapters in Edited Book : 05
- Activity as resource person:

Talk on “Making TLM of Mathematics Using Waste Materials” at Kenduguri High School. (27.02.2024)

Departmental Extension Activity  
Under Gyan Yatra

### Objectives

- Promoting community engagement and social responsibility.
- To organized practice classes by the undergraduate students for the school students.
- To exchange information pertaining to teaching, learning resource etc.
- To provide career guidance to the students.

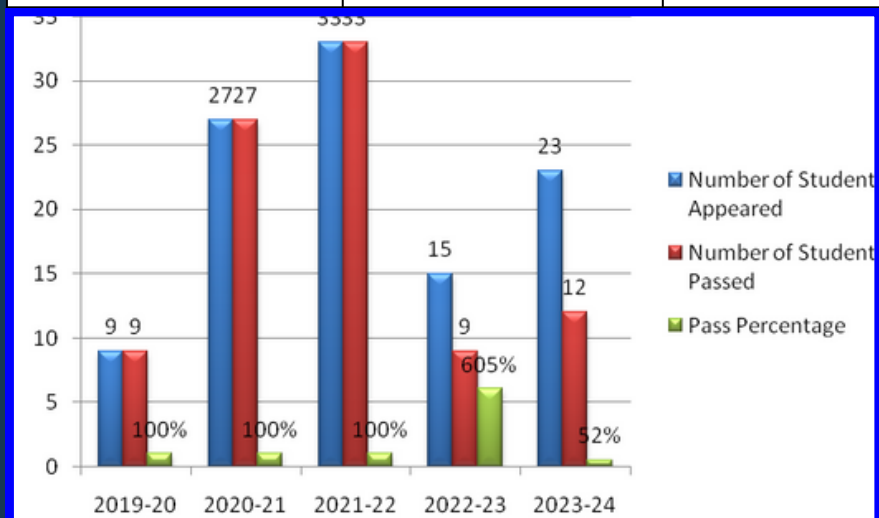
Ligiri Pukhuri High School, 29th  
August to 8th September, 2024

Nazira Bortola Higher Secondary  
School, 25th to 27th May, 2023

Ligiri Pukhuri High School, 8th May to  
10th May, 2024

### Students to Higher Studies

Name Student	Institution Joined	Year of graduation
Partha Pratim Chetia	Arya Vidyapeeth College	2020-21
Nilutpal Rajkonwar	Dibrugarh University	2019-20
Anamika Borah	Dibrugarh University	2019-20
Monalisha Chitrakar	Cotton University	2018-19
Ananya Konwar	Dibrugarh University	2021-22
Bijay Beria	Dibrugarh University	2022-23
Bristi Borah	Dibrugarh University	2022-23
Debasish Rajkatoky	Shri Mata Vaishno Devi University, Jammu.	2022-23
Ujjwal Lahon	Dibrugarh University	2023-24
Rubul Marar	Dibrugarh University	2023-24
Bitupon Mohan	Sivasagar University	2023-24
Ankuman Khanikor	Dibrugarh University	2023-24
Tinamoni Panging	NIT, Tiruchirappalli	2023-24
Jajasmita Handique	Guwahati University	2023-24



Bar Diagram for result analysis

## STUDENT STRENGTH DURING 2019-2024

YEAR	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024	
GENDER	M	F	M	F	M	F	M	F	M	F
SEM I	9	7	23	4	36	17	23	7	10	6
SEM III	29	6	9	7	17	4	25	13	11	6
SEM IV	15	7	29	6	9	7	17	4	16	6
TOTAL	53	20	61	17	62	28	65	24	37	18
	73		78		90		89		55	

## COLLABORATIVE ACTIVITIES UNDER MOU

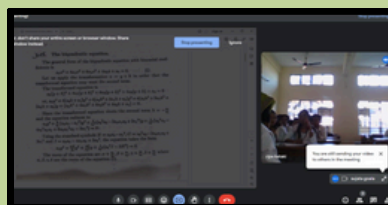
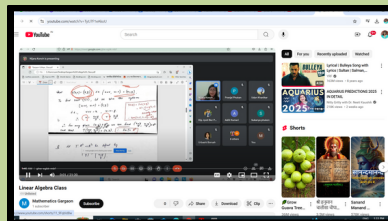
### ACTIVITY WITH NAZIRA COLLEGE



### EXTENSION ACTIVITY BY STUDENTS



### FACULTY EXCHANGE WITH B. BOUARH COLLEGE



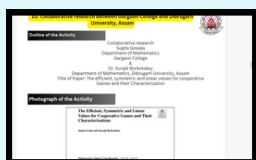
### LIFE SKILL PROGRAMME



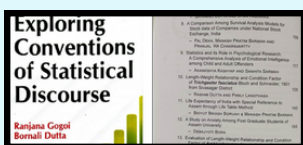
## ACADEMIC COLLABORATIVE WORK

## PHOTOGRAPHS OF ACTIVITIES UNDER MOU

### Dibrugarh University



### Moran College



Institution	Activity	Date/Year
<b>NAZIRA COLLEGE</b>	<ul style="list-style-type: none"> <li>Faculty exchange</li> <li>International Mathematics day Observe</li> <li>Mathematics Olympiad Training Program Conducted.</li> </ul>	2022,2023
<b>B.BOROOAH COLLEGE</b>	Faculty exchange (Online Class Taken)	2021,2022
<b>MORAN COLLEGE</b>	Collaborative Research work	2023
<b>DIBRUGARH UNIVERSITY</b>	<ul style="list-style-type: none"> <li>Collaborative Research work,</li> <li>Faculty exchange</li> <li>National Mathematics Day Observed.</li> </ul>	2022
<b>LIGIRIPUKHURI HIGH SCHOOL</b>	Adopting the school and conducting classes by students and alumni. ( Gyanyatra)	2023,2024
<b>NAZIRA BORTALA HIGHER SECONDARY SCHOOL</b>	<ul style="list-style-type: none"> <li>Adopting the school</li> <li>Conducted classes by faculty members and students.(Ext. Activity)</li> </ul>	2023,2024



## Alumni Association

The alumni association of the department has conducted different academic extension activities, imparts classes to the Major students of the department as well as took part in the camp of Mathematics Olympiad organized by the Assam academy of Mathematics, Nazira Branch. An Aqua guard and a sound system are also donated by notable alumni of the department.

### ENGAGEMENT OF ALUMNI

Talk Delivered by-

1. Zakir Ali (2018-2021)
2. Dr. Soumendra Goala (2009-2012)
3. Ritwick Dowarah (2017-2020)

### Parent Teacher Association(PTA)

An active PTA continuously support and help the teacher in the upliftment of the students. in every possible aspects. During this period the PTA of the department of mathematics organized a life skill programme for the development of the students mental health in 2022, ICT class room has also been implemented by the Parent Teacher Association. We organize PTA in every semester. We also observe special days in collaboration with the Parent Teacher Association.



Visit: Queen's Management School, Queen's University, Belfast, Northern Ireland, United Kingdom

Objective: To research on the project entitled "Strategic Network and Computation".

Reference: Project number IND/CONT/G/22-23/A1 (G/21-22/50)

Period: September 2022 to December 2022.

Work submitted in this project: "The expected Shapley value on the class of probabilistic game"



Photographs taken During Alumni Meeting



Photographs of donations

**Sound system donated by:** Dr. Kabita Phukon(HOD), Miss Sujata Goala (Assitant Professor), Department of Mathematics Gargaon College.

**Aquaguard Denoted by:** Mrs Milon Bhuyan(Teacher Alumna), Department of Mathematics Gargaon College.



Photographs of PTA Meeting

## Students Enrolled in NCC/NSS

Hemanta Baruah  
Hritwick Raj Phukon  
Dip Jyoti Borpatra Gohain  
Rupam Handique



## Students Academic Achievements



Chittaranjan Gogoi  
Qualify JAM-2021



Zakir Ali  
Qualify JAM-2021

## Result of the Students: Rank Holders



Tinamoni Panging  
3rd Rank  
(2024)



Debashih Rajkotoky  
19th Rank  
(2023) Qualify JAM-2023



Ujjawal Lahon  
33th Rank  
(2024)



Bitupon Mohan  
10th Rank  
(2023)



Bijoy Beria  
4th Rank  
(2023)



Bristi Borah  
33th Rank  
(2023)



Ankuman Khonikar  
28th Rank  
(2023)



Rubul Marar  
29th Rank  
(2023)



Luhit Gogoi  
46th Rank  
(2023)



Ananya Konwar  
1st Rank  
(2022)



Miss Manshi Paul  
21th Rank  
(2022)



Miss Reempi Ggogoi  
(2022)  
40th Rank



Miss Sanjukta Baruah  
(2022)  
50th Rank



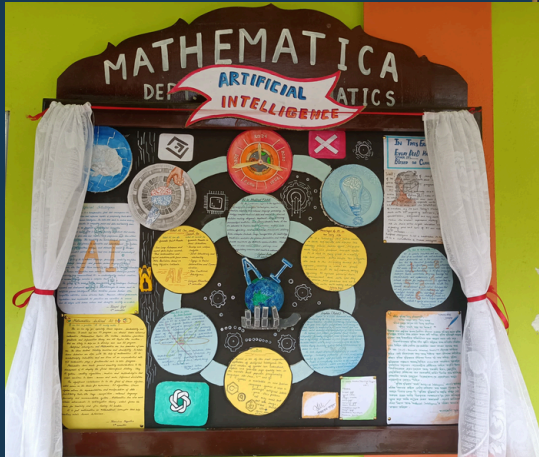
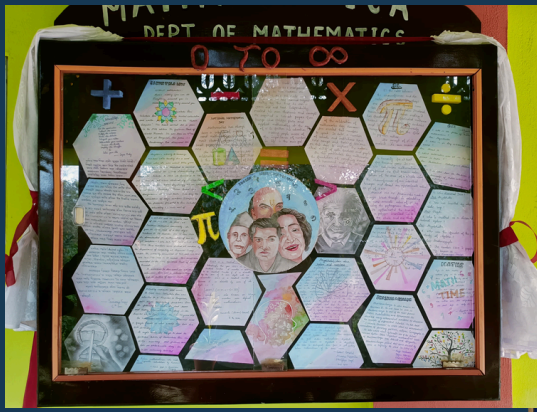
Ankur Gogoi  
14th Rank  
(2020)



Kundan Haikakoti  
15th Rank  
(2020)



## Sample photographs of Wall Magazine



## Activity Related to Indian Knowledge System



DEPARTMENT OF  
MATHEMATICS  
DATE-27TH MARCH, 2024  
WORKSHOP ON  
INDIAN KNOWLEDGE SYSTEM

EASY TRICKS WITH  
VEDIC  
MATHEMATICS



## Work shop on

“Easy Tricks with Vedic  
Mathematics”

27/03/2024(Offline)

Resource Person: Mr. Parthe Pratim  
Gogoi (Alumni)

## Students Achievements in Sports, Culture



Soloni Bordoloi  
4th Semester  
3rd Prize in Rangoli



Himashree Hazarika  
4th Semester  
3rd Prize in Rangoli



Dimpal Gogoi  
6th Semester  
2nd Prize in Shot Put



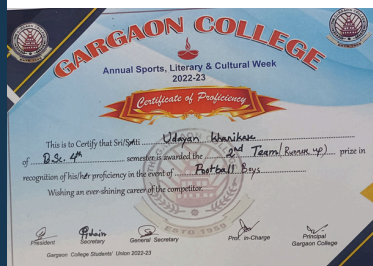
Manab Jyoti Phukon  
4th Semester  
Judge Special Award in Flute



Himadri Mohan  
4th Semester  
1st Prize in Gogona Badon



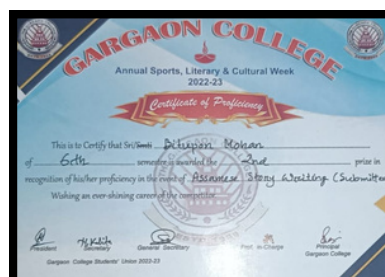
Udayan Khanikar  
2nd Prize  
Article Writing



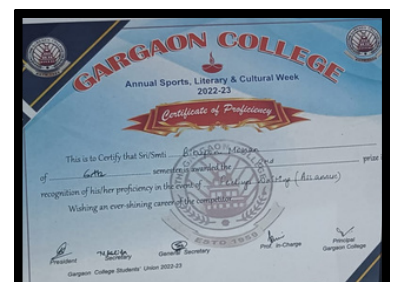
Udayan Khanikar  
2nd Prize  
Football Boys



Rupam Handique  
4th Semester  
3rd Prize in Dhol Badon



Bitupon Mohan  
3rd Prize  
Assamese Feeling Writing



Bitupon Mohan  
2nd Prize  
Assamese Story Writing

### **FACULTY DEVELOPMENT ACTIVITIES**

Name of the Teacher	Dr. Kabita Phukon	Mr. Harekrishna Mili	Miss. Sujata Goala
No of Seminar/Webinar Attended	6	2	3
No of Workshop Attended	8	2	5
No of Talk Attended	3	1	3
No of Conference	4	2	1
No of Paper Presented	4	3	4
No of Paper Published	1	0	0
No of Book Chapter Published	3	3	5
No of Book Edited	1	1	0
No of FDP	4	4	2
No of Refreshers	3	2	3
No of Orientation / Induction	1	1	1

### **CAPACITY BUILDING AND SKILL ENHANCEMENT PROGRAMME CONDUCTED**

Program	Objective	Date	Resource Person
Popular talk on some Fundamentals of Mathematics	To introduce the basic concept of Mathematics and the basic utilities of learning Mathematics.	17/08/2019 (Offline)	Dr. Surajit Borkotokey and Mr. Dhurbajyoti Chowdhury
The fascinating world of Mathematics and the Scope of Employment	Subject Specific Career counseling.	11/09/2020 (Online)	Prof. Gopal Chandra Hazarika
World Photography Day (Botany, Mathematics, and Geography )	Promoting the Photography Skill.	19-09-2022	Student
World Computer Literacy Day (PGDAC, Library, and Mathematics)	Creating awareness about computer literacy.	02/12/2022 (Webinar)	Pankaj Dutta (PGDCA)
Talk on “Interview and Resume Preparation”	To Guide the students in improving communication skill, resume preparation and facing Interview.	23/03/2024 (Online)	Mr. Mohit Sekhawat. (Public Speaking Coach)
Talk on “Life Skill”	To motivate the students and make the students aware of different skills of life.	29/04/2023 (Offline)	Dr. Surajit Saikia
Talk on “Handling Mathematical Equation in Latex and Power Point”	Illustrate the use of mathematical equations and symbols in Power Point and LaTeX.	08/03/2024 (Offline)	Miss Sujata Goala



## **FACULTY MEMBER SERVE AS RESOURCE PERSON.**

Dr. Kabita Phukon	Mr. Harekrishna Mili	Miss Sujata Goala
Conducting Olympiad Training Program at Nazira College (13.08.23), Godapani High school (29/07/2023) , Hahchra H.S.School (6/08/2023 to 13/08/2023) Parijat Jatiya Bidyapith school (5.7.2024),Simaluguri High School (20.7.2024)	Talk on “Benefits of Cycling- An Economic, Environmental and SocialAssessment”, World Bicycle Day, 2023.	Talk on “Making TLM of Mathematics Using Waste Materials” at Kenduguri High School. (27.02.2024)

## **ACTIVE COMMUNITY PARTICIPATION**



Two departmental scholarships has been introduced from this year by Dr. Kabita Phukon and Ms. sujata Goala.

Advanced Students Visited Dibrugarh University and their participation in State level Workshop (04-12-2021)



Plantation at Department as well as in the locality in World Environment Day

Dr. Kabita Phukon, Life member : “Musti Bhikshya ”



**এঘাৰদিনীয়া**  
**সম্প্রসাৰণ কাৰ্যসূচী**  
ষ্টাফ বিপণ্টাৰ, শিৱনাগৰ, ৯  
ছেপ্টেম্বৰ ৭ শিৱনাগৰ জিলাৰ  
গড়গাঁও মহাবিদ্যালয়ৰ গণিত  
বিভাগৰ উদ্যোগত আৰম্ভ  
মহাবিদ্যালয়ৰ অভ্যন্তৰীণ মাৰ্গ  
নিৰূপণ কোষৰ সহযোগত, লিগিৰী  
পুখুৰী উচ্চ মাধ্যমিক বিদ্যালয়ত  
‘গণিত পাঠদান’ বিষয়ক দহদিনীয়া  
কাৰ্যসূচীয়ে এতিয়া অনুষ্ঠান অনুষ্ঠিত  
হৈ আছে। গণিত বিভাগৰ অধ্যাপক  
সখা কলিতাৰ পূৰ্ব কৰিত্ৰা, পৰৱৰ্তী