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 Phone No.: 03220-244073/245557

Departmental E-mail(s):

geographydept12345@gmail.com geography@egrassbcollege.ac.in egrassbgeodept@gmail.com Departmental Phone No.: 03220-245]10



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: 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

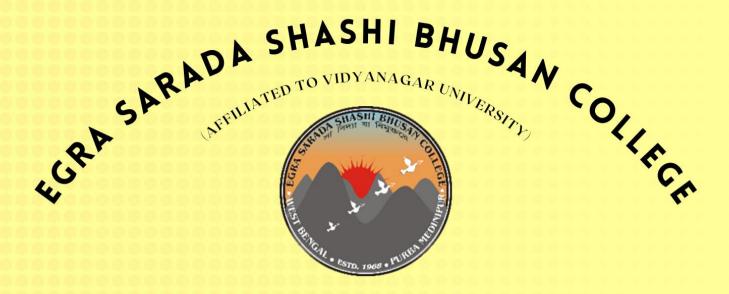
Mr. Ranjit Jana, SACT-II, Dept. of Geography, Egra SSB College

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,

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.



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.

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

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



CERTIFICATE COURSE: CARTOGRAPHY AND MAPPING

SYLLABUS DISTRIBUTION

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

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

ollege Website : www.egrassbcollege.ac.in

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

College Phone No.: 03220-244073/245557



geographydept12345@gmail.com geography@egrassbcollege.ac.in egrassbgeodept@gmail.com

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

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
	Total	14	16	30

Note: The class schedule is inevitably subject to change

Course Co-ordinator

Estd - 1968 *

H.O.D.

H.O.D.

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

PHOTOGRAPHS





LIST OF PARTICIPANTS

22 23

20 24

18 19 20

Ľ

-

4 22 23

17 18

20 21 22

6 19

116 17

20 21

\$

9 |

-

∞

Ñ

16 17

 23 24

BHUSAN COLLEGE	
E COURSE ON CARTOGRAPHY AND EGRA SARADA SHASHI REGISTER OF ATTENDANCE	
COURSE ON EGRA	
TEICATE	

OF STUDENTS

Of 20.

-	1	P	4	+	+	+	-	-	-	-	_	1	_	-	-	-	-	_		-		-	-				-
	1	A 2/2	E	15	5	7	,	13	_	7		7		17			•	15	18	31		9	17	8	П	1.6	,
to d	1	22 9	17	2		13	16	12		13		1	-	٠.		-	18	7.	17			7	18	17	16	15	17
For the Month of	1	意	7 12	2		12	7	=	7	5	7		16	*	13	7	17	13	10		15	2	15	16	Y	7.	
the	10	1	五五		7				I	=	4	13.	7	6	2	13	18	2	7		3	50	2	15	10	13	91 51
For	1	477	1 2	$\overline{}$	5	1.	1	0	2	0	5	2	7	-		4	10		7	15	3		3	4	3	2	14
	,	3	1 -	. 1	1	1	١ –		1 –	1 –	1 -	•	-	٠-	1 =	1 –	-	-	-	_	_		_		-	-1	
	_	10	, ,	,	1-	,	,	1.	1	,	1 4				-		1			T		made the		1 ~1		-	
II	-	新	5	-	=		=	0	12	6	1-	_		6 0	10	=	114	•	, 13	١ ١		-	7	13	7	0	5.
11	4	11/10	-	7	0	=	12	8	:	80	=	10	-13	•	6	10	13	,	11	81	11	12	`	7	=	01	17
Part	=	ula	€.	=	0	.6	=	~	·	T	5,	0	17	•	•	6	11		11	12	=	=	=	=	10	8	=
1	=	a P	0	-	00	0	10		=	9	6	000	=	4	`	80	=	01	10	11	9	9	₽	10	6	8	01
	P	Will Hoom	8	0	14	2	0		9	2	۵	-	2	9	,	•	0	6	ь	01	6	0	0	6	8	7	6
		100		8		1	∞	٥	σ	4	7	9	6	2	8	7	9	8	8	9	8	00	۵۵	8	7	9	8
	Sign	100 S	_	7	9	9	7	7	مو		6	2	8		7	9	8	7	7	8	7	6	_	1	9	5	1
	pie	No.	9	9	,	8	9	4	7			4	٢		9	2	7	9	9	7	9	0	4	ڡ	2		9
	afe	Se Se le	10		2	5		3	٩	3			9		5	7	9	5	7	و	5	2	S	5		5	
	7	Solo		(5)		3	,	7	۷.	2	S		N		4	3	B	4	5	2	4	4	4	_	7	3	8
	7		7	7	3	7	4	-	7	-	4		4	4			4		3	4	3		2	~	2	_	7
	١	調	60	0	2	-	0		3		3	3	3	3	3	7	3	3		3	7	8	7		7		3
	3	1	2	2	-		7		7		4	-1	7	7			7	2	7	4		7	-	7			2
	_	が	_	-			_		-		1	1 2	_	-	_	_	_	-	-	_	_	_		_	.		_
×	r	1-1			E	×		£	92	_	13	_	- к	7	ri,	-	Z.	*	90		7	3		_	2	4	n
(SEOGRAPHY	١	i i	With		Chandonalkam	Pramanik	'an	16 Giri	prodhan	Jana	Priyanka Pahan	Publ.	Bena	Sau	Barik	Sau	Barik	Mourrita Smant	Manna	Das	Rajkuman Dolan	Ramkeriobna Jam	DRY	Bena	Sa.	Mait	Manna
8	l	Name of the Student	7	Kan	2	200	han	D	DIA	13	7 4	2			7		B	Cè.	~	3	22	hne	7	00	- 1		
95	١	ŝ	0	\times	9	0	8	4	a	-	240	4	ta	pho	dil	20	2	1,0	p	_	a	.0	4	~	22	0	ta
0	ı	2	3	1 3	20	.9	8	P	in	av	10	2	111	326	343	18	Š	2	7	10	.ku	X	to	×	2	67	3
5	ı	Ž	Pradio	Bin	20	Sudio	Bipad	Khitish	Supriya	Soumar	5	Milan	Sugajita	Adanoha	Biowailt	Knibbna	Moyna	100	Nanolita	Payel	18	30	Raton	Ritika	Priyanka	Shreya	Mamata
	H		12		<u> </u>	()	0	X	S	S	,	<	S	1	7	`		7	>		~	Q		4	7	S.	\preceq
	1	Roll No.													-												
ect.	L	&																									
Subject	1	i ó	-	5	i,	4.	3		7.	8	6	10.	::	12.	13-	14.	15.	.9/	7	8	19:	20.	2/5	22,	23.	. 42	35.
-,	I		1	I	I	1	I			-	۷ ا	-	-	-	- 1	-	5	7	1	-	2	2	ल	N	NI.	210	Y



21 22 23

18 19

. 77

.00

2223 24

4 26 27

21 22

21 2223 24

L

Egra S.S.B. College Egra + Purba Medinipur

LIST OF PARTICIPANTS

č																							
BHUSAN COLLEGE OF STUDENTS Forthe Month of Little 6/2022 - 24/06/2022	2. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	11 12 13 14 15 15 17 18 19 20 21 22 23 29	. 15 16 17 18 . 20 .	15 16 17 18 19 21 21	14 by 12 18 19 24 kl	19 20 24 22 23 24,	13 14 15 16 17 18 19 2021 92	15 16.17 18 19 20 4 21		14 15/16 17 18 19 20 24 22 23 24 25/26	12 13 14 15 ' 16 17 18 19 20 21	1 16 17 18 19 20 . 24 22	14 15 16 17 18 19 20 4 . 2223 24	12 13 14 15 16 17 18 19 20 21 22 23 24	14 15 16 17 18 19 20 22 23 24 25 26								Depti of Geography Egra S. S. B. College
EGRA SARADA SHASHI REGISTER OF ATTENDANCE	Name of the Student	9	0 × · · · 2 3 4 5 6 · · · ·	11 27 8 4 5 6 7 8 9 10 11	a Duty 1 Dr 3 4 5 67 89	Briket Manna 9 2 3 45 6 7 8 9 10 11 12 13 14	Asijit Day 1 2 4 45 6 7 10 11 20 - 12	Himadri Gin 1 2 3 4 5 67 9 10 11 12.	Jal. Bena 121 345678910.	Moumita School 12 3 4 5 6 7 8 9 10 11 12 13	Prakowh Gir, 12 3 45 6 7 8 9 10 11.	Pravenjit Day 1 1 2 3 4 5 6 7 8 9 10 11 12 13	Rahul Radhan 1234567891011213	Rakhi Dave Adding: 123. 456. 789 1011	Rimpa Roy (12. 3 45., 8 9 10 11 12 13								Egra S.S.B. dollege Egra Purba Medinipur
Subject	Si. No.	26.	27.	-85	29.	30.	3/.	32.	33,	34.	35.	36.	37.		39.	+	+	+	+	-			