

Notice No-

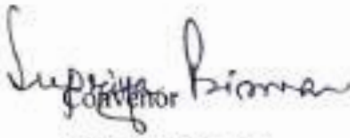
Gour Mahavidyalaya, Mangalbari, Malda

Date-01/07/2022

Academic Council

Notice

All the Heads of the 20 departments are requested to select an ADD-ON COURSE for the session 2022-2023, and the need to inform me through a letter about the name of that course within 10 days. They are also requested to begin classes of 30 hours of the ADD-ON COURSE, and maintain the record properly (students' daily attendance sheet duly signed by the teacher and photo of classes).

  
Supriya Biswas  
Convener

Academic Council

Gour Mahavidyalaya



Principal

Gour Mahavidyalaya

Principal  
GOUR MAHAVIDYALAYA  
Mangalbari, Malda



# Department of Geography Gour Mahavidyalaya

P.O. - Mangalbari, Dist.: Malda. Pin: 732142 (W.B.)

Phone: 03512- 260547; Fax 03512-260547

E-mail: gour\_maha@yahoo.co.in, Website: gourmaha.ac.in



Memo No.....

Date..... 5/7/2022

To  
The Convenor, Academic Council,  
Gour Mahavidyalaya,  
Malda.

## Sub: Letter of Intention for Conduction of Add-on Course for the session 2022-23

Dear Madam,

In response to your letter dated 01.07.2022 regarding introduction of the add-on course for the session 2022-23 I, Syfujjaman Tarafder, Head of the department of Geography sending our intention on the matter informing your that we are going to introduce one Add-on course on "Basics of Cartographic Techniques and Mapping" for the academic session 2022-23 as soon as possible. I have attached herewith the brochure of the course.

Detail CourseStructure will be shared later on along with the class schedule.

Thanking you,

With regards,

*Syfujjaman Tarafder*  
Syfujjaman Tarafder

Head

Department of Geography

Head

*Department of Geography*  
*Gour Mahavidyalaya*  
*Mangalbari, Malda.*

# GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC(2<sup>nd</sup> Cycle) B+

Dr. Ashim Kumar Sarkar  
Principal  
principalgourcollege@gmail.com



P.O.- Mangalbari, Dist.: Malda. Pin-732142  
Phone: 03512- 260547; Fax 03512-260547  
E-mail: gour\_maha@yahoo.co.in  
www.gourmaha.org

Ref: IQAC/08/2022

Date:01.08.2022

To

The HODs of the Department of Bengali, English, History, Education, Political Science, Sociology, Sanskrit, Mass Communication and Journalism, Physical Education, Chemistry, Computer Science and BCA, Mathematics, Botany, Geography.

Subject- Approval of Add-On Courses.

Sir/Madam

In response to letters from the following Departments to the Convener, Academic Council, you are hereby informed that your applications for the introduction of the following ADD-ON-COURSES from the academic session 2022-23 is accepted and approved by the IQAC, Gour Mahavidyalaya, Malda

Name of the Departments	Letters from the HODS received on	Name of the ADD-ON-COURSES
1.Bengali	04.07.2022	Maldaher Lokonatto Gambhira
2.English	08.07.2022	Translation Studies: New Frontiers and Job Prospects
3.Education	05.07.2022	Yoga Education
4.Geography	05.07.2022	Basics of Cartographic Techniques and Mapping
5.History	04.07.2022	Indian Heritage
6.Mass Communication and Journalism	09.07.2022	Copy Writing
7.Physical Education	09.07.2022	Administration in Physical Education and Sports Management
8.Sanskrit	20.07.2022	Spoken Sanskrit
9.Sociology	06.07.2022	The Gender and Sexuality; Applications in Society
10.Botany	04.07.2022	Mushroom Culture Technique
11.Chemistry	12.07.2022	Analysis of Soil Testing Report of Old Malda Block
12.Computer Science and BCA	05.07.2022-Two courses	Advance Computer-I and and Microsoft Office Tools
13.Mathematics	08.07.2022	Basic Application of Type Setting Software LATEX
14.Political Science	08.07.2022	Human Rights in India

Please do the needful.

Yours Sincerely,

Dr. Pulak Kumar Kundu,  
Co-ordinator,  
IQAC,

Dr. Ashim Kumar Sarkar,  
Principal,  
Gour Mahavidyalaya,

Principal  
GOUR MAHAVIDYALAYA  
Mangalbari, Malda.



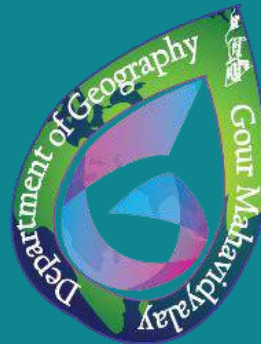


## Add-on Course (30 Hours)

### on Basics of Cartographic Techniques and Mapping



Organized  
by



Department of Geography  
Gour Mahavidyalaya

In Collaboration With the IQAC, Gour Mahavidyalaya

DATE: 16 Nov 22 – 17 Dec 22

Course Fee: Nil



## About the College:

Gour Mahavidyalaya, situated on the north side of Mahananda River where N.H.34 passes through Mangalbari, Old Malda, started its journey on the 5th day of September 1985 to cater to the needs of the people, mainly of the district, as well as those of this locality. In the field of higher education. Gour Mahavidyalaya, a premier institution for the higher education of the Old Malda reserve constituency, has been trying to continue to free people from ignorance, superstition, bad habits and many wrong ideas on the one hand and provides the people of this locality with some skills.

## About the department:

The department of Geography started its journey from the session 2001-2002 with a meagre amount of 20 general stream students to cater to the educational needs of the weaker sections of this Block and to other parts of the districts in general under North Bengal University. At present both honours and general courses are running with three sanctioned full-time teaching posts and three SACT posts who are continuously guiding their students for their all-round development. The department publish wall magazine annually. Eco-club organize various activities on environment and social awareness regularly. Student seminars are organized annually for enhancing skills of the students. Besides, seminars, special lectures, career counseling programmes, short-term field visit, in-house hands-on training, short-term course are also arranged for the benefit of students.

## Course objectives and desired outcome:

### Course Objectives

In this Course on Basics of Cartographic Techniques and Mapping, participants will delve into the core principles and practical applications of cartography. The course will begin with an exploration of cartography's historical evolution and its contemporary relevance across diverse fields. Students will grasp fundamental map design principles, including layout, colour theory, and symbology, enabling them to craft informative and visually appealing maps. Through an in-depth study of map projections, coordinate systems, and data collection methods, participants will gain a comprehensive understanding of spatial representation. Hands-on experience with popular cartographic software will equip learners with the necessary skills to create, edit, and analyse maps. Thematic mapping, spatial analysis, and the ethical considerations in map interpretation will be addressed, preparing students to develop comprehensive map projects applying acquired knowledge. Ultimately, this course aims to empower individuals with the expertise to produce accurate, effective, and ethically sound maps across various professional domains.



## Expected Course Outcomes:

By the end of this Add-on Course on Basics of Cartographic Techniques and Mapping, participants will emerge equipped with a comprehensive skill set. They will confidently design maps employing principles of layout, colour, and symbology for clear and visually compelling representations. Acquiring a profound understanding of spatial concepts including map projections, coordinate systems, and data collection methods, learners will adeptly manipulate geographic information. Proficiency in utilising cartographic software tools will enable students to create, edit, and analyse maps efficiently. They will demonstrate their competence in developing thematic maps to represent diverse attributes and will possess the ability to critically analyse maps for accuracy and biases. Practical application in real-world scenarios across fields like urban planning and environmental science will underscore the course's applicability. Participants will culminate their learning by independently crafting a comprehensive map project, showcasing their acquired skills, ethical considerations, and effective communication abilities, cementing their expertise in cartographic techniques and mapping principles.

## Course Structure and Curriculum

- Module-1: Understanding Cartography Basics
- Cartography: Introduction, Principles and Elements, Historical Context and Evolution of cartography, Instruments and Software Used in Cartography.
- Tools and Applications:
- Practical Applications in Various Fields, Scale in Maps, Types of Scale and Their Interpretation
- Construction: Graphical Scales: Linear, Comparative Linear, Diagonal, Vernier

### Module-2: Map Projections and Distortions

- Map Projection: Principles, Properties, and Types, Understanding Distortion in Map Projections
- Construction of Map Projections: Polar Zenithal Stereographic, Simple Conical, Bonne's Projection, Mercator Projection, and Universal Transverse Mercator (UTM)

### Module-3: Cartographic Techniques and Applications

- Survey of India (SOI) Toposheet: Features and Interpretation of Topographic Sheets
- Cartographic Techniques: Line, Bar, Pie, Histogram, Proportional Circles
- Cartographic Application through GIS: Application of QGIS Software for Mapping.



## **Course Schedule:**

### Module-1: Understanding Cartography Basics

Day-1 (16/11/2022): Introduction to Cartography: Principles, Elements

Day-2 (17/11/2022): History of Cartography and Mapping

Day-3 (18/11/2022): Tools and Applications of Cartography

Day 4 (19/11/2022): Scale in Maps: Types, Usage, and Interpretation

Day-5 (21/11/2022): Construction of Graphical Scale: Linear Scale and Comparative Linear

Day-6 (22/11/2022): Construction of Graphical Scale: Diagonal and Vernier Scale

### Module-2: Techniques and Application-I

Day-7 (23/11/2022): Map Projection Overview: Principles, Properties, Types

Day-8 (24/11/2022): Understanding Distortion in Map Projection

Day-9 (25/11/2022): Construction of map projection: Polar Zenithal Stereographic, Simple conical, Bonne's projection

Day-10 (26/11/2022): Construction of map projection: Mercator projection, UTM.

### Module-3: Techniques and Application-II

Day-11 (13/12/2022): Survey of India (SOI) Toposheet: Features and Interpretation

Day-12 (14/12/2022): Cartographic Techniques: Line, Bar, Pie, and Histogram

Day-13 (15/12/2022): Construction: Line, Bar, Histogram, and Proportional Circle

Day 14: (16/12/2022): Cartographic Application through GIS: Demonstration of QGIS software

Assessment

Day 15: (17/12/2022): Final Test and Feedback collection

## **Organising Committee**

Chief Patron: **Dr. Ashim Kumar Sarkar, Principal, Gour Mahavidyalaya**

Chief Advisor: **Prof. Pradip Chouhan, Professor, Department of Geography, University of Gour Bnaga**

**Dr. Pulak Kumar Kundu, IQAC Coordinator, Gour Mahavidyalaya**

Course Convenor **Syfujjaman Tarafder, Assistant Professor, Department of Geography, Gour Mahavidyalaya**

Joint coordinators: **Satyajit Paul, Assistant Professor, and Prabir Das Assistant, Professor, Department of Geography, Gour Mahavidyalaya**

Organizing secretaries: **Dipankar Majumdar, SACT, Paban Ghosh, SACT and Sanjay Ghosh SACT, Department of Geography, Gour Mahavidyalaya**





No.



**Registration cum Enrolment Form**

**For**

**Add-on Course (30 Hours)**

**on**

**Basics of Cartographic Techniques and Mapping**

Organized by department of Geography, Gour Mahavidyalaya

In Collaboration with IQAC, Gour Mahavidyalaya

From 16-November-2022 to 31-December-22 (15 Days)

Name of Student: MOSARAF HOSSAIN Sex:  M /  F

Semester: 1ST Name of College: GOUR MAHAVIDYALAYA

University Roll Number (if available): 1222GE04-0096

Father's Name: SAYED ALI

Full Address with pin code:

XII - JANUTOLA (SINGPARA), P.O. - BANHUTOLA,

PS - MOTHABARI, BLOCK - KALICHAK-II,

DIST - MALDA, PIN - 732207

WhatsApp Number: 6295711492

Why do you want to join this course?

HOW ABOUT MAPPING -

Mosaraf Hossain

Signature of Student



**Evaluation of Students who participated in the Add-on Course  
on**

**Basics of Cartographic Techniques and Mapping**

Organized by department of Geography, Gour Mahavidyalaya  
In Collaboration with IQAC, Gour Mahavidyalaya

**Answer all the Questions. Each question carries 3 marks.**



1. What is the purpose of a compass rose on a map?
  - a) To indicate the distance between two points
  - b) To show the direction of north
  - c) To highlight important landmarks
  - d) To measure elevation
2. What does the term "scale" refer to in cartography?
  - a) The color scheme used on a map
  - b) The ratio of distances on the map to actual distances on the Earth
  - c) The type of projection used
  - d) The age of the map
3. Which of the following map projections preserves accurate shapes but distorts sizes, particularly near the poles?
  - a) Mercator projection
  - b) Robinson projection
  - c) Azimuthal equidistant projection
  - d) Conic projection
4. What is a topographic map primarily used for?
  - a) Navigating through the ocean
  - b) Identifying political boundaries
  - c) Representing the elevation and natural features of a landscape
  - d) Displaying climate zones
5. The line connecting points of equal elevation on a topographic map is known as:
  - a) Contour line
  - b) Latitude line
  - c) Longitude line
  - d) Equator
6. Which coordinate system is commonly used to specify locations on the Earth's surface?
  - a) Cartesian coordinates
  - b) Polar coordinates
  - c) Geographic coordinates (latitude and longitude)
  - d) UTM coordinates
7. What is the purpose of a legend on a map?

- a) To display the date the map was created
- b) To provide information about the map's creator
- c) To explain the symbols and colors used on the map
- d) To indicate the map's scale

8. In which direction do lines of longitude run on a map?

- a) East to west
- b) North to south
- c) Northwest to southeast
- d) Southwest to northeast

9. What is the term for the imaginary line that divides the Earth into the Northern Hemisphere and the Southern Hemisphere?

- a) Tropic of Cancer
- b) Equator
- c) Prime Meridian
- d) Antarctic Circle

10. Which type of map is designed to show the distribution of a specific phenomenon or theme, such as population density or rainfall?

- a) Political map
- b) Topographic map
- c) Thematic map
- d) Climate map

8/10  
Supriya Chosh



# Feedback of Add-on course (30 hours) on Basic Cartography

Thank you for participating in our event. We hope you had as much fun attending as we did organizing it.

We want to hear your feedback so we can keep improving ourselves and the content. Please fill this quick survey and let us know your thoughts (your answers will be anonymous).

\* Indicates required question

1. How satisfied were you with this Add-on course? \*

Mark only one oval.

1 2 3 4 5

Not      Very much

2. How relevant and helpful do you think it was for your study? \*

Mark only one oval

1 2 3 4 5

Not      Very much

3. What were your main achievements from this course?

Mapping

4. How satisfied were you with the lectures and hands-on training? \*

1 = Very dissatisfied 5 = Very satisfied

Mark only one oval per row.

	1	2	3	4	5	N/A
Classes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Practical sessions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Competency of the speakers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Timing of the Course	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>





(Add-on Course).

ON  
Bases of Cartographic Techniques & Mapping.

classmate

Date \_\_\_\_\_

Page \_\_\_\_\_

Day-1.

Date: - 16/11/22

Topic - Introduction to cartography

Sl. No.	Participants Names.	Semester	Signature	Remarks.
1	Panchami Barman	I	Panchami Barman	
2	Sauvik Mandal	I	Sauvik Mandal	
3	Shaibul Rahaman	I	Shaibul Rahaman	
4	Chaiti Samkar	I	Chaiti Samkar	
5	Bibek Pramanik	I	Bibek Pramanik	
6	Uttam Mandal	I	Uttam Mandal	
7	Sufian Sultana	I	Sufian Sultana	
8	Mosabof Hossain	I	Mosabof Hossain	
9	Rehesan SK	I	Rehesan SK	
10	Riswanjit Bhakat Sourav Mandal	I	Riswanjit Bhakat	
11	Sahida Akhtar	I	Sahida Akhtar	
12	Moumita Dutta	I	Moumita Dutta	
13	Angan Halder	I	Angan Halder.	
14	Supriya Ghosh	I	Supriya Ghosh	
15	Doyle Goswami	I	Doyle Goswami	
16	Suman Rajbanshi	I	Suman Rajbanshi	
17	Masrikul	I	Masrikul	
18	Dipsikha Sarker	I	Dipsikha Sarker	
19	Md. Nahid Kousar	I	Nahid	
20	Sweety Das	I	Sweety Das	
21	Sahina Barua	I	Sahina Barua	
22	manojit Sen	I	manojit Sen	
23	Doyle Ahmed	I	Doyle Ahmed	
24	Akshay Sarker	I	Akshay Sarker	





Day-2 Topic:- History of Cartography



Sl. No.	Name of the participants	Sem	Signature	Rem.
	Chaiti Sankar	I	Chaiti Sankar	
	Rehedan SK	I	Rehedan SK	
	Souvik Mandal	I	Souvik Mandal	
	Sahida Akhtar	I	Sahida Akhtar	
	Dotel Goswami	I	Dotel Goswami	
	Shaibal Rahman	I	Shaibal Rahman	
	Anjan Halder	I	Anjan Halder	
	Supriya Chosh	I	Supriya Chosh	
	Sweety Das	I	Sweety Das	
	Bibek Pramanik	I	Bibek Pramanik	
	Sahina Barua	I	Sahina Barua	
	Panchami Barman	I	Panchami Barman	
	Mosaraf Hossain	I	Mosaraf Hossain	
	Moumita Dutta	I	Moumita Dutta	
	Uttam Mandal	I	Uttam Mandal	
	Masrikul	I	Masrikul	
	Suman Rajbanshi	I	Suman Rajbanshi	
	Sufiun Sultana	I	Sufiun Sultana	
	Dipsikha Sarkar	I	Dipsikha Sarkar	
	Md. Nahid Rousan	I	Nahid	
	Kinkor Sankar	I	Kinkor Sankar	
	Aktabrata Sarkar	I	Aktabrata Sarkar	
	Subhjit Mandal	I	Subhjit Mandal	
	Joyel Ahmed	I	Joyel Ahmed	
	Manojit Sen	I	Manojit Sen	
	Arswajit Chakrabarti	I	Arswajit Chakrabarti	
	Siddhanta Chakrabarti	I	Siddhanta Chakrabarti	



# Topic: Survey of India Topographical map

classmate



Day: 11 Date: 13/12/2022

Rehesan SK	I	Rehesan SK
Sauvik Mandal	I	Sauvik Mandal
Chaiti Sankar	I	Chaiti Sankar
Anjan Halder	I	Anjan Halder
Sahida Akhtar	I	Sahida Akhtar
Supriya Ghosh	I	Supriya Ghosh
Moumita Dutta	I	Moumita Dutta
Panchami Barman	I	Panchami Barman
Dipsikha Sarkar	I	Dipsikha Sarkar
Sweety Das	I	Sweety Das
Doyal Goswami	I	Doyal Goswami
Sehino Bera	I	Sehino Bera
Shaibul Rahman	II	Shaibul Rahman
Masrifa	I	Masrifa
Mosaraf Hossain	I	Mosaraf Hossain
Ms. Nahid Rouzan		Nahid
Bibek Pramanik	I	Bibek Pramanik
Uttam Mandal	I	Uttam Mandal
Manojit Sen	I	Manojit Sen
Kinkar Sarkar	I	Kinkar Sarkar
Doyal Ahmed	I	Doyal Ahmed
Suman Raybanshi	I	Suman Raybanshi
Subhojit Mandal	I	Subhojit Mandal
Arkabrata Sarkar	I	Arkabrata Sarkar
Sajim Sultana	I	Sajim Sultana
Siddhartha Mandal	I	Siddhartha Mandal
Biswanit Bhakat	I	Biswanit Bhakat



# Add-on Course (30 Hours)

on


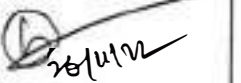
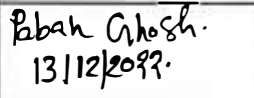
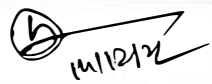
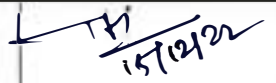

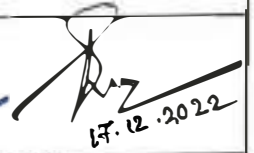
## Basics of Cartographic Techniques and Mapping


Organised by department of Geography, Gour Mahavidyalaya

In Collaboration with IQAC, Gour Mahavidyalaya

From 16-November-2022 to 17-December-22 (15 Days)



Day-9 (25/11/2022)	4.00 pm - 6.00 pm	Construction of map projection: Polar Zenithal Stereographic, Simple conical, Bonne's projection	Dipankar Majumder	 25/11/2022
Day-10 (26/11/2022)	4.00 pm - 6.00 pm	Construction of map projection: Mercator projection, UTM	Syfujjaman Tarafder	 26/11/22
<b>Module-3: Techniques and Application-II</b>				
Day-11 (13/12/2022)	4.00 pm - 6.00 pm	Survey of India (SOI) Toposheet: Features and Interpretation	Paban Ghosh	 Paban Ghosh. 13/12/2022.
Day-12 (14/12/2022)	4.00 pm - 6.00 pm	Cartographic Techniques: Line, Bar, Pie, Choropleth, Isopleth	Syfujjaman Tarafder	 14/12/22
Day-13 (15/12/2022)	4.00 pm - 6.00 pm	Construction: Line, Bar, Histogram, and Pie, Choropleth, Isopleth	Satyajit Paul	 15/12/22
Day 14: (16/12/2022)	4.00 pm - 6.00 pm	Cartographic Application through GIS: Demonstration of QGIS software	Satyajit Paul	 16/12/22.
<b>Assessment</b>				
Day 15: (17/12/2022)	4.00 pm - 4.30 pm 4.30 pm - 6.00 pm	Final Test Feedback collection	Dr Somnath Halder	 17.12.2022



Principal  
GOUR MAHAVIDYALAYA  
Mangalbari, Malda



## DEPARTMENT OF GEOGRAPHY

Gour Mahavidyalaya, Mangalbari, Malda-732142



### *Certificate of Participation for Add-On Course*

*This is to Certify that \_\_\_\_\_ Anjan Halder \_\_\_\_\_ of semester  
I \_\_\_\_\_ Department of \_\_\_\_\_ Geography \_\_\_\_\_ has successfully completed the Add-on course on  
"Basics of Cartographic Techniques and Mapping" organised by Department of Geography, Gour  
Mahavidyalaya, Mangalbari, Malda-732142 from November 16 2022 to December 17 2022.*

*TS*  
*17/12/22*  
\_\_\_\_\_  
Course Coordinator

*TS*  
*17/12/22*  
*17.12.2022*  
\_\_\_\_\_  
Joint Coordinator (s)

*VA*  
\_\_\_\_\_  
Principal  
Gour Mahavidyalaya  
Mangalbari, Malda.



## DEPARTMENT OF GEOGRAPHY

Gour Mahavidyalaya, Mangalbari, Malda-732142



### *Certificate of Participation for Add-On Course*

*This is to Certify that \_\_\_\_\_ Mosaraf Hossain \_\_\_\_\_ of semester  
I \_\_\_\_\_ Department of \_\_\_\_\_ Geography \_\_\_\_\_ has successfully completed the Add-on course on  
"Basics of Cartographic Techniques and Mapping" organised by Department of Geography, Gour  
Mahavidyalaya, Mangalbari, Malda-732142 from November 16 2022 to December 17 2022.*

*TS*  
*17/12/22*  
\_\_\_\_\_  
Course Coordinator


*TS*  
*17/12/22*  
*17.12.2022*  
\_\_\_\_\_  
Joint Coordinator (s)

*VA*  
\_\_\_\_\_  
Principal  
Gour Mahavidyalaya  
Mangalbari, Malda.



# Summary Report

The Add-on Course on **Basics of Cartographic Techniques and Mapping**, organised by the department of Geography was a great success as more than 25 participants successfully completed the course. Participants gained the skills of design maps employing principles of layout, colour, and symbology for clear and visually compelling representations. Acquiring a profound understanding of spatial concepts including map projections, coordinate systems, and data collection methods, they became proficient in utilising cartographic software tools.



Principal  
GOUR MAHAVIDYALAYA  
Mangalbari, Malda.



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Course Coordinator