

ESTD. : 1968

(Reaccredited by NAAC with – 'B' Gradewith a CGPA of 2.32)

An ISO Certified College for ISO 9001 : 2015 & ISO 14001 : 2015

Post – Egra :Dist – Purba Medinipur (West Bengal) : Pin – 721429.

President : Mr. Tarun Kumar Maity, M.L.A., W.B.

Principal : Dr. Dipak Kumar Tamili.

☎ : 03220-244073, Website - www.egrassbcollege.ac.in : E-mail – info@egrassbcollege.ac.in



DEPARTMENT OF GEOGRAPHY

EGRA SARADA SHASHI BHUSAN COLLEGE

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College Website : www.egrassbcollege.ac.in

College E-mail : info@egrassbcollege.ac.in

College Phone No.: 03220-244073/245557

Departmental E-mail(s):

geographydept12345@gmail.com

geography@egrassbcollege.ac.in

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: 28 hours
- Total Credits: 5
- Opening of registration process: 2nd June 2022
- Closing of Registration Process: 11th June 2022
- Mode of Registration: Offline
- Date for Commencement of the Course: 17th June 2022
- Closing date of the course: 24th 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,

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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. Isopleth 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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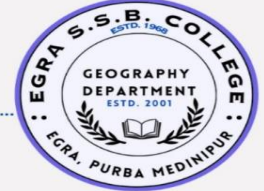
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CERTIFICATE COURSE: CARTOGRAPHY AND MAPPING

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. Isopleth 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.

H.O.D.

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		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	02	06
5	D.D.M (Mr. Debasish Dasmahapatra)	01	04	05
	Total	14	14	28

Note: The class schedule is inevitably subject to change

Course Co-ordinator



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PHOTOGRAPHS



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CERTIFICATE COURSE ON CARTOGRAPHY AND MAPPING EGRA SARADA SHASHI BHUSAN COLLEGE

REGISTER OF ATTENDANCE

Sl. No.	Roll No.	Name of the Student	Date and Signature											
			1	2	3	4	5	6	7	8	9	10	11	12
1.		Pradip Maity	1	2	3	4	5	6	7	8	9	10	11	12
2.		Biju Kan	1	2	3	4	5	6	7	8	9	10	11	12
3.		Chandana Bera	1	2	3	4	5	6	7	8	9	10	11	12
4.		Sudip Pramanik	1	2	3	4	5	6	7	8	9	10	11	12
5.		Bipad Bhanjan	1	2	3	4	5	6	7	8	9	10	11	12
6.		Khiliash Ghiri	1	2	3	4	5	6	7	8	9	10	11	12
7.		Supriya pradhan	1	2	3	4	5	6	7	8	9	10	11	12
8.		Somav Jana	1	2	3	4	5	6	7	8	9	10	11	12
9.		Priyanka Patra	1	2	3	4	5	6	7	8	9	10	11	12
10.		Milan Panti	1	2	3	4	5	6	7	8	9	10	11	12
11.		Susijita Bera	1	2	3	4	5	6	7	8	9	10	11	12
12.		Adarsha Sau	1	2	3	4	5	6	7	8	9	10	11	12
13.		Biswajit Barik	1	2	3	4	5	6	7	8	9	10	11	12
14.		Krishna Sau	1	2	3	4	5	6	7	8	9	10	11	12
15.		Moyra Barik	1	2	3	4	5	6	7	8	9	10	11	12
16.		Mousmita Samant	1	2	3	4	5	6	7	8	9	10	11	12
17.		Nandita Manna	1	2	3	4	5	6	7	8	9	10	11	12
18.		Payel Das	1	2	3	4	5	6	7	8	9	10	11	12
19.		Rajkumar Dolai	1	2	3	4	5	6	7	8	9	10	11	12
20.		Ramkrishna Jais	1	2	3	4	5	6	7	8	9	10	11	12
21.		Ratana Dey	1	2	3	4	5	6	7	8	9	10	11	12
22.		Ritika Bera	1	2	3	4	5	6	7	8	9	10	11	12
23.		Priyanka Rana	1	2	3	4	5	6	7	8	9	10	11	12
24.		Shreya Maity	1	2	3	4	5	6	7	8	9	10	11	12
25.		Mamata Manna	1	2	3	4	5	6	7	8	9	10	11	12

MAPPING EGRA SARADA SHASHI BHUSAN COLLEGE

REGISTER OF ATTENDANCE

Sl. No.	Roll No.	Name of the Student	Date and Signature																													
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1.		Pradip Maity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
2.		Biju Kan	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
3.		Chandana Bera	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4.		Sudip Pramanik	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
5.		Bipad Bhanjan	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
6.		Khiliash Ghiri	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
7.		Supriya pradhan	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
8.		Somav Jana	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
9.		Priyanka Patra	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
10.		Milan Panti	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
11.		Susijita Bera	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
12.		Adarsha Sau	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
13.		Biswajit Barik	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
14.		Krishna Sau	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
15.		Moyra Barik	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
16.		Mousmita Samant	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
17.		Nandita Manna	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
18.		Payel Das	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
19.		Rajkumar Dolai	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
20.		Ramkrishna Jais	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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22.		Ritika Bera	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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24.		Shreya Maity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
25.		Mamata Manna	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30