



**The Annual Quality Assurance Report
(AQAR)**

of

Lady Brabourne College

2012

PART A

Projections for 2012-2013

The Institution pursuing its vision for quality improvement and expansion worked on blueprints to materialize its plans as visualized for 2012 and into 2013.

- ❖ Programme under DBT Star College Scheme was planned. The plan was for conducting Faculty Improvement Programme (FIP) on computational Chemistry by the Department of Chemistry around November 2012.
- ❖ Similar programmes were planned for the Department of Microbiology tentatively in March 2013.
- ❖ FIP with different thrust was planned for the Department of Botany concerning the promotion and knowledge exploitation concerning Medicinal Gardens.
- ❖ The History Department started its final preparations for the UGC sponsored National Level Seminar to be held in collaboration with Paschim Banga Itihaas Samsad entitled “Unish Shatake Stree Shikshar Nirman” slated for January 2013.
- ❖ A National Level UGC sponsored Seminar was planned to celebrate the 150th Birth Centenary of Swami Vivekananda by all the departments of the College and plans went ahead in finalizing the itinerary and other details for March 2013.
- ❖ Another National Level Seminar by the Department of Political Science in collaboration with the Council for Political Studies with the eminent social scientist Prof. Andre Beteille as the keynote speaker was planned.
- ❖ The working hours for the library was planned to be extended and dialogue with the library staff and logistics planning went ahead.
- ❖ The Botany Department put final touches to their proposed Tissue Culture Laboratory.
- ❖ Computer Laboratory was proposed to be set up by the departments of Zoology, Botany, Chemistry under FIST programme of DST.
- ❖ A series of infrastructural extension went ahead with PWD and other agencies such a new Research Unit, a new Record Room, an additional reprographic facility at the second campus and the completion of the building under UGC Merged Scheme.

PART B – ACHIEVEMENTS

1. NEW FACILITIES

The following new facilities were introduced in the College during 2012-2013 session :

- ❖ **The Library** altered and extended its working hours from 8 AM to 6 PM to offer better library access to students and teachers of the College.
- ❖ **The Career Counseling Cell** of the College which has actively provided students with several national and international level interaction sessions and recruitment drives in different corporate sectors opened its own exclusive unit in the College with adequate infrastructure required to carry on their future programs successfully.
- ❖ A new **Reprographic Unit** was opened in the College (extended campus) which remains open till late hours to enable both UG and PG level hostel students to avail of the facility.
- ❖ Well-equipped **Tissue Culture Laboratory** has been set up by the Department of Botany for the students and teachers with funding obtained from **Department of Biotechnology (DBT), Government of India**.
- ❖ A common **Computer Laboratory** has been set-up collaboratively by the Departments of Zoology, Botany and Chemistry, for the students, for their project work and other requirements of Internet access with funding from **FIST Program of DST (Department of Science & Technology, Government of India)**.
- ❖ **New Research Unit** has been set up by the Department of Physics and a new **Project Room** by the Department of Sociology.
- ❖ For preservation of College records a new **Record Room** has been constructed.
- ❖ The work of construction of a large **Examination Hall** with adjacent office space at The Cottage under the head “Additional Grant/Scheme merge with development grant” of UGC during the 11th Plan period has been partially completed during the 2012-2013 period.
- ❖ **Wide Area Network (WAN)** has been installed in the College (including extended campus) providing an efficient, high speed, campus wide intranet with secure internet accessibility

2. PROGRAMMES HOSTED BY COLLEGE

- a) In July 2012 the Value Education seminar by IQAC , Department of Philosophy, the Psychological Cell, and the NSS 2nd Unit had Mr.Vijay Menon speaking on “Positive Attitude Towards Life”.
- b) In September 2012 the Department of Consumer Affairs and Fair Business Practices, Government of West Bengal with Indian Oil held a programme and Quiz contest for the students titled “Consumer Rights and Fair Business Protection”.
- c) A cultural debate was held between the director and caste of the off- beat film “Dutta vs Dutta” and the students of the college against the backdrop of the said film in October 2012.
- d) The FIP’s planned under the DBT Star Scheme went ahead and in November 2012 the chemistry department conducted its FIP on Computational Chemistry. The Botany Department’s FIP was held at the Medicinal Garden at Garpanchakot in February 2013. The Microbiology department held a workshop on ”Recombinant DNA Technology and Bioinformatics” . Interdisciplinary student exchange workshops were held as planned by the departments of Micrbiology, Physics, Chemistry, Botany and Zoology in December 2012.
- e) UGC sponsored National Level Seminar by the Department of History and the Paschim Banga Itihaas Samsad entitled “Unish Shatake Stree Shikshar Nirman” was held as scheduled in January 2013.
- f) The all department seminar with Ramakrisna Sarada Mission Vivekananda Vidyabhavan celebrating the 150th Birth Centenary of Swami Vivekananda was also held in March 2013 under the aegis of the UGC.
- g) The Council for Political Studies collaborated as planned with the department of Political Science to present Prof Andre Beteille under “Social Inequalities: Issues and Practical experiences in India” in March 2013.

3. INITIATIVES TOWARDS FACULTY DEVELOPMENT PROGRAMME

a) Ongoing UGC Funded Research:

SL. NO.	NAME OF FACULTY, DEPARTMENT	COLLA-BORATORS	RESEARCH SCHOLAR ENROLLED	TITLE PROJECT	FUNDING AGENCY	TENURE OF PROJECT	AMOUNT (Rs.)
1	Shikha Paul Sociology Department	Nil	Nil	Health Status & Rural Women: A Sociological Study.	U.G.C sponsored Minor Research Project	On-going	1,12000/-
2	Suriti Ray Political Science Department	Nil	Nil	The Empowerment of Women in West Bengal: A Case Study	UGC sanctioned project under the Women's Studies Centre, Lady Brabourne College	2013-completed	Funded by the Women's study Centre, Lady Brabourne College
3	Suriti Ray Political Science Department	Nil	Nil	Empowerment and Gender Equality: Problems encountered.	UGC sponsored Minor Research Project	On-going	61,000/-

4	Dr. Papia Ganguly Chemistry Department	Nil	Nil	Photophysical and thermodynamic studies of dyes in aqueous Micellar dispersion of Surfactants and in different solvents	UGC Minor Research Project No. PSW-36/12-13 (ERO)	2 years (2013-2015)	1,90,000/-
5	Dr. Sanjukta Mondal (Parui) Zoology Department	Nil	One	Epitope mapping of the allergenic proteins of the pollen of a few allergenic plants growing in Kolkata: implications for immunotherapy and studies on the air pollution impact on their etiology	UGC-Major Research Project No. F. No. 42-559/2013 (SR) dt. 22 nd Mar, 2013	3 years (2013-2016)	13,5,800/-
6	Dr. Anuradha Chaudhuri, Zoology Department	Nil	One	Relevance of pollinating insects in propagation of flowering plants in Calcutta and its surrounding areas including college campus in Park Circus	UGC- Major Research Project No. F. No. 41-56/2012(SR) dt.13 th July, 2012	3 years (2012-2015)	9,22,800/-

7	Dr. Paulami Maiti	Nil	Ni	Resource assessment, recovery and utilization in dynamic sewage fed wetland ecosystem for low cost production of animal protein	UGC- Major Research Project No. F.No. 41-102/2012 (SR), dt 12 th July, 2012	3 years (2013-2016)	4,86,000/-
8	Dr. Bidisa Chattopadhyay Physics Department	Prof. P. Mandal , Saha Institute of Nuclear Physics	Nil	Study of correlation between magnetization and electric polarization in multiferroic compounds	UGC, PSW-140/11-12 (ERO) dated 25.01.2012	Two Years	1,95,000/-
9	Dr. Aditi Nag Chaudhuri, Dr. Soumi GuhaPolley, Dr. Mahuya Mukhopadhyay, Ms. Madhulika Gupta, Ms. Sudipta Paul Bhattacharya Microbiology Department			Microbial Ecology of East Kolkata Wetland	UGC (CPE – Departmental Project)	2010-2012	8,05,000/-

10	<p>Prof. Saswati Mookherjee, Dr. Snehamanju Basu, Dr. Subhra Chattopadhyay, Dr. Mohua Chatterjee, Dr. Rajashree Banerjee, Dr. Debasree Bhadra Dr. Sutapa Mukherjee</p> <p>Geography Department</p>			<p>Ecological Study of East Kolkata Wetlands</p>	<p>UGC (CPE – Departmental Project)</p>	<p>2010-2012</p>	<p>6,84,000/-</p>
11	<p>Dr. Papia Ganguly, Dr. Sukanya Chakrabarti (Guha), Dr. Nupur Basu, Dr. Manisha Mukhopadhyay, Dr. Haimanti Mallik, Dr. Soma Nath (Deoghoria), Dr. Soma Samaddar, Dr. Nabanita Kundu</p> <p>Chemistry Department</p>			<p>Measurement of physicochemical parameters and assessment of water-quality of East-Kolkata Wetland: an approach towards sustainable development of the area</p>	<p>UGC (CPE – Departmental Project)</p>	<p>2010-2012</p>	<p>3,70,000/-</p>
12	<p>Dr. Suchita Sinha, Dr. Rinku Saha, Dr. Sudipta Das, Dr. Bidisha Mallick, Dr. Debleena Roy, Dr. Suparna Pal.</p> <p>Botany Department</p>			<p>Utilization of a macrophyte from east kolkata wetlands as a biofertilizer.</p>	<p>UGC (CPE – Departmental Project)</p>	<p>2010-2012</p>	<p>2,75,000/-</p>

13	Dr. Sanjukta MondalParui, Dr. Anuradha Chaudhuri, Dr. Paulami Maiti, Smt. Sujata Dhar (Dutta), Smt. Durba Bhattacharya Zoology Department			Impact of human activities on the decline of faunal diversity of east kolkata wetlands.	UGC (CPE – Departmental Project)	2010-2012	2,75,000/-
14	Natasa Dasgupta, Snigdha Pain, Bratati Chakraborty Statistics Department			Study on the Shift of livelihood pattern in East Kolkata Wetland area	UGC (CPE – Departmental Project)	2010-2012	65,000/-
15	Sudipta Paul Bhattacharyya Microbiology Department	-	-	Effect of phytochemicals on formation and dispersal of bacterial biofilms	PSW No: 038/11-12(ERO) Dated 03/08/2011	2010-2012	2,00,000/-

b) Career Advancement, Transfer & New Appointments between 1.4.2012 to 31.3.2013.

DEPARTMENT	NAME	DETAILS WITH G.O. NO. & DATE
English	Professor Sanjukta Das transferred from Sanskrit College	Joined on 3/1/2013 vide GO No.928-Edn (A)/6T-6/11 dated 30 th Oct 2012
Sanskrit	Samapti Garai transferred from Durgapur Government College	934-Edn(a)/6T-15/10 dated 2 nd Dec, 2011
Geography	Dr. Sutopa Mukherjee is transferred to Krishnanagar Govt. College.	939-Edn(A)/ 6T-02/08 Dt. 31 st October,2012.

	Sm. Rajasree Banerjee transferred from Chandernagore Govt. College	
Economics	Somasree Roychowdhury (Transfer)	488-Edn(A)/6T-10/11 dated 16 th May 2012
Chemistry	Dr. Soma (Nath) Deoghoria transferred to Krishnagar Govt. College	851-Edn(A)/6T-11/10 dated 21 st September, 2012
	Dr. Mostafizur Rahman transferred from Hooghly Mohsin College	
Bengali	Sanghita Ghosh transferred from ABN Seal College, Coochbehar.	992-Edn (A)/6T-04/07(pt-1) dated 30.11.2012
	Kanika Biswas transferred from Durgapur Govt. College	992-Edn (A)/6T-04/07(pt-1) dated 30.11.2012
Mathematics	Dr. Babli Saha transferred to Durgapur Govt. College	857-Edn (A)/6T-7/07 dated 24.09.2012
	Dr. Himangsu Sekhar Guha from Government College of Engineering and Textile Technology, Serampore.	
Microbiology	Dr. Aparna Sen transferred from Bidhannagar Govt. College	559-Edn(A)/6T-05/12 dt 06.06.2012
	Dr. Soumi Guha Polley	In extra ordinary leave for 2yrs from 4.5.2012
Physics	Dr. Barnali Chakrabarti on lien to Kalyani University	August 2012
Sociology	Dr. Sumita Saha on lien to Presidency University	January 2013

Faculty Improvement Programmes attended during 1.4.2012 to 31.3.2013.

DEPARTMENT	NAME	DESIGNATION	COURSE ATTENDED	DATE

Philosophy	Dr. Krishna Dasgupta	Associate Professor	Participated in Workshop on 'Sensitization Programme on Combating Gender-based Violence for Teachers-in-Charge of Women's Cell/Women's Studies Centres of Colleges and Universities of Eastern Region' conducted by National Institute of Public Cooperation and Child Development, Regional Centre, Guwahati	26 th – 28 th September 2012
Geography	Dr. Debasree Bhadra	Assistant Professor	Short Term Course in RS&GIS conducted by WBSCS&T.	30.04.2012 to 11.05.2012
			UGC sponsored Refresher Course in Earth Science conducted by Academic Staff College, C.U.	19.11.2012 to 8.12.12.
Economics	Somasree Roy Chowdhury	Assistant Professor	Refresher course in Development Economics in C.U	02.01.2013 to 22.01.2013
Mathematics	Dr. Bijita Biswas	Assistant Professor	Refresher Course	06.08.2012 to 29.08.2012
	Sarbani Mukherjee (Goswami)	Assistant Professor	Refresher Course	27.08.2012 to 15.09.2012
Statistics	Snigdha Pain	Assistant Professor	N.S.S.Orientation Course	24.06.12-30.06.12

Zoology	Smt. Durba Bhattacharya	Assistant Professor	Refresher Course on “Analytical Instruments: Techniques and Applications” conducted by Dept. Of Instrumentation science, JU with UGC – ASC JU	25.02.2013to 16.03.2013
	Smt. Sujata Dhar	Assistant Professor	Refresher Course on “Analytical Instruments : Techniques and Applications” conducted by Dept. Of Instrumentation science, JU with UGC – ASC JU	25.02.2013to 16.03.2013
	Smt. Antara Kar	Assistant Professor	Refresher Course on “Analytical Instruments : Techniques and Applications” conducted by Dept. Of Instrumentation science, JU with UGC – ASC JU	25.02.2013to 16.03.2013
Physics	Sameena Murtaza	Assistant Professor	Refresher Course	11.6.2012 to 30.6.2012
	Paramita Chatterjee	Assistant Professor	Refresher Course	11.6.2012 to 30.6.2012

Ph.D/ M.Phil or any other degree awarded during 1.4.2012 to 31.3.2013.

DEPARTMENT	NAME	DESIGNATION	DEGREE AWARDED	DATE
Persian	Smt. Syeda Shariqatul Moula Alquadri	Assistant Professor	Ph.D	January, 2013
History	Aparna Bandyopadhyay	Assistant Professor	Ph.D	December, 2012
Geography	Dr. Sutopa Mukherjee	Associate Professor	PhD	August, 2012
Philosophy	Dr. Krishna Dasgupta	Associate Professor	Ph.D.	June, 2012

Sociology	Sumita Saha	Assistant Professor	Ph. D	July ,2012
Botany	Bidisha Mallick	Assistant Professor	Ph.D	March, 2013

Retirements during the period 1.4.2012 to 31.3.2013.

DEPARTMENT	NAME	DETAILS
Mathematics	Dr. Madhubala Chakraborty	Retirement from West Bengal Education Service on 31.05.2012
Bengali	Dr. Purabi Biswas	Retirement from West Bengal Education Service on 31.07.2012
Zoology	Dr. Anuradha Chaudhuri	Retirement from West Bengal Education Service on 31.01.2013

c) Funded Research Work (Other than UGC)

Funding Agency: CSIR

Fund Allocated: Rs. 23,00,000/-

Names of Investigators	Collaborators	Research Scholars enrolled	Project title with sanction no.	Date of implementation	Tenure	Lab setup
Dr. Sudeshna Das Gupta	Prof Soumen Kumar Roy (JU)	(i) Sabana Shabnam (ii) Soumyajit Pramanick	Monte Carlo simulation of biaxial nematic liquid crystals, 03(1235)/12/EMRII dated 16.4.2012	06.08.2012	Three years	At LBC

<p>Funding Agency: Indian Council of Social Science Research</p> <p>Fund Allocated: Rs. 5,54,700/-</p>						
Dr. Aditi Nag Chaudhuri		(i) Anwasha Roy Chaudhuri, Research Associate. (ii) Anindita Chaudhuri, Research Assisstant	Assessment of knowledge, Attitude, Belief and Practice of the Women in Kolkata, towards Cervical Cancer and its Risk Factors	31.03.20	Three years	Survey Based Work
Microbiology Department (Co-Investigator)	Dr. Ramdas Chatterjee					

4. Student Information

a) Student Success & Progression for Academic Session 2012-2013

DEPARTMENT	NAME OF STUDENT	FELLOWSHIP/AWARD / COURSE	OTHER ACHIEVEMENTS
Urdu	Afreen Khatoon		Stood First from C.U in Part-III Examination
Chemistry	Payel Das	Merit scholarship by DPI, Govt. of West Bengal	
	1. Malobi Seth 2. Kanyashree Jana 3. Hiranmayee Dutta 4. SnehaNandy 5. Rumpa Sarkar	National Scholarship	

	1.Shifa Alam (Minority) 2. SudiptaHazari (S.C.) 3. SwarnaliSanfui (S.C.)	Others	
Physics	Sukanya Pal		Stood First from C.U. in Part III Examination
	Shamreen Iram		Stood 6 th from C.U. in Part III Examination & Stood 6 th in JAM
	4 PG students & 20 UG students	INSPIRE Fellowship	
	2 PG students		Paper presentation in 100 th Science, Congress (January, 2013)
	1 student		Joined Ph.D program at CGCRI, Kolkata
Zoology	15	Pursuing M.Sc. in Zoology from various Universities and Colleges	<ul style="list-style-type: none"> • Ballygunge Science College (C.U.) – 7 • Presidency University - 2 • Maulana Azad College - 1 • Dinabandhu Andrews College – 1 • Srirampur College - 1 • Bethune College - 3 • Kalyani University – 1
	1	Pursuing M.Sc. in Biochemistry	• Ballygunge Science College (C.U.)
	1	Pursuing M.Sc. in Marine Sciences	• Ballygunge Science College (C.U.)
	1	Pursuing MBA	• IIPM

b) FINANCIAL ASSISTANCE GRANTED TO STUDENTS DURING 2012-2013

SL. NO.	NAME OF THE APPLICANT	YEAR	ROLL	SUBJECT	GRANT SANCTIONED (RS.)	PURPOSE
1.	Piyali Chatterjee	B.A. 2 nd year	115	History	3000	Session Charge
2.	Papiya Guha	B.A. 2 nd year	40	Philosophy	3000	Session Charge

3	Tanusree Das	B.A. 2 nd year	51	Philosophy	3000	Multi media course
4.	Bony Dutta	B.A. 2 nd year	54	Philosophy	3000	Multi media Course
5.	Krishna Saha	B.A. 2 nd year	110	Philosophy	3000	Session Charge
6.	Aesha Salim	B.A. 2 nd year	220	Urdu	3000	Session Charge
7.	Pamoli Sen	B.A. 2 nd year	193	Sanskrit	2750	Book-grant & Computer Course
8.	Nilanjana Dutta	B.A. 2 nd year	196	Sanskrit	2750	Book-grant & Computer Course
9.	Afrin Begum	B.A.1 st year	126	Persian	2750	Book-grant & Computer Course
10.	Rozina Parveen	B.A.1 st year	275	Urdu	2750	Book-grant & Computer Course
11.	Parveen Hussain	B.A.1 st year	272	Urdu	2750	Book-grant & Computer Course
12.	Samreen Javed	B.A.1 st year	282	Urdu	2750	Book-grant & Computer Course
13.	Shahnaz Khanum	B.A.1 st year	285	Urdu	2750	Book-grant & Computer Course
14.	Rafat Kainat	B.A.1 st year	273	Urdu	2750	Book-grant & Computer Course
SL. NO.	NAME OF THE APPLICANT	YEAR	ROLL	SUBJECT	GRANT SANCTIONED (RS.)	PURPOSE
15.	Hena Qureshi	B.A.1 st year	128	Persian	2750	Book-grant & Computer Course
16.	Nikhat Siraj	B.A.1 st year	130	Persian	2750	Book-grant & Computer Course

17.	Ankita Acharya	B.A.1 st year	2	Bengali	2750	Book-grant & Computer Course
18.	Riya Kundu	B.Sc.1 st year	194	Mathematics	2750	Book-grant & Computer Course
19.	Anindita Ghosh	B.Sc.1 st year	176	Mathematics	2750	Book-grant & Computer Course
20.	Chandrima Kayal	B.Sc.1 st year	183	Mathematics	2750	Book-grant & Computer Course
21.	Dishari Roychoudhury	B.Sc.1 st year	184	Mathematics	2750	Book-grant & Computer Course
22.	Tanushree Sarkar	B.Sc.1 st year	129	Geography	2750	Book-grant & Computer Course
23.	Arpita Das	B.Sc.1 st year	103	Geography	2750	Book-grant & Computer Course
24.	Ishita Ghosh	B.Sc.1 st year	110	Geography	2750	Book-grant & Computer Course
25.	Piya Mandal	B.Sc.2 nd year	276	Chemistry	2750	Book-grant & Computer Course
26.	Rupsa Saha	B.A. 2 nd year	191	Sanskrit	2000	Book-grant
27.	Gargi Mallick	B.Sc.3 rd year	150	Mathematics	2000	Book-grant
28.	Sakhina Khatun	B.Sc.3 rd year	140	Mathematics	2000	Book-grant
29.	Abida Hasan	B.A.3 rd year	230	Urdu	1000	Book-grant

WBMDFC POST MATRIC SCHOLARSHIP 2012-13

Total No. of Students	Total amt. of Maintenance Allowance given (Rs.)	Total amt. of Course Fee given (Rs.)
57	192600	119700

52	175000	107700
Total	367600	227400

WEST BENGAL GOVT. MERIT CUM MEANS SCHOLARSHIP 2012-13

Total No. of Students	Amt. of Scholarship per student (Rs.)	Total amt. of Scholarship given (Rs.)
2	10800	21600
	Total	21600

c) Ph.D Supervision:

SL. NO.	SUPERVISOR, DEPARTMENT	NAME OF SCHOLAR	STATUS	TITLE / AREA OF RESEARCH.
1	Dr. Snehamanju Basu Geography Department	Sm. Suvalaxmi Chatterjee.	PhD Registered, NET qualified.	“Well- Being of the Ageing Population-North 24 Parganas and Kolakata City (W.B)
2	Dr. Snehamanju Basu Geography Department	Sm. Supriya Das	PhD Registered, NET qualified.	“Agro-economic scenario in Nadia (W.B)
3	Dr. Snehamanju Basu Geography Department	Rajesh Das	NET Course work Completed.	Problems of Migrating Labour in Hugli Industrial belt.
4	Dr. Snehamanju Basu Geography Department	Arpita Naskar	NET Qualified Course work going on.	“Census for declining Condition Industries in Haora Districts.

5	Dr. Snehamanju Basu, Geography Department	Sutopa Mukherjee	NET qualified, PhD Course work going on.	“Quality of Life of Women in Haora district.
6	Dr. Snehamanju Basu Geography Department	Madhurima Paul	NET qualified.	Women work Participation in Durgapur Industrial Town”.
7	Dr. Snehamanju Basu Geography Department	Prasun Ghosh	NET qualified.	“Intra –Urban disparity in status of health- A case study of Hugli, W.B.
8	Dr. Snehamanju Basu Geography Department	Manisha Sultana	Research Fellow	Urban Expansion and its impact on the environmental and Socio-economic aspects of the areas on the periphery of Rajarhat, New Town”.
9	Professor Saswati Mookherjee Geography Department	Chaitanya Deb Saha	UGC –JRF	Migration Pattern and Spatial Analysis with Special Reference to North 24 Parganas
10	Professor Saswati Mookherjee Geography Department	Paromi Das	UGC –JRF	“Urban Amenities in Panihati Municipality”. North 24 Pargana.
11	Dr. Anuradha Chaudhuri Zoology Department	Debapriya Chakraborty	Project Fellow	Relevance of pollinating insects in propagation of flowering plants in Calcutta and its surrounding areas including college campus in Park Circus
12	Dr. Sanjukta Mondal (Parui) Zoology Department	Barnali Bera	Project Fellow	Epitope mapping of the allergenic proteins of the pollen of a few allergenic plants growing in Kolkata: implications for immunotherapy and studies on the air pollution impact on their etiology

13	Dr. Sudeshna Dasgupta Physics Department	Shabana Shabnam	Fellow	Monte Carlo simulation of biaxial nematic liquid crystals
14	Dr. Sudeshna Dasgupta Physics Department	Soumyajit Pramanick	Fellow	Monte Carlo simulation of biaxial nematic liquid crystals
15	Dr. Aditi Nag Chaudhuri Microbiology Department	Madhulika Gupta (NET & RET at CU in 2013)	Assistant Professor, WBES, Department of Microbiology, Lady Brabourne College	Studies on Heavy Metal Remediation by Blue Green Algae .
16	Dr. Aditi Nag Chaudhuri Microbiology Department	Mr. Souvik Roy (NET & RET at CU in 2013)	Assistant Professor, Department of Biotechnology, St.Xaviers College	Inhibition of Growth of <i>Corynebacterium</i> sp. and <i>Mycobacterium smegmatis</i> by Garlic Extract
17	Dr. Aditi Nag Chaudhuri Microbiology Department	Ms. Rasna Parveen (RET at CU in 2013)	Maulana Azad Fellow (UGC), Department of Microbiology, Lady Brabourne College	Studies on the Effect of Commonly used Spices on Intestinal Cancerous cells
18	Dr. Aditi Nag Chaudhuri Microbiology Department (Co-guide)	Mr. Kausik Bhawal (RET at WBUHS in 2013)	Technical Assistant(Works), Water Resources Investigation & Development Direstorate , Govt. of WB	A study on the Role of Nutrition , Socioeconomic status and Intelligence level on the Academic Achievement of Primary School Children

19	Dr. Aparna Sen, Microbiology Department	Biswajit Saha, (registered under Calcutta University in December 2013)	Lecturer, Dept. of Microbiology, Bijoy Krishna Girls' College, Howrah	Developing a good Biofertiliser : Isolation, Characterisation and identification of growth promoting microorganisms with potent Nitrogen Fixing, Phosphate Solubilising and Salt Tolerant properties from the Soil around Coastal Area of West Bengal
20	Dr. Aparna Sen, Microbiology Department	Aparna Chakraborty, (to be registered under Kalyani University in 2014)	Lecturer, Dept. of Microbiology, Kanchrapara College, Kanchrapara, North 24 Parganas	Isolation and purification of some Industrially Important Enzymes
21	Dr. Aparna Sen, Microbiology Department Dr. Bishwadeep Das (Co-guide), Dept. of Biotechnology, Jadavpur University, Kolkata	Sudipta Pal Bhattacharya, (to be registered under Jadavpur University in 2014)	Assistant Professor, Dept. of Microbiology, Lady Brabourne College, Kolkata	Development of Intervention Strategy Against Bacterial Biofilms Using Triterpenoides

d) Activities of Career Counselling Cell

Summary of Career Counselling sessions in 2012-2013

DATE	ORGANIZATIONS	VENUE	PARTICIPANTS	PROGRAMME DETAILS
September	Footwear Design & Development Institute	LBC Campus	Student-Industry	Interaction Programme
	University of Sussex	LBC Campus	Student-Industry	Presentation
	Infosys	LBC Campus	Student-Industry	Campus ambassador Programme

	ELILM Placement	LBC Campus	Student-Industry-Faculty	Programme to prepare students for corporate needs & environment
December	Indian Coastal Guard	LBC Campus	Student-Industry	Presentation cum workshop
	Teach for India	LBC Campus	Student-Industry	Presentation cum Seminar
	Reliance Communications	LBC campus	Student-Industry	Programme for Exposure to animation industry
	I360 Staffing & training Solutions pvt. Ltd.	LBC Campus	Student-Industry-Faculty	Programme to prepare students for corporate needs & environment
	NIS Academy	LBC Campus	Student-Industry-Faculty	Programme to prepare students for corporate needs & environment
January	Sussex University	LBC Campus	Student-Industry	Seminar
	Australian Embassy	LBC Campus	Student-Industry	Presentation encouraging students higher education in Australia
	Synetics	LBC Campus	Student-Industry-Faculty	Programmes to prepare students for corporate needs & environment
	Reliance Infocom	LBC Campus	Student-Industry-Faculty	Programmes to prepare students for corporate needs & environment

	Several GD, PI Improvement Programmes by Vistamind	LBC Campus	Student-Industry-Faculty	Programmes to prepare students for corporate needs & environment
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Summary of Job Placements of Students in 2012-2013

COMPANIES	DATE OF PROGRAMME	VENUE	ELIGIBILITY CRITERIA	NUMBER OF PARTICIPANTS	NUMBER OF SELECTED CANDIDATES
CTS, TCS., Infosys, Wipro	January-February	Salt Lake	UG 3	50	2
Teach for India, FDDI, University of Sussex, Azim Premzi University, Times of India	December	Salt Lake	UG 3	100	15
Teach for India Fellowship, Accenture, Indian Coastal Guard, Gandhi Fellowship	September-December	LBC Campus	UG 3	100	-

5. Teaching-Nonteaching staff Ratio 1.52 : 1

6. Internal Resources generated

- a) Tuition Fees: Rs. 89,4720/-
- b) Admission forms: Rs. 70,3200/-
- c) Self financing Computer Course- Rs. 28,800/-
- d) Self-financing Spanish course- Rs. 10, 600/-
- e) Earnings from holding Public Examinations: Rs. 14,250/-
- f) Canteen and Cheap Store: Rs. 18450/-
- g) Overhead from Department Practical Examinations: Rs.830/-
- h) Public relation & Advertising : Rs. 37,200/-
- i) Diploma in PC Application: Rs. 20,995/-

7. Unit Cost of education :
b) a) With salary Rs. 45,736.84
Without salary Rs. 2,695.05

8. Improvement in Library services

a) Library Report

ACQUISITION

The library received 1st and 2nd Development Grant of Rs. 3,00,000/- for books and journals from the Higher Education department, Government of West Bengal during the year 2012-2013. Total 747 books and a few number of journals and magazines have been subscribed during 2012-2013 from this Development Grants. Some journals have been procured from Govt. Grant and a few number of magazines are also being procured from the Library Fund.

Names of journals are noted below:

Competition Success Review

Science Reporter

Economic & Political weekly

India Today

Out Look

Desh

EbongMussharef

Milemishe

Khodabox Journal

Nijasya Communication

Almost all books procured from Development grants have been duly processed and kept in the Circulation Section in the Central Library. A lot of books have already been issued to different departmental libraries.

SERVICES PROVIDED BY THE LIBRARY :

- 1) **The library provided a regular lending service and reading room service to our users. The issue register of our library reflects the huge rate of library usage. The average number of books issued on a daily basis is 95-120 in full session and 70-80 in slack session throughout the year.**

An amount of Rs. 1078.00 has been submitted to office as fine charges in 2013.

- 2) Reference service have also been provided through our rich Reference Collection. Internet is being accessed for two hours per day almost every day (as and when Internet is available) during the last year.
- 3) Access of OPAC (On-line Public Access Catalogue) has been used by the student during the last year along with the traditional library catalogue.

4) At present the library has two photocopying service units, located at the Main Library and the Annexe Room. Every day these two machines are in use. Requisitions for photocopy from books and journal articles are entertained during the library service hour. During last year the library has collected Rs 633.00 as Xerox charges and submitted to the Treasurer of the Principal's Committee.

5) Facilities provided through the Periodical section :

The current periodical section has been enriched by a few number of Indian journals and Magazines. The section receives, processes and makes computer entries and provides in-house access of the said journal collection. The current journals are issued out to departmental libraries also. The journals are not subscribed on a regular basis but procured as gift time to time are displayed in the Periodicals Display Rack. At present there are 468 bound volumes of journals which are lent out to interested readers. Listing of journals had been completed during the period of January '04-August '12

6) **Preservation Unit of the Library :**

Library possesses two vacuum cleaners. First machine is being used for general dusting and cleaning and the other one for cleaning computers and photocopying machines throughout the year.

Library possesses one fumigation chamber. This year total 100 books are treated through the chamber during the last year. Pest control work has been done during the Puja vacation in the library by the library staff (by using the insecticides which have been purchased for maintenance purposes from the fund given by the National Archives). During the last part of the December of the last year a pest control work has also been made.

Information about Book Binding :

During the last year the UGC provided a grant for book binding (CPE). Total 240 books have been repaired and restored. Digitization in the form of CD has also been made for some rare books by using UGC(CPE) grant . Total 2778 pages have been digitized from Persian, Sankrit and Urdu books. This year the library needs some more repairing work but due to the fund constraint the mission has not been fulfilled.

Information about the Library File Organization :

Cataloging and classification 747of books is being undertaken with the VLIS software.

Library webpage

Library webpage is now available for the outreach library users for reserving the required books . Librarian's email address are given for using the instant messaging facility.

Man-Power Development Programme

Our library provides a hands-on training to the new entrants of library profession for a last few years (by using Library fund and other funds whatever is available). Miss Sutapa Goldar is now working with us as a Library Trainee. Our Trainee (2011-2012) Ms. Soma Chakraborty is now working in Loreto College, Kolkata as a permanent library staff.

Continuing Education programme for Librarian

Librarians have joined a workshop on Library preservation techniques in Digital Environment during March 4th-March 8th 2013 conducted by the Administrative Training Institute, Govt. of West Bengal.

9. Community service

NSS Activities

ANNUAL REPORT OF NSS UNIT- I

LADYBRABOURNECOLLEGE

REGULAR ACTIVITIES

From April 2012 to March 2013

Programme Officer: Snigdha Pain, Dept. of Statistics

Members: Bratati Chakraborty, Durba Bhattachary, Suparna Pal

- ❖ Attended the programme on Rabindra Jayanti at Calcutta University
- ❖ The NSS Unit I celebrated *Baish-e-shrabon*. The volunteers participated in the cultural function held in college.
- ❖ Observed Drug Abuse day on 26th June, 2012
- ❖ Participated in the rally on health awareness and visited the Red Ribbon Express.

- ❖ Observed the NSS day on 24th September 2012 and attended a seminar on Sports and Youth held at the University
- ❖ Students of this unit worked as volunteers for CMS Vatavaran (Biodiversity Film Festival and Forum)
- ❖ A Film show on Biodiversity was screened in the college auditorium and for the students.
- ❖ A seminar on Swami Vivekananda was organized on 31. 01.13 at the college by this unit.

Special Camp, 2013

The Special Camp of NSS Unit I was held from 19th March 2013 to 25th March 2013. During these seven days the following programmes were held:

- ❖ *Day 1* - Visit to the adopted slum
- ❖ *Day 2* - Poster competition on “Save the girl child”
- ❖ *Day 3* - Visit to the slum , campus cleaning, visit to Department of Community Medicine, National Medical College,
- ❖ *Day 4* - Visit to Child Care Home, a centre where the girl children abandoned or lost girl children are rehabilitated.
- ❖ *Day 5* - Medical Health Camp in collaboration with Department of Community Medicine, National Medical College
- ❖ *Day 6* - First Aid Training on Disaster Management at Calcutta Rowing Club, organized by Calcutta University
- ❖ *Day 7* - A workshop on “Basic Life Support “ in collaboration with Department of Anesthesia , National Medical College

ANNUAL REPORT OF NSS UNIT- II

LADYBRABOURNECOLLEGE

REGULAR ACTIVITIES

From April 2012 to March 2013

Programme Officer : Dr.Sutapa Ray

Member : Suparna Pal

Sarbani Goswami

100 volunteers of Lady Brabourne College, NSS Unit II have completed their programme which continued for more than 120 hours with in two years from April 2012 to March 2013. Last year 50 students completed their special from 15.2.12 to 21.2.12 and this year 50 students

attended a special camp for seven days i.e. from 20.3.13 to 26.3.13. They regularly join various programs arranged by our College or University. Their activities are given below:

- ❖ They Participated ‘World Environment Day’ on 5th June 2012, conducted by College. They purchased some saplings and planted those in our College campus behind new science building.
- ❖ 10 volunteers attended a seminar on 26th June 2012 at Calcutta University Centenary Hall, college street campus at 2p.m., topic was ‘International Day Against Drug Abuse’. This programme they participated along with their NSS Programme Officer. This programme organized by NSS cell of Calcutta University. The seminar was followed by a Audio Visual presentation on Marine World and its Environment, Water –Sports and adventure including disaster management by ‘Sea Explorers Institute’, Kolkata.
- ❖ Participants attended a seminar regarding “Polio Eradication: Role of NSS” on 30th April 2012 at 2 P.M at Asutosh Hall, University of Calcutta. Speaker was Dr. Subrata Sarker, Principal of Nursing College, R.G Kar Medical College and Hospital. She gave a power point presentation on this topic. This awareness Programme conducted by NSS Dept. of Calcutta University.
- ❖ Students observed ‘Independence Day’ on 15th August 2012 in Lady Brabourne College campus.
- ❖ They also observed NSS Day on 24th September 2012.
- ❖ Our students of NSS Unit II participated a seminar on ‘Positive attitude towards life’. This program organized by Students Council in Cell of Lady Brabourne College collaborate with NSS Unit II on 20th July 2012, speaker was Mr. Bijoy Menan.
- ❖ This year “NSS Award Function” was celebrated on 1st February 2013 in Centenary Hall of Calcutta University. The said function started at 11a.m, Lagnajita Chakraborty volunteer’s of this unit got Best Volunteer award from University of Calcutta.

Special Camp 2013

A special camp for seven days from 20th March to 26th March 2013 in the college was organized in which 50 students participate. This year they mainly cleaned our Lady Brabourne College Library and arranged the Library books in proper shape. We have a rich library and many rear books are there. All these days of special camp they spent daily 3 hours for cleaning the library books. First day our students purchased some saplings and planted them in the college campus.

On 21st March they invited 28 slum children who are the students of our Night School and who were given dress material. On 24th the NSS students join a Workshop known as “First aid training on Disaster Management” which was organized in the Calcutta Rowing Club situated at Rabindra Sarobar, University of Calcutta.

On 25th March Dr. Subrata Sarkar, Principal of Nursing College of R.G. Kar Hospital delivered her valuable speech on “Women Disuses: How to remove them” before the students. That day students provided lunch for slum people at 12 noon in Food Court of Lady Brabourne College.

Last day on 26th March volunteers attended a seminar. This seminar presented by ‘The Sea Explorers Institute’ Kolkata. Our aim was to make aware the students about the various aspects of the river and sea at this seminar. ‘The Sea Explorers Institute’ share with us as to how they cross The Bay of Bengal from Kolkata to Andaman Island.

Every day NSS Unit II arranged Tiffin and Lunch for 50 volunteers.

10. Technology Upgrdation

- ❖ Existing Computer networking infrastructure was expanded into an efficient, high-speed campus wide intranet with secure internet accessibility to users.
- ❖ Hostel becomes an integral part of the wider connectivity.
- ❖ WAN installed using structured cabling.
- ❖ Firewall installed in the Principal’s room.
- ❖ Wireless access points placed at various strategic locations across the College.
- ❖ Administration, accounts, applications (COSA) , library (NLIST from INFLIBNET) are accessed and managed via V-LAN.
- ❖ 97 nodes are present at this point throughout the college at different departments to ensure smooth & consistent connectivity.

PART C: PROJECTION 2013-14

PROPOSED INFRASTRUCTURE UPGRDATION FOR 2013-2014

1. Completion of renovation of the laboratories of the science departments.
2. Completion of construction of a new Examination-cum-Seminar Hall and a Office Room under the Merged Scheme Project.
3. Installation of 1KWP Solar Power Plant as a part of the drive to cut down on energy consumption, cost and to promote alternative eco-friendly source of power supply.
4. Setting-up of a well equipped Fitness Centre for the students.
5. Upgrdation of food court for multi-utility schemes.
6. Construction of a Rain-water Harvesting System for sustainable development.

7. Inside and outside painting of the main college building and the adjoining college hostel.
8. Maintenance and beautification of college garden.
9. Construction of protective fencing for the proposed Butterfly Garden(a UGC sponsored minor project) inside the hostel campus.
10. Air conditioning of the Library.
11. Renovation of the Career Counselling cell.
12. Completion of construction of Ground Floor, First Floor and Second floor of the new college building (Roma Choudhury Building) in the campus of Lady Brabourne College.

PROGRAMMES PROPOSED

1. The College is preparing for inspection by NAAC and planning to meet up the mandatory requirements to upgrade itself from Centre with Potential for Excellence (CPE) to Centre of Excellence (CE).
2. The Principal's visit to the UGC office New Delhi with the in-house UGC team for an interface meeting led to the release of the residual CPE grants and the institution is planning its utilization as per allocation directives.
3. It is also planning several programmes to commemorate its Platinum Jubilee.
 - a) A four day interdisciplinary workshop was planned between Microbiology, Physics, Chemistry, Botany and Zoology for December 2013.
 - b) The Department of Bengali with active support from the Principal and the IQAC Convener is giving finishing touches for the Inspection Visit in February 2014 by the University of Calcutta for the opening of the Post Graduate Course in Bengali.
 - c) The College is also in the process of publishing its fourth volume of The Lady Brabourne College Journal dedicated to the six languages taught in the institution.
 - d) The Alumni Association of the College is finalizing presentation of Tagore's Dance Drama "Mayar Khela" by the performing artists of Sangeet Bhavan of Visva Bharati University with the active help of the Honourable Vice Chancellor of Visva Bharati University, Prof Susanta Dutta Gupta.
 - e) The Department of Economics have plans to hold a collaborative seminar with the Bangiya Arthanity Parishad (BAP) in February 2014.
 - f)The Department of Geography have plans to hold a National Level Seminar sometime in March 2014.
 - g) The Department of English is hoping to collaborate with Visva Bharati University to organize a Seminar on European Classics targeting its Post graduate students.
 - h) The Department of Microbiology also has plans to hold a National Level Seminar.
 - i) There is deliberation for continuing the Annual fixtures like Value Education Seminar and the Manadalika Banerjee Memorial Lecture sometime after summer.

Best Practice I : Student Engagement in creation of Butterfly Garden in fallow space.

The Objective:

- To utilize existent fallow space to promote research and innovative teaching and sensitize students to the serious issue of pollution control and environmental restoration.

The Practice

- The Best Practice deserving particular mention for 2012-2014 involves a UGC sponsored Major Research Project conducted by Dr. Anuradha Chaudhuri of the Department of Zoology. Dr Chaudhuri discussed with the IQAC the possibility of making use 2-3 cottahs of land lying unused in the second campus of the College where the UG and PG hostels are situated. This project, started in 2012 is in the process of landscaping the fallow area to set up specific plant garden to nurture different species of butterflies. Though major conservation efforts in India are centered round flagship species like tiger, elephant and rhinoceros yet very few animals depend directly on any of them for survival. In contrast, numerous birds, amphibians, reptiles and insects are directly dependent on butterfly larvae, pupa, egg and adult butterflies for survival. Saving them around our locality will help improve their habitat and will create a healthy ecosystem. The habitat will consist of butterfly friendly trees and flowers and common species will be released as soon as the plant life matures. This in turn will give fresh lease to insect and bird population in the controlled wilderness.

Projection of benefit and success

- Students will be involved in the study of cross pollination and food chain systems. They are already acquainting themselves with the plant life and the ecological value of plant – insect symbiosis in a live laboratory, working with research assistants as young naturalists to learning the process of creating natural habitats. They are observing that research and sustenance of environment are complementary process. They are becoming aware that innovative use of space is actually adding to lessening pollution in a heavily congested part of the city and helping the cause of community health. A healthy garden will refresh the entire hostel campus and provide educational-recreational opportunities for years to come.

Impact of the Practice

- As the chosen area was cleaned and the ground began to be prepared by staff engaged under Dr. Chaudhuri's supervision students were invited to observe the process. Already at this threshold level they showed a keenness and excitement concerning the transformation of a hitherto neglected space becoming a source of regeneration. It was felt that the teaching-learning process had indeed been given a new dimension in a live laboratory.

Problems encountered and resources required.

- The problems facing innovative usage of infrastructure require a great deal of paperwork to overcome red tape because any construction work requires the involvement of the state PWD and the tedious process of tendering.
- The College satisfies UGC criteria and thereby avails resources; if however a more interactive climate at various levels is allowed to develop colleges with potential for excellence would benefit more.

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BEST PRACTICES II

In 2013 Lady Brabourne college hosted the 29th Annual Conference of Paschimbanga Itihas samsad and organized along with a UGC sponsored National level seminar on ‘The Colonial Bengal: The Making of Women’s Education’.

The Objectives:

Paschimbanga Itihas Samsad being a premier Research Institute of History and a body which aims at popularizing the study of History through vernacular, held its 29th annual Conference in Lady Brabourne College on 24th and 25th of January, 2013. A UGC level seminar was also organized by the department of History of LBC on ‘The Colonial Bengal: The Making of Women’s Education’ to sensitize the students about the condition of women in the colonial period and their emancipation through education; the hurdles crossed by a teeming millions of known and unknown women, who wanted to read and be liberated from the clutches of dark beliefs and superstitions and above all, from patriarchy. This attempt to learning was

collaborated by a section of urban, middle class, English educated Bengali male intelligentsia whose objective was to create a 'new Bengali woman'. But once allowed to traverse the path of education, women began to break barriers-mainly social and cultural, sometimes even political, if not economic. Thus colonial rule and its close relation to reforms and awakening of Bengal were tied up with the Women's question and this road map to modernism was the theme of this Seminar.

The Context:

The modern urban woman needs to know the trajectory of liberal education, modernism, and role of women in it. The seminar was aimed at unfolding the role played by men to get their better-half educated, role of colonial government, and of course the responses of women to these endeavours. Needless to say, that among the broader horizon of women's urges to get education, the smaller perspectives of minorities' attempt for the same target was not missed. The different courses of educating women pursued by different communities, classes and in different regions were taken note of. Eventually how a separate identity of women was set upon to be formulated, was the basic enquiry made by the speakers.

The Practice:

The seminar organized by the department of History, Lady Brabourne College, was entitled 'The Colonial Bengal: The Making of Women's Education'. The Annual Conference of 'Paschim Banga Itihas Samsad' was inaugurated by Professor Narayani Gupta and the keynote address was given by Prof. Uma Chakravarti. The four Sectional Presidents were:

Prof. Upinder Singh,-Ancient India, Prof. Amit De-Medieval India, Prof. shyamapada Bhowmick-Modern India and Prof. Swapna Bhattacharyya- Countries outside India.

The speakers of the seminar were Prof. Rachona Chakraborty –University of Calcutta,. Prof. Sonia Nishat amin- Dhaka University and Dr. Manowara Hossain of Hasting's college of women.

The first and the second day of the conference saw papers presented by delegates and scholars who came from throughout the country and even from Bangladesh, our neighbouring country.

Impact: The Conference helped to add another feather to the academic cap of Lady Brabourne College. The students greatly benefited from the lectures of the renowned scholars and historians who are stalwarts in different fields of historical research by listening to them. Thus the seminar fulfilled the objective in more than one way.

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