



OFFICE OF THE PRINCIPAL GOALPARA COLLEGE, GOALPARA

An ISO 9001:2015 Certified Institution

Affiliated to Gauhati University, Guwahati, Assam

The College is covered under Section 2(f) and 12(B) of the UGC Act, 1956

P.O. : Goalpara, Dist. : Goalpara, (Assam) Pin : 783101

Dr. Subhash Barman, M.A. Ph.D
Principal & Secretary
Goalpara College, Assam

Phone No : 03663-240046
Mobile No. : 7399002231
E-mail : goalparacollege55@gmail.com
Website : www.goalparacollege.ac.in

No : GC/

Date :

One Month long Certificate Course on GIS and Remote Sensing Organized by Department of Geography Goalpara College From 01/01/2018 to 31/01/2018

Department of Geography, Goalpara College organized at month long certificate course on Geographical Information System and Remote Sensing from 01/01/2018 to 31/08/2018 in the GIS laboratory, Goalpara College. The meeting was inaugurated by Mr. Jyotish Das, Principal (i/c), Goalpara College in presence of Head of the department, Dr. Sidhi Nath Sarma. Ms. Hasna Begum Borbhuyan, Assistant Professor, department of Geography and Dr. Dhananjay Medhi, Assistant Professor, department of Geography also graced the program. Ms. Pinki Haloi, MSc Geography (Gauhati University), MTech in Remote sensing (Andhra University) was the course instructor.

Aims and Objectives Course: -

This program will help in acquiring good knowledge and skill on GIS & Remote Sensing by providing the best comprehensive knowledge to students. This emphasize the importance and need of GIS & its application in power industry and other sectors.

GIS is one of the modern techniques, it bring the excellence and quality in the higher education which is helpful for students career.

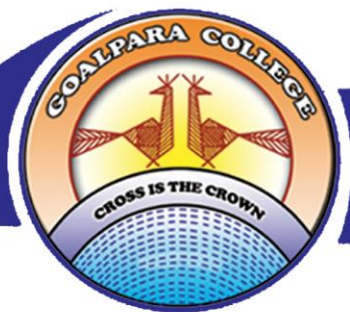
GIS is one of the need base programme and it is strongly felt that need based programmes will be useful for students, industry and society if they are in the co-ordination with professionals and industry.

Course Structure

Course Syllabus

a. Geographical Information System

1. Familiarization with GIS software.
2. Georeferencing and projection.
3. GIS data creation.



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4. Spatial and Non Spatial Queries.
5. Vector based spatial analysis.
6. Raster based spatial analysis.
7. Network analysis.
8. DEM generation.
9. Map Composition - Preparation of base map from toposheet including legend, scale and annotation.
10. GPS – Introduction, function and mechanism and Fieldwork.

b. Remote Sensing

1. Study of Satellite image Annotation (information) LANDSAT, SPOT and
2. IRS and Referencing Scheme (analog).
3. Referencing Scheme (Digital) and Browsing Satellite data from NRSC
4. Website.
5. Study on Spectral and image characteristics of optical and microwave SAR
6. data for identification / characterization major earth features.
7. 4. Study and use of IR – Thermal Radiation Measuring Instrument and
8. Drawing of Isotherm.
9. 5. Study of Thermal Image and interpretation, Computing Radiance Image
10. from satellite data, Derivation of brightness temperature.
11. 6. Interpretation of SAR data (from satellite) for Land use study.
12. 7. Study of Ground Data collection instruments. (Radiometer, Spectrometers,
13. GPS and ground data collection using Radiometer, Spectrometers, GPS.



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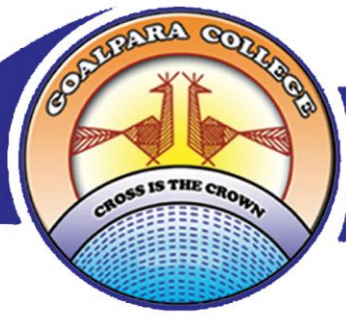
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Class Schedule

Self Finance One Month GIS and RS Training 1st January to 31st January, 2018 Department of Geography, Goalpara College, Goalpara		
Date	Time	Time
	Introductory session	
01-01-2018 (Monday)	11.00 A.M. - 12.00 P.M.	11.00 A.M. - 12.00 P.M.
2nd January	10.00 A.M. -12.00 P.M.	1.30 P.M.-3.30 P.M.
3rd January	10.00 A.M. -12.00 P.M.	1.30 .PM.-3.30 P.M.
4th January	9.00 A.M.-12.00 P.M.	2.00 P.M.-4.00 P.M.
5th January	9.00 A.M.-12.00 P.M.	2.00 P.M.-4.00 P.M.
6th January	10.00 A.M. -12.00 P.M.	1.30 P.M.-3.30 P.M.
7th January	Sunday	Sunday
8th January	9.00 A.M.-12.00 P.M.	2.00 P.M.-3.00 P.M.
9th January	10.00 A.M. -12.00 P.M.	1.30 P.M.-3.30 P.M.
10th January	10.00 A.M. -12.00 P.M.	1.30 P.M.-3.30 P.M.
11th January	10.00 A.M. -12.00 P.M.	2.00 P.M.-4.00 .PM.
12th January	10.00 A.M. -12.00 P.M.	1.00 P.M.-2.00 P.M.
13th January	Holiday	Holiday
14th January	Holiday	Holiday
15th January	Holiday	Holiday
16th January		2.00 P.M.-4.00 P.M.
17th January		2.00 P.M.-4.00 P.M.
18th January		1.00 P.M.-3.00 P.M.
19th January		1.00 P.M.-3.00 P.M.
20th January		1.00 .P.M.-3.00 P.M.
21st January		10.00 A.M.-12.00 P.M.
22nd January		2.00 P.M.-4.00 P.M.
23rd January		2.00 P.M.-4.00 .PM.
24th January		1.00 P.M.-3.00 P.M.
25th January		1.00 P.M.-3.00 P.M.
26th January	Holiday	Holiday
27th January		2.00 P.M.-3.00 P.M.
28th January	Sunday	Sunday
29th January		2.00 P.M.-3.00 P.M.
30th January		2.00 A.M.-3.00 P.M.
31st January	Evaluation	



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Glimpses of the Program

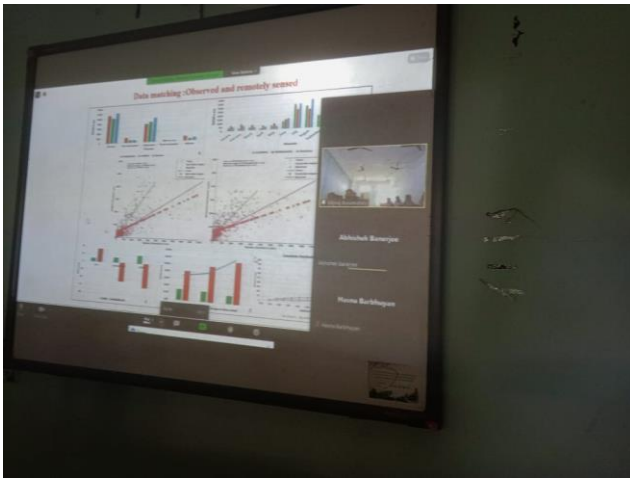
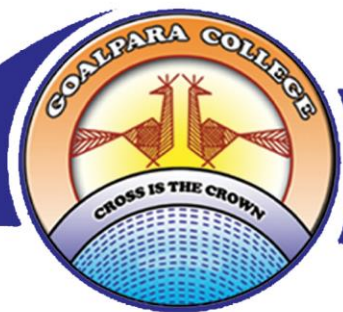


Photo of ongoing Class

Inaugural Program



Principal (i/c) of Goalpara College, former HoD, Department of Geography and Ex-MLA Goalpara, Jyotish Das delivering inaugural lecture



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Brochure of the Course

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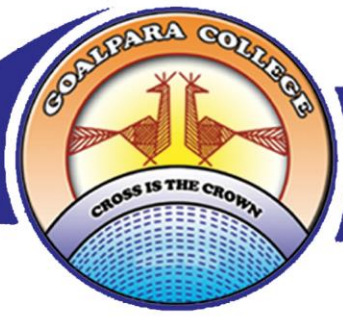
Organized by

Department of Geography

Goalpara College

From 01/01/2018 to 31/01/2018

for more information contact department of Geography



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Certificate of the Course



**CERTIFICATE OF
COMPLETION**

This is to certify that Mr./Ms..... of department of has participated and successfully completed the **One Month long Certificate Course on GIS and Remote Sensing** held from 1st January 2018 to 31st January 2018, organised by department of Geography, Goalpara College.

We wish him/her all success in life.

(Mr. Jyostish Das)	(Dr. S. N. Sarma)	(Mrs. H. B. Barbhuyan)	(Ms. Pinky Haloi)
Principal (i/c)	Head, Dept. of Geography	Course Coordinator	Course Instructor
Goalpara College	Goalpara College	Goalpara College	Goalpara College