

1. **Name of the department :** **GEOGRAPHY**
2. **Year of Establishment :** Under Graduate Pass Course on 2001
Under Graduate Honours Course on 2002
Post Graduate Course on 2014
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :**
 - Undergraduate
 - Post Graduate in Regular Mode
 - Post Graduate in Distance Mode
4. **Names of Interdisciplinary courses and the departments/units involved:**

Zoology, Botany, Computer Science, Chemistry, Commerce, Economics, History departments are involved in teaching interdisciplinary topics in Post Graduate course
5. **Annual/ semester/choice based credit system (programme wise) :**
 - Annual at UG level
 - Semester at PG level
6. **Participation of the department in the courses offered by other departments:**

Departmental faculty takes compulsory Environmental Science classes of all other Departments.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc:**

PG in Distance Mode under Vidyasagar University
8. **Details of courses / programmes discontinued (if any) with reasons :** None

9. Number of Teaching posts:

	Sanctioned	Filled
Professors Associate	0	0
Professors	0	0
Asst. Professors	3 (1 frozen)	2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prashasti Bhattacharyya	M.Sc. in Geography	Assistant Professor, Head of the Dept.	Environmental Geography	8	NA
Dr. Arpita Bhattacharjee	PhD, M.Sc. in Geography	Assistant Professor	Agricultural Geography	10	NA
Rituparna Hajra	M.Sc. in Geography	Contractual Whole time (Govt. approved)	Population Geography	5	NA
Dr. Debasmitta Ghosh	PhD, M.Sc. in Geography	Contractual Whole time	Regional Planning	6 months	NA
Satabdi Das	M.Sc. in Geography	Contractual Whole time	Environmental Geography	6 months	NA
Sumana Ghatak	M.Sc. in Geography	Permanent Part-time (Govt. approved)	Geomorphology	7	NA
Angana Basu		Guest Lecturer	Population	4	NA

	M.Sc. in Geography		Geography		
Sangita Paul	M.Sc. in Geography	Guest Lecturer	Regional Planning	3.5	NA
Soma Sarkhel	M.Sc. in Geography	Guest Lecturer	Environmental Geography	6 months	NA

11. List of senior visiting faculty:

Senior visiting faculty for PG Section:

- Prof. Apurba Rabi Ghosh, eminent Cartographer and Retired Professor, University of Calcutta
- Prof. Malay Mukhopadhyay, Professor, Dept. of Geography, Viswabharati University
- Prof. Saswati Mookherjee, Professor, Dept. of Geography, Lady Brabourne College
- Prof. Lakshmi Shivaramakrishnan, Professor, Dept. of Geography, University of Burdwan
- Prof. Sunando Bandopadhyay, Professor, Dept. of Geography, University of Calcutta
- Prof. Uttam Mukhopadhyay, Professor, Dept. of Geography, Vidyasagar College
- Dr. Asit Sarkar, NATMO
- Prof. Snehamanju Basu, Professor, Dept. of Geography, Lady Brabourne College
- Prof. Pranam Dhar, Professor, Dept. of Commerce, West Bengal State University.

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

UG (Hons.)		UG (Pass)		PG	
% of lectures delivered	% of practical classes handled	% of lectures delivered	% of practical classes handled	% of lectures delivered	% of practical classes handled
73.26 %	61.54 %	63.16%	60%	46.67%	0

13. Student -Teacher Ratio (programme wise) :

- Undergraduate - 7 : 1
- Postgraduate – 3 : 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

- EXISTING LAB ATTENDANTS: 2 (Casual)
- SANCTIONED : 2
- FILLED : 0

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

Teachers with	Number
DSc	0
DLitt	0
PhD	2
MPhil	0
PG	7
Total number of Teachers	9

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

- One faculty with Minor Research Project under National funding agency, Grant of Rs. 2,60,000/-

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Name of Faculty	Funding Agency	Topic	Grant received (Rs.)	Year	Status
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Prashasti Bhattacharyya	UGC	Analysis of the Changing Environment & Livability of South Kolkata, the Once Fringe Areas	2,60,000/-	2014 -15	Ongoing
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18. **Research Centre /facility recognized by the University :** Nil

19. **Publications:**

A. Prashasti Bhattacharyya

1. Prashasti Bhattacharyya, A Brief Appraisal of Transforming Living Space of South Kolkata, *The International Journal of Humanities & Social Science*, April Issue, 2014. [ISSN 2321-9203; IF: 0.587]
2. Prashasti Bhattacharyya, Crimescape Analysis of Kolkata, the City of Joy, *International Journal of Innovative Research & Development*, Vol. 3, Issue 4, March, 2014. [ISSN: 2278 – 0211; IC Value: 6.19]
3. Prashasti Bhattacharyya, A Geographical Perusal of Deviance in Kolkata, Abstract in Pre-Seminar Proceeding Volume and Paper in Post–Seminar Proceeding Volume of *National Seminar on Contemporary Research in Geography*, 14th- 15th March, 2014
4. Prashasti Bhattacharyya and Sumana Ghatak, A Transforming City and its Changing State of Environmental Wellbeing: A Special Emphasis on South Kolkata; Abstract in Pre-Seminar Proceeding Volume and Paper in Post –Seminar Proceeding Volume of UGC sponsored *State-level Seminar on Geographical Appraisal of the City of Joy’s Environmental Wellbeing* , 2012, Kolkata.
5. The Crime Component of Kolkata’s Social Environment: A Brief Study, Asian Studies, Vol.XXV, June-December 2007, pg.47-69, *Netaji Institute for Asian Studies*, Kolkata.

B. Dr. Arpita Bhattacharjee:

1. “The World Trade Organization (WTO) and Developing countries: A Fact File in Brief”, Proceeding Vol-I, pg 14-20, International Conference on Globalization and sustainable Development: Perspective of Digital Revolution and Environmental Management. August 23-25, 2002.
2. “The impact of climatogenetic Zones and Pedogeomorphic surfaces on landuse pattern in a Profile section of Godavari-Mahanandi Basin”, XXV Indian Geography Congress, National

Association of Geographers, India, Dec 27-29, 2003.

3. "Geomorphological Appraisal of Upper Wunna Watershed, Nagpur district, Maharashtra", Indian Journal of Landscape systems and Ecological studies, Institute of Landscape, Ecology, and Ekistics, Volume:- 2 pg 97-102, 2006 June [ISSN NO. 0971-4170].
4. "Land resource and management, sustainable development through agriculture in the 21st century", proceeding volume of UGC sponsored National Seminar on Sustainable development: An interdisciplinary approach, Sept. 23-24, 2011, pg 30-38.
5. "Climate change and threat to environment: Problems and Prospects of sustainable water management", proceeding volume of UGC sponsored State level Seminar on Environmental Degradation and Strategies for conservation and management, Nov. 24-25, 2011, pg 56-61.
6. "Climate change and Eco-tourism- a strategy for nature conservation", proceeding volume of UGC Sponsored National Seminar on changing Environmental Scenario of Indian Subcontinent: A Geographical Appraisal, Nov. 25 -26th, 2011, Pg- 61-67.
7. "Solar UV radiation and global climate change: interactive effects on Biogeochemical cycling", UGC Sponsored National Level Seminar on Education for Sustainable Development in 21st century, Oct – 4 –5th, 2012, pg- 231-238.

C. Rituparna Hajra

Journals:

1. **Hajra, R.** and Ghosh, T. (2014). Formulation of Methodological Approach for Sustainable Tourism Using 'GSTC' Criteria: A Case Study of Sagar Island, India. *International Journal of Innovative Research & Development*, Vol 3, Issue 1, p. 305-309. [ISSN: 2278 – 0211; IC Value: 6.19]
2. **Hajra, R.**, Mitra, R., Ghosh, T., (2014). Assessing the Indicator Based Sustainability: A Pragmatic Approach. *The International Journal Of Humanities & Social Studies Vol 2, Issue 1, p. 39-43.* [ISSN 2321 – 9203; IF: 0.587]
3. **Hajra, R.**, Mitra, R., and Ghosh, T. (2012). Impact of *Gangasagar Mela* on Sustainability of *Sagar Island*, West Bengal, India. *International Journal of Research in Chemistry and Environment*, Vol. 2, Issue 1, pp. 140-144 [ISSN 2248-9649].[IC Value (2012) - 5.35]

Book Chapter:

1. Ghosh, T., **Hajra, R.** and Mukhopadhyay, A. (2014). Island Erosion and Afflicted Population: Crisis and Policies to Handle Climate Change. In: *International Perspectives on Climate Change: Latin America and Beyond*. Ed: Filho Leal, Fátima Alves, Sandra Caeiro and Ulisses Azeiteiro, IX, 217-226, Springer. [ISBN 978-3-319-04488-0]

Papers in Proceedings and Edited Volumes:

1. **Hajra, R.**, Mukhopadhyay, A., Huq, H., Rahman, Md, R. and Ghosh, T. (2013). Crisis and Policy for the Environmental Refugees in Ghoramara Island (India). *4th International Conference on Water and Flood Management, ICWFM-2013, 9-11 March 2013. Institute of Water and Flood Management, BUET, Dhaka, Bangladesh. Vol. 2, pp. 459- 465. [ISBN: 978-984-33-7310-6].*
2. **Hajra, R.**, Mitra, R., Ghosh T.,[2011] Pollution Potential of Annual Religious Gathering of Sagar Island and The Issue of Coastal Sustainability, *Proceedings of National Seminar on Advances in Environmental Science and Technology, Kolkata, 5th & 6th February, 2011.* 106- 111.
3. **Hajra, R.**, Das, D.,(2009) Impact of conversion of Agricultural Land into Fisheries, Sarberia- Agarhati Gram Panchayat, North 24 Parganas ,*Journal of Indian National Cartographic Association, Volume 29, 2009, pp. 342- 349.*

Paper Presented in Conference

1. **Hajra, R.**, Mitra R., Ghosh T.,[2012] Socio-economic variability and sustainability of Sagar Island, West Bengal, *National Conference on Integrated Coastal Zone Management (ICZM-12), February 24-25, 2012*, Department of Marine Sciences, Berhampur University, Berhampur- 760007, Odisha.

Abstract Accepted in Journal

1. **Hajra, R.**, Szabo, S., Ghosh, T., Matthews, Z. and Foufoula-Georgiou, E. (2015). Abstract submitted to special issue ‘sustainable deltas: livelihoods, ecosystem services and policy implications’ of *Sustainability Science* January 2015, Volume 10, Issue 1.

Abstract Submitted to Conferences

Hajra, R. and Ghosh, T. (2015). ‘Migration as Adaptation’ for the vulnerable Agricultural Community of Sagar Island, India. Abstract submitted to *21st International Symposium on Society and Resource Management (ISSRM 2015)*, Charleston, South Carolina, USA.

D. Dr. Debasmita Ghosh

Journal:

- 1) Debasmita Ghosh. “Child Labours in West Bengal: A Spatio-Temporal Analysis.” **Geographical Review of India**, Volume 70; Number 1; March 2008; pp71-79.
- 2) Debasmita Ghosh, Sanyukta Roy. “Micro-level Study about a Buddhist Agglomeration- A Case Study of Maheshtala Municipality, 24 Paraganas (south).” **Indian Journal of Landscape Systems and Ecological Studies**, Volume 33; Number 2; December 2010; pp679-684.

Paper Presented:

- 1) Debasmita Ghosh, “Sex Disparity of Child labour in West Bengal”, International Conference on Environment, Resource and Regional Development, Burdwan, India, 8th and 9th March, 2010; pp20.
- 2) Debasmita Ghosh, “Occupational Disparity of Child labour Between Rural and Urban areas of West Bengal”, National Seminar on Applied Geography: Issues and techniques, 14-15 January, 2011.
- 3) Debasmita Ghosh, “Educational Profile of Child Labour in West Bengal”, UGC Sponsored National Level Seminar on Resource Management and Sustainable Development, 23-24 September, 2011.
- 4) Debasmita Ghosh, “Poverty and Dropout – The Sorrow States of Child Labourers in India”, National Association of Geographers, India(NAGI), 33rd Indian Geography Congress, 11-13 November, 2011.
- 5) Debasmita Ghosh, “The Quest for Food : A Critical Appraisal of Various Occupations of Working Children – West Bengal”, UGC Sponsored National Level Seminar on Changing Environmental Scenario of Indian Sub-Continent: A Geographical Appraisal, 25-26 November, 2011.

E. Satabdi Das

1. A Study on Trend of Air Quality in Some Industrial Cities of West Bengal; in proceedings of International Seminar On Environmental Perspectives And Resource Management 19th-20th December, 2014, organised by Institute Of Landscape Ecology And Ekistics, Kolkata, 2014. ISBN: 978-81-928047-4-3

20. Areas of consultancy and income generated:

- Prashasti Bhattacharyya, Assistant Professor is acting as a consultant on honorary basis in Santi Infotech, 41 Hem Chandra Naskar Road, Kolkata- 700010 from July, 2014. The Company deals with GIS solutions and application development.

21. Faculty as members in a) National Committees b) International Committees c) Editorial Boards....

A. Prashasti Bhattacharyya : Two National Committees

1. Geographical Society of India
2. Institute of Landscape, Ecology and Ekistics

B. Dr. Arpita Bhattacharjee : Four National Committees

1. National Association of Geographers
2. Indian Institute of Geographers
3. Indian Institute of Geomorphologists
4. Institute of Landscape, Ecology and Ekistics

C. Dr. Debasmita Ghosh : One National Committee

1. Geographical Society of India

22. Student projects:

a. Percentage of students who have done in-house projects including inter departmental/programme :

- **100 % of students** are every year engaged in in-house field work based projects incorporated in their UG course of study.

Year	Location of Field-based Project work
2014	Nainital, Uttarakhand (3 rd Yr. Hons.)
2013	Ooty-Kodaikanal, Tamil Nadu (3 rd Yr. Hons.)
2012	Dalhousie, Himachal Pradesh (3 rd Yr. Hons.)
2011	Vasco-Panjim, Goa (3 rd Yr. Hons.)
2010	Namchi-Rabangla, Sikkim (3 rd Yr. Hons.)
2014	Pujali, S 24 Parganas (2 nd Yr. Gen)
2013	Harindanga, S 24 Parganas (2 nd Yr. Gen)
2012	Digha, Medinipur (2 nd Yr. Gen)
2011	Bakrahat, S 24 Parganas (2 nd Yr. Gen)
2010	Digha, Medinipur (2 nd Yr. Gen)

- 21 % (12) students of UG course were involved in a voluntary field work based project on the effects of Phailin in Gopalpur, Odisha in 2012.

b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories / Industry / other agencies : Not yet

23. Awards / Recognitions received by faculty and students:

AWARDS:

Faculty:

- Debasmita Ghosh : PhD. awarded in 2014 from University of Calcutta on the topic “Socio-economic Appraisal of Child Labour- A Case Study of Kolkata”
- Rituparna Hajra : Awarded with Certificate of Excellence and Silver Medal as National Winner in Rio+ 20 India Program, Short Term Course in Sustainable Development.

Students:

- Rohit Bhattacharya, 3rd Year Hons. student was awarded 1st prize for the project based Poster “Coping with a Severe Cyclone at Gopalpur, Odisha, in the Under Graduate level Science Poster Competition of Kolkata District Student-Youth Science Fair, 2014, organised by Youth Services Department, Govt. of West Bengal in collaboration with School Education Department, Higher Education Department, W.B.State Council of Science & Technology, Govt. of West Bengal & Birla Industrial & Technological Museum.

24. List of eminent academicians and scientists /visitors to the department:

Academicians / Scientists / Visitors as resource person and felicitated in 2012 on the occasion of Seminar :

- Sri Partha Chatterjee, Hon’ble Minister-in-charge, Industry, Commerce, Information Technology, Government of West Bengal.
- Dr. Abhirup Sarkar, Professor, Indian Statistical Institute, Kolkata and President of the then Governing Body, Sarsuna College, Kolkata.
- Dr. Dipankar Chakroborty, Director, The School of Environmental Studies, Jadavpur University.
- Dr. Arun Kanti Biswas, Former Head and Deputy Director, NEERI, Kolkata.
- Dr. Kalyan Rudra, Chairman, West Bengal Wasteland Development Corporation.
- Sri Devendra Pradhan, DDGM, Regional Meteorological Centre, Alipore, Kolkata.
- Ganesh Kumar Das, Scientist, Regional Meteorological Center, Alipore, Kolkata.
- Dr Dipak Chakroborty, Former Chief Scientist, West Bengal Pollution Control Board.
- Sri Jayanto Basu, Department of Environmental Science, University of Calcutta and Director of ENGIO Organisation, Kolkata.
- Sri Tapan Saha, Senior Scientist, Institute of Environmental Studies & wetland Management, Department of Environment, Govt. Of West Bengal.
- Dr. Chitta Ranjan Pathak, Former Professor, Department of Architecture and Regional Planning, IIT, Kharagpur.

- Dr. Ranjan Basu, Professor, Department of Geography, University of Calcutta.
- Dr. Sukla Bhaduri, Professor, Department of Geography, University of Calcutta.
- Dr. Joy Sen, Associate Professor, Department of Architecture & Regional Planning & RCG School of Infrastructure Design and Management, IIT Kharagpur.
- Dr. Priyotosh Dutta, Associate Professor, Department of Chemistry, Anandomohan College. Kolkata.
- Smt Sanchita Mondal, (Member, Mayor-in-Council, Environment and Welfare Services)
- Sri Nilangshu Bhusan Basu, Principal Chief Engineer (Civil) & Chief Municipal Engineer (Planning Development), KMC.
- Dr. Malay Mukhopadhyay, Head, Department of Geography, Visva Bharati University.
- Dr Debashis Basu, MD, President, Diabetes Awareness and You.
- Dr Aniruddha Mukhopadhyay, Head, Department of Environmental Science, University of Calcutta.
- Dr. Lakshmi Sivaramakrishnan, Associate Professor, Department of Geography, University of Burdwan.
- Dr. Annapurna Shaw, Professor, Public Policy & Management, IIM, Joka.
- Sri Basudeb Bhatta, Sr. Systems Engineer, Computer Aided Design Centre, Computer Science and Engineering Department, Jadavpur University.
- Sri Tapas Ghatak, Geophysicist, Former Director and in-charge, Environment Cell, KMDA, Govt of WB; Sr. Consultant UNICEF, World Bank, DFID
- Sri Vivek Bharadwaj, IAS and CEO, Kolkata Metropolitan Development Authority.

Academicians invited or to be invited to take classes/guest lectures or other administration-related purpose in PG Section of the Dept. :

- Prof. Subhas Ch. Mukhopadhyay, eminent Geomorphologist and Retired Professor, University of Calcutta
- Prof. Himangshu Ranjan Betal, eminent Cartographer and Retired Professor, University of Calcutta
- Prof. Apurba Rabi Ghosh, eminent Cartographer and Retired Professor, University of Calcutta
- Prof. Sunando Bandopadhyay, Professor, Dept. of Geography, University of Calcutta.
- Prof. Lakshminarayan Satpati, Associate Professor, Dept. of Geography, University of Calcutta.
- Prof. Sutapa Chaudhuri, Professor, Centre of Atmospheric Sciences, University of Calcutta.
- Prof. Subrata Kumar Midya, Professor, Centre of Atmospheric Sciences, University of Calcutta.
- Prof. Jayanta Bandopadhyay, Eminent environmentalist and Retired Professor, IIM Joka.
- Prof. Joy Sen, Department of Architecture and Regional Planning, IIT, Kharagpur.
- Prof. Lakshmi Shivaramakrishnan, Professor, Dept. of Geography, University of Burdwan
- Prof. Malay Mukhopadhyay, Professor, Dept. of Geography, Viswabharati University
- Prof. Kalyan Rudra, Chairman, West Bengal Pollution Control Board.
- Prof. Asit Sarkar, NATMO
- Dr. Devendra Pradhan, DDGM, Alipur Meteorological Office.

- Prof. Anindita Ghosh, Professor, Dept. of Geography, Vidyasagar College
- Prof. Uttam Mukhopadhyay, Professor, Dept. of Geography, Vidyasagar College
- Prof. Saswati Mookherjee, Professor, Dept. of Geography, Lady Brabourne College.
- Prof. Snehamanju Basu, Professor, Dept. of Geography, Lady Brabourne College
- Prof. Pranam Dhar, Professor, Dept. of Commerce, West Bengal State University.
- Prof. Subhamita Chowdhury, Dept. of Geography, West Bengal State University.

25. Seminars/ Conferences/Workshops organized & the source of funding:

- One UGC Sponsored State Level Seminar on *“Geographical Appraisal of the City of Joy’s Environmental Well-being”* was organised by the **Department of Geography, Sarsuna College** in collaboration with **Kolkata Municipal Corporation** and **Computer Aided Design (CAD) Centre of Jadavpur University** on 17th & 18th January, 2012 at the Town Hall, Kolkata.

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
UG Geog. Hons.	450	415	22	34	100% (pass out of 2014)
UG GEN.			99		72.73%
PG in Geog.	146 (2014)	146	9	11	Not yet

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UG Geog. Hons.	99%	1%	0
PG in Geog.	100%	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

Competitive Examination	No. of successful students (2008 – 2014)
NET (UGC / CSR)	6
SET	2
Civil Services	2
Banking	2
SSC/TET	15
Other Govt. Service	7
Airlines, Navy, Police, Technical	10

29. Student progression

Student progression	Against % enrolled	
	Pass out year	Percent
UG to PG	2014	39.29
	2013	10.91
	2012	21.82
	2011	27.27

	2010	23.64
PG to M.Phil.	0	
PG to Ph.D.	0	
Ph.D. to Post-Doctoral	0	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	2	Mostly all
Entrepreneurship/Self-employment	Many	

30. Details of Infrastructural facilities:

Library	No. of Laboratories : 5		Internet facilities for Staff & Students	Class rooms with ICT facility
	Equipments in concerned subject			
	Name of Equipment	Numbers		
1. Main College Library with both reading and lending facilities 2. Seminar Library with both reading and lending facilities	<u>GIS LAB EQUIPMENTS & SOFTWARES</u>		Wifi networking in all classrooms and laboratories of the Department	5
	1. Computers (Desktop)	35		
	2. Laptop	2		
	3. GIS Software : 21 st Century	6 users		
	4. GIS Software: MapInfo Professional	GRANT SANCTIONED IN FINANCIAL YEAR 2014-15. FUND NOT YET DISBURSED.		
	5. GIS Software: ERDAS IMAGINE Edukit			
	6. GIS Software: ArcGis Master Lab Kit V10.3			
	7. Geomatica			
	8. Coloured Printer	2		
	9. A4 Scanner & A4 Portable Scanner	2		
	10. A3 Scanner	1		
	<u>TEACHING AIDS</u>			
	11. DTU Interactive Pen Display/ Teaching Aid	1		
	12. LCD Projector & Electronic Screen	3 , E.Screen 2		
	13. Overhead Projector & Screen	1		
	<u>SURVEYING & OTHER EQUIPMENTS</u>			
	14. Garmin GPS	2		
15. Dumpy Level & Accessories	8 sets			
16. Prismatic Compass & Accessories	6 sets			
17. Theodolite & Accessories	2 sets			

18. Altimeter	2	
19. Clinometer	2	
20. Abney level	2	
21. Planimeter	2	
22. Rotameter	9	
23. Mirror stereoscope	4	
24. Pocket stereoscope	6	
<u>MAPS, PHOTOS & IMAGES</u>		
25. Air Photos (3photo sets)	4 x 10copies=40	
26. Satellite imagery (1:50,000)	2 x 10copies=20	
	1 x 9copies= 9	
	6 x 1 copy=6	
	Total - 35copies	
27. Topographical Maps	18 maps(Total copies=410)	
<u>ROCKS & MINERALS</u>		
All other drawing & measuring instruments, accessories		

31. Number of students receiving financial assistance from college, university, government or other agencies

- Government's Backward Caste Scholarship :
24 Male Geog. Hons. students
38 Female Geog. Hons. students (2013-14 session)
- Minority Scholarship : 2 Geog. Hons. students (2013-14 session)

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

SEMINAR :

One UGC Sponsored State Level Seminar on "*Geographical Appraisal of the City of Joy's Environmental Well-being*" was organised by the **Department of Geography, Sarsuna College** in collaboration with **Kolkata Municipal Corporation** and **Computer Aided Design (CAD) Centre of Jadavpur University** on 17th & 18th January, 2012 at the Town Hall, Kolkata.

Eminent resource persons including honourable Minister Sri Partha Chattopadhyay , the Mayor and other MICs, academicians from different allied disciplines and from different universities and institutes like IIT Kharagpur and IIM Joka, Alipur Meteorological Department, experts, administrators and bureaucrats from KMC, KMDA, Pollution Control

Board, West Bengal Wasteland Development Corporation, Institute of Environmental Studies and Wetland Management, technical experts from NATMO, CAD Centre etc, doctor delivered valuable lectures and engaged in debates with participating teachers and students who came from nearly every college of the city. All departmental students and some others also actively participated in the seminar.

The seminar was attended by 364 participants of whom 28 were resource persons and 44 papers were submitted, some presented and all published in the proceeding volume.

The Seminar gave us new avenues to collaborate with different prestigious institutes and thereby further our aim to make this college a dynamic centre of higher education with an emphasis on interdisciplinary and technical knowledge development. A highly technocentric GIS laboratory was henceforth been proposed and is nearing completion under the funding of Bidhayak Elaka Unnayan Prokalpo (BEUP) so that the College can deliver sound technical knowledge and prepare students for the technical job market.

SPECIAL LECTURES:

- Special lecture by Dr. Malay Mukhopadhyay, Professor, Dept. of Geography, Viswabharati University on 12th November, 2014 on “Application of Geomorphology in feasibility of engineering and industrial projects: A Geomorphic approach to hazard studies.”. Post Graduate students and Third Year Hons. students were the listeners and they benefitted a lot by the lecture and the discussion following it.
- Special lecture by Sri Subhamoy Chatterjee, Permanent Part-time Faculty, Dept. of Botany, Sarsuna College on 14th November, 2014 on “ Forest & Biodiversity Conservation in India”. Post Graduate students and Third Year Hons. students were the listeners.
- Special lecture by Dr. Saswati Mookherjee, Professor, Dept. of Geography, Lady Brabourne College on 18th November, 2014 on “ The Development of Indian Geography and Recent Trends”. Post Graduate students and Third Year Hons. students were the listeners.
- Special lecture by Dr. Pranam Dhar, Professor, Dept. of Commerce, West Bengal State University on 9th December, 2014 on “ Globalisation, WTO and Indian Economy”. Post Graduate students and First Year, Third Year Hons. students were the listeners.

33. Teaching methods adopted to improve student learning:

- Chalk and talk / black board based teaching
- ICT based teaching
- Group study and collaborative learning
- Home and open book assignments
- Students' seminar
- Students' group discussion
- Students' quiz and debates
- Field work and surveys

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities:

- Students and teachers of the Dept. participated in programmes arranged by NSS :
 - Blood Donation Camp,
 - Thalassemia Testing Camp,
 - Cleaning of neighbourhood,
 - Gardening

- Prashasti Bhattacharyya, Assistant Professor of the Dept. is a member of the college NSS Committee.

35. SWOC analysis of the department and Future plans

STRENGTHS :

1. The Department has **dedicated teachers** who emphasise on good inter-personal relationship and teacher-student relationship with a priority always on the students and their academic enhancement with rendering them all types of assistance.
2. The Department maintains a **very disciplined educational environment with regularity of the teaching-learning process** and have identified the needs of

making continuous formative assessment of students.

- Teachers take **extra classes during slack session** to compensate for classes lost and specially to help students practice practical topics better.
 - The department have introduced a formal mechanism of conducting an **admission/ aptitude tests** for both UG and PG courses and **profile mapping exercises** are given to identify the diversity amongst students.
 - Teachers make use of **web resources** to provide better learning resources to both UG and PG learners.
 - The department also provides **academic plans** with question banks, instructional note sheets and maintains continuous internal assessment.
 - The department maintains a **sound database of all student groups** so that all information can be communicated at ease and through SMS communication.
 - **Course allocation** is made amongst the teachers within the department. **Lesson plan** is prepared by each teacher in the respective portions of their allotted syllabus by way of i) Modularization of the syllabus; ii) Month wise teaching plan; iii) Internal Assessment plan.
 - The Department aims at improving teaching-learning process by **identifying the diverse needs of the students and evolving strategies** for catering diverse needs. We aim at adoption of learner centric learning strategies and exploring the multiple intelligences
 - We also encourage different **methods other than classroom teaching** i.e. group discussion, student seminar, term paper preparation and preparing departmental wall magazine, etc.
 - Even after completion of regular classes and after their Test Examination, the students are allowed to make use of laboratory equipments for preparation of final examination.
 - We practice a **regular communication of the faculty with students and their guardians** to share about improvement status, problems and prospects of students through the arrangement of meetings.
3. We are in the process of **constantly improving our already excellent infrastructure**, i.e. laboratories and classrooms so that they are always sufficient and even more with respect to the needs. Teaching learning process is made easy, interesting and acceptable by the **use of the Interactive Teaching Aid and projector, laptop, Wi-Fi facilities in all the classrooms and laboratories** of the Department.
4. We are already concentrating on technocentric aspect of the subject and hence the development of a very modern and **well equipped Geographical Information System laboratory**.

5. The Department **counsels the students** at the time of admission to guide them about the prospect of the subject. **Classroom related academic counseling** is always provided by the teachers by way of providing individualistic attention. Outside classroom counselling, **personal counseling** is also provided by teachers, as students personally visit faculty members seeking guidance for their personal problems. Teachers offer **mentoring services** to students after college hours whereby they guide them on their personal or social concern.
6. Teachers have access to **Open Book Resource** through INFLIBNET. Teachers also provide reading materials from online sources like e-books and journals.
7. The Department enjoys a **very good reputation** and hence a **constant high demand for admission**. In spite of stiff competition from other colleges, admission is on the rise in UG level in the college. The first admission in PG course also saw a considerable demand for entry into the course with applications coming from students all over Kolkata and surrounding districts.
8. The **introduction of Post Graduate Section** of the Department in 2014 here in this peripheral part of the city adds to the strengths of the Department. It may be added that in Kolkata the number of seats in post-graduate studies in Geography taking into consideration all centres of learning giving this opportunity is far less than students succeeding with good results in UG level, especially for male students.
9. The **course fee of Post Graduation** in this College have been kept the **minimum** amongst such self-financed courses in the subject in other institutions. Besides it has been fixed that 2 financially challenged meritorious students out of 20 students will be given **financial concessions**.
10. Here persists a **strong interdisciplinary acceptance in the teaching-learning process**. The department is already inviting academicians and experts of the special areas of the subject from other departments of the College and even eminent professors of the subject and allied subjects from different colleges, universities and other centres of learning for special lectures. Mutual exchange of teaching and knowledge is highly being encouraged and practiced on regular basis.
11. We ascribe extreme **importance to field-based teaching** of the subject and applying methods learnt in geographical appraisal of different areas of the country.

WEAKNESSES :

1. **Sanctioned posts** for **more teaching and laboratory attendant** will help maintaining overall efficiency in every aspect with rising student numbers.
2. A large student group in each class is sometimes striking with **academic and socio-economic diversity** making the **maintenance of quality difficult**. **Vernacular mode of studying** being more prevalent amongst the students studying in this college limits them in understanding and accepting quality study material.
3. There is very **little time** available after the completion of the syllabus oriented teaching-learning **to involve in extension activities** and other career advancement related activities.
4. **Financial stress** of a section of students and absence of institutional assistance prevent regular trips and field-based teaching of this very much field oriented subject. A single field trip in a 3 Year Course as per the University syllabus is highly regarded as insufficient.
5. The College or the Department has not yet established collaboration and networking with industry and research organization for lab sharing, collaborative research etc.

OPPORTUNITY :

1. Rejuvenating existing infrastructure with expensive modern GIS and Remote sensing softwares and lab equipments will be made possible with the **availability of funds from different State and National agencies**, always made available at application.
2. There is **timely recommendation of contractual and guest teachers and non-teaching staff** in this college as and when required and suggested by approving authorities.
3. Although there is compulsion to totally follow UG syllabus formulated by the affiliating university, there is the **opportunity to formulate new syllabus, make necessary alterations and diversifying in techniques** in near future **for Post Graduate Section** as academic autonomy is provided by the affiliating university.
4. The department is fortunate enough to **invite academicians and experts of the special areas of the subject and allied subjects** from different colleges, universities and other centres of learning for special lectures. The college have already accepted suggestions and made communications with institutions like departments of Geography and allied departments of the Universities of Calcutta,

Burdwan, Viswabharati, Jadavpur, Lady Brabourne College, IIM Joka, etc. for faculty exchange specially for Post Graduate Section.

5. There is **scope for departmental seminars** involving debates and communication between scholars and students forming an interface that will supplement regular teaching and discover avenues of higher education and research.
6. We always had a **high propensity towards the increased use of technology** in the subject and guiding the students to learn the technical methods and diversify their career avenues. We are fortunate enough to receive large funds to develop our laboratories for the purpose.
7. The faculty members hope to be engaged into UGC minor and major **projects in relevant topics** that will add to the dimensions of practicable teaching and also involve aspiring students. There are also valuable suggestions from resource persons who came to this college during UGC Sponsored State Level Seminar on Geographical Appraisal of the City of Joy's Environmental Wellbeing organised by the department in collaboration with Kolkata Metropolitan Corporation and CAD Centre of JU that we may enter into collaborative projects with administrative organisations like KMC, KMDA etc. once we have built the desired infrastructure.
8. The department intends to **publish a yearly journal** with the increase of fund that will publish dissertation papers and write-ups of academicians to add to our library resource and knowledge base.

CONSTRAINT :

1. A little **more better accessible location** would have attracted more better quality students and increased prosperity of the college.
2. **Inadequacy of full time posts** increases the burden of duties on a small group of staff.
3. The **intake capacity** for a laboratory based subject at UG level is already **very high** and should not go on increasing.

FUTURE PLANS :

1. We dream of initiating very soon a **training programme in GIS and Remote Sensing software and application** herein the Department outside regular college hours. We intend to rise beyond only imparting syllabus oriented formal education to cope with the needs of the dynamic employment market. We are planning for collaboration and networking with industry and research organization for lab sharing, collaborative research etc. We specially want to collaborate with any GIS and RS

based national or international organisation for the purpose.

2. We shall make conscious effort for **developing and sharing expertise** for revenue earning purposes in future.
3. We hope to arrange for **campus recruitment** inviting companies and industrial organisations who are involved in GIS and remote sensing solutions and application development. Once we prepare our UG and PG students with training in GIS we shall proceed for the purpose.
4. We hope to **develop linkages** with industries, trading houses, Govt departments, training and research institutes to enable our students to go for summer training/programme of internship/live projects.
5. We are also planning to **organise a National / International Seminar** on environmental and urban developmental issues.
6. We hope to modernise and **enrich our Seminar Library**, specially for the PG students with the purchase of more specialised books and journals.
7. We hope to **concentrate in research at different levels** from utilising departmental resources. Teachers will be encouraged to submit more research proposals to different funding agencies to enhance research activities.
8. We shall try to **organise more frequent field studies**, especially for the Post Graduate section.