



# DEPARTMENT OF GEOGRAPHY

## EGRA SARADA SHASHI BHUSAN COLLEGE

(Reaccredited by NAAC with - 'B' Grade with a CGPA of 2.32)

P.O.+P.S. - Egra, Dist. - Purba Medinipur, West Bengal, Pin - 721429



College Website : [www.egrassbcollege.ac.in](http://www.egrassbcollege.ac.in)

College E-mail : [info@egrassbcollege.ac.in](mailto:info@egrassbcollege.ac.in)

College Phone No.: 03220-244073/245557

Departmental E-mail(s):

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[egrassbgeodept@gmail.com](mailto:egrassbgeodept@gmail.com)

Departmental Phone No.: 03220-245110

### REPORT ON

## SEVEN DAYS CERTIFICATE COURSE ON CARTOGRAPHY AND MAPPING

*Organized by Department of Geography  
Egra S.S.B. College, Egra, Purba Medinipur, Pin-721429*

- Title of the Course: Cartography and Mapping
- Nature of the Course: Theory & Practical Classes
- Total Contact Hours: 30 hours
- Total Credits: 5
- Opening of registration process: 2<sup>nd</sup> June 2022
- Closing of Registration Process: 11<sup>th</sup> June 2022
- Mode of Registration: Offline
- Date for Commencement of the Course: 17<sup>th</sup> June 2022
- Closing date of the course: 24<sup>th</sup> June 2022
- Duration: 7 Days
- Total No of Students Enrolled: 39 UG Students
- Registration Fees: Nil

#### Course Coordinator:

Dr. Dipak Bisai, Associate Professor, Dept. of Geography, Egra SSB College

#### Number of Faculty involved:

Mr. Prosenjit Murmu, Assistant Professor & Head, Dept. of Geography, Egra SSB College

Mr. Srikrishna Paul, SACT-II, Dept. of Geography, Egra SSB College

Mr. Soutik Kr. Das Mahapatra, SACT-II, Dept. of Geography, Egra SSB College

Mr. Ranjit Jana, SACT-II, Dept. of Geography, Egra SSB College

Mr. Debasish Das Mahapatra, SACT-I, Dept. of Geography, Egra SSB College

#### Outcome of the Course:

Maps are the tools of GIS specialist. Remote Sensing and GIS cannot be studied without maps. Though a number of disciplines are involved in the study of earth, but Remote Sensing and GIS is the only discipline which is involved in the mapping of the earth or any part of it. These are more efficient than books. Maps are records of various facts of the earth. These maps make direct appeal to the mind and bring before us the unknown and unseen areas in their original form. The syllabus was designed after the following of University prescribed syllabus. The entire training was compact by drawing,

measurement and instrument uses. Basis senses of map preparations were the main attribute of this training. Some Physical and non- physical maps containing required data has been made during this session. Moreover, some lab techniques also be included in this training. Operational drawing and measurement of land-forms by Dumpy Level and height and distance measurement by Theodolite were the componential operation during this study.

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(AFFILIATED TO VIDYANAGAR UNIVERSITY)



P.O. + P.S. – EGRA, DIST. - PURBA MEDINIPUR, PIN -721429, WEST BENGAL

REACCREDITED BY NAAC WITH 'B' GRADE WITH A CGPA OF 2.32

DRAFT SYLLABUS FOR

**CERTIFICATE COURSE  
ON  
CARTOGRAPHY AND MAPPING**

ORGANIZE BY

**DEPARTMENT OF GEOGRAPHY**

## Section -1: Structure of the Course and Examination

Type	Paper	Title of the Paper	Credit
Theoretical	I	Cartographic Technique	1 Credit
Practical	II	Application of Cartography	2 Credits
Practical	III	Map Interpretation and Survey	2 Credits

## Section -2: Structure of the Course and Examination

Paper-I: Cartographic Techniques 1 Credit

- 1.1. Concept of Linear and Comparative Scales
- 1.2. Proportional Diagrams: Circles and Squares
- 1.3. Concept and components of Composite Bar Diagrams and Age-Sex Pyramids
- 1.4. Concept of Taylor's Climograph
- 1.5. Components of relief and drainage of Topographical map.
- 1.6. Significance of surveying techniques.

Paper- II: Application of Cartography 2 Credits

- 2.1. Isoleth Method: Rainfall Distribution and Temperature Zones
- 2.2. Choropleth Method: Population Density and Cropping Intensity (Based on Ratio between Net Sown Area and Gross Cropped Area)
- 2.3. Drawing of Graticule on Cylindrical Equal Area Projection
- 2.4. Drawing of Graticule on Simple Conical Projection with One Standard Parallel

Paper-III: Map Interpretation and Survey 2 Credits

- 3.1. Interpretation of Relief and Drainage from Topographical Maps
- 3.2. Interpretation of Communication and Settlement from Topographical Maps
- 3.3. Relationship between Physical and Cultural Features in Plateau and Plain Regions on the basis of Topographical Maps Published by Survey of India
- 3.4. Levelling survey: Dumpy Level and Theodolite survey.
- 3.5. GPS reading and way points' recognition.



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### CERTIFICATE COURSE: CARTOGRAPHY AND MAPPING

#### SYLLABUS DISTRIBUTION



Sl. No.	Faculty	Allotment
1	Dr. Dipak Bisai	1.4. Concept of Taylor's Climograph 1.6. Significance of surveying techniques. 2.1. Isoleth Method: Rainfall Distribution and Temperature Zones 3.5. GPS reading and way points' recognition.
2	Mr. Srikrishna Paul	2.3. Drawing of Graticule on Cylindrical Equal Area Projection 2.4. Drawing of Graticule on Simple Conical Projection with One Standard Parallel 3.3 Relationship between Physical and Cultural Features in Plateau and Plain Regions on the basis of Topographical Maps Published by Survey of India
3	Mr. Soutik Das Mahapatra	1.2. Proportional Diagrams: Circles and Squares 1.3. Concept and components of Composite Bar Diagrams and Age-Sex Pyramids 2.2. Choropleth Method: Population Density and Cropping Intensity (Based on Ratio between Net Sown Area and Gross Cropped Area)
4	Mr. Ranjit jana	1.5. Components of relief and drainage of Topographical map. 3.1. Interpretation of Relief and Drainage from Topographical Maps 3.2. Interpretation of Communication and Settlement from Topographical Maps
5	Mr. Debasish Dasmahapatra	1.1 Concept of Linear and Comparative Scales 3.4. Levelling survey: Dumpy Level and Theodolite survey.

Course-Co-Ordinator

H.O.D.

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Dept. of Geography  
Egra S.S.B. College

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Departmental Phone No.: 03220-245110

Memo No-

Date:17/06/2022

### CLASS SCHEDULE FOR CERTIFICATE COURSE ON CARTOGRAPHY AND MAPPING

W.E.F- 17/06/2022

Date/Time	9:15 am- 10:15 am	11:15 am- 12:15 pm	1:15 pm- 2:15 pm	3:15 pm- 4:15 pm	4:15 pm- 5:15 pm
17/06/2022	SP		RJ	SDM	
18/06/2022	DB	SP		DDM	
20/06/2022	RJ		SDM	SP	
21/06/2022	DDM	SDM		RJ	
22/06/2022	SDM		RJ	DB	
23/06/2022	SP	RJ		DDM	
24/06/2022	DB	RJ	SP	SDM	

### CLASS ALLOTMENT

Sl. No.	Faculty Name	Theory	Practical	Total
1	D.B (Dr. Dipak Bisai)	02	02	04
2	S.P (Mr. Srikrishna Paul)	04	02	06
3	S.D.M (Mr. Soutik Das Mahapatra)	03	04	07
4	R.J (Mr. Ranjit Jana)	04	04	08
5	D.D.M (Mr. Debasish Dasmahapatra)	01	04	05
<b>Total</b>		<b>14</b>	<b>16</b>	<b>30</b>

Note: The class schedule is inevitably subject to change

Course Co-ordinator



H.O.D.

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Dept. of Geography  
Egra S.S.B. College

## PHOTOGRAPHS







