



গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE

MASTERS PROGRAMME

Academic Session: 2023-2024

PROGRAMMES ORGANIZED

Department of Geography



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INDUCTION PROGRAMME

Organized by: Department of Geography

Date: 10th August, 2023

Target Group: P.G. 1st Semester (Batch 2023-25)

Overview

On 10th August 2023, the Department of Geography organized an Induction Programme to welcome the new P.G. 1st Semester students of Batch 2023-25. The event began with a welcome address by the Head of the Department, who highlighted the significance of geography in contemporary research and its interdisciplinary nature. The programme was graced by Principal Sir, Dr. Sabyasachi Mahanta, whose insightful speech emphasized the importance of academic rigor and integrity in postgraduate studies. Vice Principal, Dr. Rina Handique, followed with an encouraging address, urging students to engage actively in both academic and extracurricular activities for a holistic educational experience.

The introduction of the faculty members was a key highlight of the programme. Dr. Dilip Kumar Deka discussed the research opportunities available in geomorphology, while Dr. Dwijen Nath elaborated on projects in human geography and urban studies. Monurama Phukon shared insights on environmental geography and the department's focus on sustainability and climate change studies. Dr. Rituraj Neog emphasized the integration of geospatial technologies in geographical research, showcasing the department's advanced GIS and remote sensing lab facilities. Additionally, Rejina Borah and Kamal Das shared their academic experiences and offered valuable guidance to the new students.

The programme concluded with an interactive session where students had the opportunity to ask questions and seek advice from the faculty members. This session facilitated a closer interaction between the students and the faculty, fostering a sense of community within the department. Overall, the induction programme was a well-organized event that effectively introduced the new batch of postgraduate students to the Department of Geography, setting a collaborative and enthusiastic tone for the academic year ahead.

Dr. Dilip Kumar Deka
Associate Professor & HOD
Dept. of Geography
Gargaon College



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PHOTOGRAPHS



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List of Students

Sl. No	Name
1.	Alisha Chetry
2.	Ananya Chngamai
3.	Ankita Gogoi
4.	Archita Chetia
5.	Babli Rajkumari
6.	Boishali gogoi
7.	Chayanika Dihingia
8.	Gayatri Chetia
9.	Lina Dutta
10.	Lupashree Gogoi
11.	Moyuri Gogoi
12.	Naimisha Gogoi
13.	Niharika Gogoi
14.	Priyakhi Borah
15.	Rajlin Sultana
16.	Sudarshana Rajkumari
17.	Tonmoyee Dutta
18.	Akash Chutiya
19.	Dibakar Borgohain



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Programmes Organized

Date: 11th May, 2024

Resource Person: Dr. Shukla Acharjee

Designation: Assistant Professor, Centre for studies in Geography, Dibrugarh University,
Dibrugarh, Assam

Faculty Exchange Program

Topic: Classification Techniques and Accuracy Assessment in Remote Sensing

Programme Link: <https://bit.ly/3ytIKgH>

Overview

On May 11th, 2024, Dr. Shukla Acharjee, Assistant Professor at the Centre for Studies in Geography, Dibrugarh University, Dibrugarh, Assam, delivered a special lecture on "Classification Techniques and Accuracy Assessment in Remote Sensing" to the postgraduate Geography students of Gargaon College. This lecture was part of the faculty exchange program aimed at enriching the academic experience of the students. Dr. Acharjee elucidated various classification techniques used in remote sensing, including supervised and unsupervised classification methods, and their applications in land use and land cover mapping. He also emphasized the importance of accuracy assessment in remote sensing projects, discussing methods such as confusion matrix, Kappa coefficient, and cross-validation techniques. His comprehensive overview and practical insights provided the students with a deeper understanding of these critical aspects of remote sensing, enhancing their analytical skills and preparing them for advanced research and professional applications in geospatial technologies.

Rationality of the Program:


The exchange programme addressed the growing demand for expertise in GIS and remote sensing technologies, essential for modern geographical research and practice. By focusing on supervised and unsupervised classification techniques, the programme equipped participants with practical skills crucial for spatial data analysis across various disciplines. Moreover, fostering ICT proficiency among participants aligns with the department's commitment to advancing knowledge dissemination and enhancing employability in geospatial fields.

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List of Participants:

11 th May, 2024		
MA. Ind Sem		
Roll no.	Name	Signature
08	Raglin Sultana	Raglin Sultana.
11	Gayatri Chetia	Gayatri Chetia
14	Tomogee Datta	Tomogee Datta.
13	Priyankhi Borah	Priyankhi Borah
10	Alisha Chetia	Alisha Chetia
16	Moumee Gogoi	Moumee Gogoi.
206	Ankita Gogoi	Ankita Gogoi
3	Babli Rajkumari	Babli Rajkumari
19	Archita Chetia	Archita Chetia
05	Dibakar Borgohain	Dibakar Borgohain.
12	AKASH CHUTIA.	AKASH CHUTIA.
07	Lupashree Gogoi	Lupashree Gogoi
09	Sudakshina Rajkumari	S. Rajkumari
02	Ananya Changmai	Ananya Changmai.
04	Niharika Gogoi	Niharika Gogoi
17	Chayanika Dehingia	Chayanika Dehingia
16	Lina Sultana	Lina Sultana
17	Narmisha Gogoi	Narmisha Gogoi


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Online Mode of Delivery

Shukla is presenting

Jyotimoy Pritisha

You Shukla 38 others

Shukla is presenting

Shukla

Shukla is presenting

Shukla

ACCURACY ASSESSMENT

	Ground truth classes			No. classified pixels
	A	B	C	
Thematic map classes	A	35	2	39
	B	10	37	50
	C	5	1	47
No. ground truth pixels	50	40	46	136

For the above error matrix,
- $A = 35 + 37 + 41 = 113$
- $B = (39 * 50) + (50 * 40) + (47 * 46) = 6112$
- $N = 136$

Thus $R = \frac{NA-B}{N^2-B} = \frac{136 \times 113 - 6112}{136^2 - 6112} = .75$

This can be tested statistically.



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Media Integration:

<https://youtu.be/rD8-aMHMcE8>

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