

THE ANNUAL PERFORMANCE STATEMENT

NAME OF THE INSTITUTION:

RAJA PEARY MOHAN COLLEGE,
UTTARPARA

1, Acharya Dhruva Pal Road,

P.O: Uttarpara, Dist: Hooghly, Pin: 712 258

YEAR OF REPORT: 2005-2006

PART A

FORMATION OF

IQAC

IQAC (Internal Quality Assurance Cell) was formally constituted with the following members that include the

- a. Dr. Milan Kumar Pal, Principal of the college as Chairman,
- b. Members of the Managing Committee of Governing Body, Non-teaching Staff Member of the Governing Body; Sri Sanyasi Ghosh, General Secretary of Student's Union. (It ensures the participation of a representative of Non-teaching Staffs and students respectively.)

- c. Dr. Tarit Kumar Bandyopadhyay, Bursar as Audit Officer,
- d. Teacher Members who are selected by the Teachers Council unanimously. The members are
- e. Dr. Kuntal Mukhopadhyay ii) Dr. Parbati Basak iii) Dr. Bulbul Thakur iv) Dr. Jolly Das v) Dr. Sanjukta Bhattacharya vi) Sri Anupam Mitra
- f. Dr. Raghupati Mukhopadhyay, Teachers Council Secretary,
- g. Dr. Jyotish Prakash Basu, Convenor of Primary Unit of WBCUTA,
- h. Sri Santoshree Chatterjee, Hon. Member of Parliament and
- i. Sri Pinaki Dhamali, Chairman of Municipality

The new Coordinator of IQAC was elected among the members on 17.06.2006.

Dr. Kuntal Mukhopadhyay is the new Co-ordinator of IQAC of Raja Peary Mohan College, Uttarpara

PART B

1. ACTIVITIES REFLECTING THE GOALS AND OBJECTIVES OF THE INSTITUTION

THE GOAL OF THE INSTITUTION IS

- a. To cater higher education to financially weaker section of the people of rural and urban areas of the districts of Hooghly, Howrah and North 24-Parganas in West Bengal.
- b. To spread female education.
- c. To provide opportunity of higher education to adult evening students.
- d. To excel as a higher education centre for Humanities, Science and Commerce streams.

Keeping these purposes in mind, the various activities during the period August 2005 – August 2006 to assure quality improvement of the college are enumerated as below:

[I] TOTAL NUMBER OF WORKING DAYS IN THE ACADEMIC YEAR, JULY '05 – JUNE '06

MONTH & YEAR	NO. OF DAYS	SUNDAYS	HOLIDAYS/CLASS SUSPENDED	WORKING DAYS
July '05	31	05	02	24
Aug '05	31	04	03	24
Sep '05	30	04	01	25
Oct '05	31	05	21	05
Nov '05	30	04	07	19

Dec '05	31	04	06	21
Jan '06	31	05	04	22
Feb '06	28	04	03	21
Mar '06	31	04	03	24
April '06	30	05	13**	12
May '06	31	04	17	10
June '06	30	04	07	19

**Some days were lost due to Assembly elections held in 2006.

Total No. of working days in Academic Year, July 2005 - June 2006 =
 $24 + 24 + 25 + 05 + 19 + 21 + 22 + 21 + 24 + 12 + 10 + 19 = 226.$

Detailed list of Holidays/class suspended are given in the Academic Calendar.

[II] ADMISSION OF 2006 (ADMISSION OF 2005 WAS ALREADY SHOWN TO NAAC PEER TEAM):

a. The following table depicts the admission that took place for the 2005-2006 session.

SUBJECT	NUMBER OF STUDENTS ADMITTED	
	MALE	FEMALE
ARTS STREAM		

1. GENERAL (PASS)	086	072
2. BENGALI (HONS)	012	028
3. ENGLISH (HONS)	016	014
4. HISTORY (HONS)	008	019
5. PHILOSOPHY (HONS)	004	037
6. POL. SCIENCE (HONS)	014	012
TOTAL	140	182

SCIENCE STREAM

1. GENERAL (PASS)	087	037
2. CHEMISTRY (HONS)	018	006
3. PHYSICS (HONS)	006	010
4. MATHEMATICS (HONS)	021	005
5. ECONOMICS (HONS)	005	006
6. BOTANY (HONS)	012	011
7. PHYSIOLOGY (HONS)	020	004

8. ZOOLOGY (HONS)	006	015
TOTAL	175	094
COMMERCE STREAM		
1. GENERAL	061	015
2. HONOURS	046	007
TOTAL	107	022
GRAND TOTAL	422	298

b. The following table depicts the admission that took place for the 2006-2007 session.

SUBJECT	NUMBER OF STUDENTS ADMITTED	
	MALE	FEMALE
ARTS STREAM		
1. GENERAL (PASS)	126	101
2. BENGALI (HONS)	013	035
3. ENGLISH (HONS)	006	016
4. HISTORY (HONS)	012	025
5. PHILOSOPHY (HONS)	004	034

6. POL. SCIENCE (HONS)	010	021
TOTAL	171	232
SCIENCE STREAM		
1. GENERAL (PASS)	088	027
2. CHEMISTRY (HONS)	032	008
3. PHYSICS (HONS)	017	004
4. MATHEMATICS (HONS)	017	007
5. ECONOMICS (HONS)	001	008
6. BOTANY (HONS)	007	011
7. PHYSIOLOGY (HONS)	008	011
8. ZOOLOGY (HONS)	006	015
TOTAL	168	090
COMMERCE STREAM		
1. GENERAL	094	018
2. HONOURS	045	013
TOTAL	139	031

GRAND TOTAL	478	353
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[III] UNIT COST OF EDUCATION:

Budget for the year 2005-2006.

SL. NO.	HEAD OF A/C	TOTAL EXPENSES
01.	Academic purposes	30,000
02.	Audit Fee	15,000
03.	Book Binding	20,000
04.	Building	4,00,000
05.	Centenary Hall	20,000
06.	College Central Computer and Xerox machine	1,50,000
07.	College Examination	50,000
08.	Contingency	20,000
09.	C.U and Council Examination, Registration, Migration, PPS etc.	4,70,200
10.	Educational Excursion	32,000

11.	Electricity (general) except Centenary Hall	3,50,000
12.	Furniture and Fixtures	1,75,000
13.	Games and Sports (including related refreshments)	20,000
14.	Insurance	1,313
15.	Interest on O/D	40,000
16.	Laboratory apparatus/Equipments (including maintenance)	28,000
17.	Laboratory Chemicals/Solvent oils/Gas etc.	36,000
18.	Lab. Materials/glass goods/stationary/party expenses	36,000
19.	Laboratory specimen	18,000
20.	Labour charges	10,000
21.	Law suit and Lawyer's honorarium	5,000
22.	Library Books	25,000
23.	Management expenses	4,000
24.	Municipal Tax	4,000

25.	NAAC Expenses	2,50,000
26.	Office Expenses	35,000
27.	Plan expenditure other than building	25,000
28.	Postages (including revenue stamp other than salary purpose)	1,000
29.	Printing and Outside Xerox (general other than College exam)	50,000
30.	Refund	52,800
31.	Remuneration	3,00,400
32.	Sanitation	3,500
33.	Service charges paid to N.T.S	13,505
34.	Settlement of Outstanding claims	2,50,000
35.	Special term deposit (S.T.D)	0
36.	Students Health Home (S.H.H)	8,320
37.	Students' Union (S.A.F and S.U.F)	75,230
38.	Subscriptions/Donations etc.	2,500
39.	Subsidy	7,200
40.	Telephone/Internet Expenses	45,000

41.	Travelling Allowances (T.A)	25,000
42.	Various/Miscellaneous Expenses	22,750
	Projected Deficit as on 31.03.05	- 2,68,436
	Total	28,89,282.00

CALCULATED UNIT COST OF EDUCATION in 2005-2006 [Annual Budget of 2005-2006 (given as above) divided by the total number of students in the year 2005-2006 (whose total number is 2057)]:

Rs. 1404 with salary component.

Rs. 1258 without salary component.

Rs. 1137 without salary component and NAAC expenses.

[IV] BUILDING EXPANSION:

As per Peer team suggestion, vertical expansion has been done with the addition of 3rd floor to the existing structure. The aging building has also been given a through makeover to withstand the expansion. The following improvement has been accomplished in the 2005-2006 Academic year.

- a. The outlay of funds for this transformation is 25 lakhs.
- b. Increase of 7,400 sq. m. of space is achieved which resulted in 7 new classrooms capable of accommodating 720 students.

- c. Each classroom is equipped with high and low benches, new blackboard and a audio system to facilitate teaching is also on the anvil.
- d. Painting of the college is finished giving it a spank new look.
- e. Two small gardens are being developed at the front and back of the college.
- f. Expansion of certain departments is in process like Physics, Chemistry, Botany, Zoology, Physiology, Mathematics, Economics and Commerce. Special care has been taken to ensure upgradation of laboratory and seminar library of these respective departments.
- g. Library roof renovation was done at the total cost of 1.25 lakhs to preserve rare books.
- h. Grills are installed in windows and balconies of the college to ensure safety of the students.
- i. A Maintenance Committee is setup to look after the overall infrastructural maintenance of the college.
- j. Future plans are afoot to increase the infrastructural capacity of the college. For this reason, 15 lakhs are applied from MP lad funds to upgrade the Physics department. Building funds are also being applied from UGC to upgrade the Ladies Common Room, to renovate the roof of the Physiology department and to construct a Ladies Hostel.

[V] TECHNICAL UPGRADATION:

Some technical upgradation is also done in keeping with the ever-changing scenario of technological evolution.

- a. The computer lab is now air-conditioned. 10 new desktop computers are bought for the IT course with advance configurations for 5 of the other existing ones. The College already possesses a LCD projector.
- b. Website upgradation is done regularly and broad-brand internet is available.
- c. Microphones for large classes are being installed to facilitate the interaction between the teachers and the students.
- d. The electrical system of the college is completely revamped to ensure efficiency and safety. The cost for total renovation of the load distribution system was 1 lakh.

[VI] JOB COURSE:

Six career-oriented courses have been introduced as suggested by the NAAC Peer Team. The courses are funded by UGC for which 12 lakhs (7 lakhs for Science stream and 5 lakhs for commerce stream) have been sanctioned.

NAME OF THE COURSE	COURSE CO-ORDINATOR
COURSES BELONGING TO THE SCIENCE STREAM	
i) Medical Laboratory Technology.	Dr. Bitanbindu Bandyopadhyay

ii) Fishery Management	Sri Uday Sankar Hazra
iii) Information & Computer Technology	Dr. Shyamal Chakraborty.
COURSES BELONGING TO COMMERCE STREAM	
v) Banking	Dr. Jyotish Prakash Basu
vi) Tax Practice Procedure	Sri Sudhin Kumar Bera
iv) E - Commerce	Sri Anupam Mitra

NATURE OF COURSE: 1 year Certificate Course / 6 disciplines

DATE OF COMMENCEMENT: January, 2007.

SYLLABUS: Prepared by College Faculty & Co-ordinators.

ADMISSION: December '06.

NO. OF STUDENTS PER COURSE: 20 students per course. Each course will be of 30 credits of which 10 credits will be assigned to field work / Project Work / Training.

[VII] RESEARCH:

a. A project entitled "A Study on the Variability of Total Electron Content near the Crest of the Equatorial Anomaly in the Indian zone" has been sanctioned by the INDIAN SPACE RESEARCH ORGANISATION (ISRO), Department of Space, Government of India, under RESPOND Program for financial assistance. Total approved grant

for the Project is Rs.6.96 lakhs for three years. Principal Investigator of the said Project is Dr. Shyamal Kumar Chakraborty, Department of Physics. The implementation date for the Project is 12th January, 2006. One Junior Research Fellow named Rajkumar Hajra, M.Sc. in Physics, has been recruited under this project.

The Project is mainly based on variability study of Ionospheric Total Electron Content (TEC) which is one of the important parameters for the Space Weather problem. TEC has been measured by Faraday rotation technique using trans-ionospheric signal (136.11 MHz) from the geostationary satellite ETS II. The data were recorded at the Ionospheric Field Station, Haringhata (22.48° N, 88.5° E, dip: 32° N) of the University of Calcutta. Field station, being situated virtually below the northern crest of the Equatorial anomaly, presents an excellent platform for studying Equatorial Phenomena. A long term (1979-90) TEC data base along with solar flux (810.7), electrojet/ magnetic and wind data will be utilized for the present analysis. Unique feature of the data base is that it includes both the increasing phase (1986-90) as well as decreasing phase (1979-85) of solar activity. Extensive study will be made to find out dependence of TEC, both qualitatively and quantitatively, on various geophysical parameters. The study will be useful in predicting the ionospheric group delay of trans-ionospheric signal as used in GPS and other systems.

b. New Minor Research Projects granted by UGC:

NAME OF THE TEACHER	NAME OF THE PROJECT	DURATION	FUNDING AGENCY	YEAR OF GRANT
i) Dr. Srutinath Praharaj (Dept. of Commerce)	Impact of IPRs on Indian Farmer community - A survey of some select districts of West Bengal	2005 - 2007	UGC	2005
ii) Dr. Jolly Das (Dept. of English)	The Past-Present interface in Girish Karnad's plays	2005 - 2007	UGC	2005
iii) Dr. Apurba Kumar De (Dept. of Bengali)	"Sishu Natya"	2006 - 2008	UGC	2006

c. Existing Minor Research Projects under UGC

NAME OF THE TEACHER	TITLE	PROGRESS
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<p>i) Dr. Bulbul Thakur (Dept. of Physiology)</p>	<p>Assessment of the effect of automobile exhaust on school children</p>	<p>In progress from 2005</p>
<p>iii) Dr. Partha Sarathi Ghosh (Dept. of Botany)</p>	<p>Identification and characterization of Phytoremediating potential of some plants</p>	<p>In progress from 2004</p>
<p>iv) Dr. Goutam Neogi (Dept. of History)</p>	<p>Rabindranath Tagore and Indian Freedom Movement</p>	<p>In progress from 2004</p>
<p>v) Dr. Jyotish Prokash Basu (Dept. of Economics)</p>	<p>Microfinance and Women Empowerment. A Study in West Bengal</p>	<p>In progress from 2005</p>
<p>vi) Dr. Arnab De (Dept. of Chemistry)</p>	<p>Development of low-cost technology for the removal of colour of pulp and paper mill effluents</p>	<p>In progress from 2004</p>
<p>vii) Dr. Anindita Mandal (Majee) (Dept. of Physiology)</p>	<p>Physical and motor fitness level of Indian (Bengali) school going girls of West Bengal</p>	<p>In progress from 2004</p>

[VIII] PUBLICATIONS:

a. COLLEGE PUBLICATIONS:

i) The visually attractive *College Bulletin* came out at the end of the year 2005 documenting many known and unknown facets of this heritage college.

ii) *Academic calendar* for the year 2005-2006 specifying the distribution of syllabus and number of classes allotted for the completion of the same.

iii) *Staff and Student diaries* for the year 2005-2006 are distributed.

iv) The Second issue (Vol.2 No:1) of the *Journal of Department of English, "Perspectives"* came out in the year 2006. The journal is a full-fledged international issue with contributions from international and national experts. It is virtually a collector's edition concentrating on the subject: "*Literatures in English*"

v.) The First issue of the *Journal of Department of Commerce* came out in the year 2005 containing invaluable articles written by experts of respective fields.

vi) The First issue of the *Journal of the Department of Physiology* is in the process of completion and is expected to be formally published soon.

b. INDIVIDUAL PUBLICATIONS:

NAME	TITLE OF THE PAPER	NAME OF THE JOURNAL	YEAR OF PUBLICATION
Dr. Debashis	Frames of	Journal of English	2006

Chattopadhyay	Marginalisation: Mahasweta Devi's Outcast: Four stories	Department, Sodertorns University, Stockholm, Sweden	
Dr. Jolly Das	The Queen and the Cobra in Naga-Mandala	Perspectives, The Journal of the Department of English, RPMC	2006
Sri Pinaki De	Utopias and the Paradigmatic Shift of Space	Perspectives, The Journal of the Department of English, RPMC	2006
Dr. Apurba Dey	Sishu Natak: mahala theke manche	Group Theatre Patrika	2005
	Aajker sonkat, aajker theatre	Jagruti Patrika	2006
	Moulik natya rachanar oitijha o uttoradhikar	Tatyakendra Patrika	2006
Dr. Jyotish	Microfinance in Rural West	Artha Beekshan (India); Volume 15, No.1	2006

Prokash Basu	Bengal: A case study of Hooghly District		
	“Does a woman’s participation in a credit program raise her empowerment in a household? A Study in the District of Hooghly, West Bengal, India”	Poverty, poverty alleviation and social disadvantage: Analysis, case studies and policies (Book edited by Tistell, professor of Economics, University of Queensland, Australia, published by Serial Publication, New Delhi)	2006
Dr. Shyamal Kumar Chakraborty	Estimation of Satellite-based Augmentation System Grid Size at Low Latitudes in the Indian Zone.	Navigation (USA)	Spring 2005
	Ionosphere near the Anomaly	Proceedings of XIV National Space Science	2006

	<p>crest in the Indian Zone during the Magnetic storm on March 13, 1989.</p>	<p>Symposium, India.</p>	
Dr. Arnab De	<p>Adsorption of acetic acid from water using coal fly ash and Hooghly river sediment.</p>	<p>Journal of Institution of Chemists (India)</p>	<p>2005</p>
	<p>Removal of acetic acid from water using coal fly ash and Hooghly river sediment</p>	<p>Journal of Industrial Pollution Control (India)</p>	<p>2006</p>
	<p>Decolorization of Malachite Green Dye Solution using</p>	<p>Journal of Industrial Pollution Control (India)</p>	<p>2006</p>

	coal fly ash as an adsorbent.		
Dr. Anindita Mondal (Majee)	Anthropometric studies in adolescent Indian Bengalee girls from West Bengal	Journal of Medical Science Vol.8(1) 62-67	2005
	Physical and Motor fitness level of Indian(Bengalee) school going girls	International Journal of Applied Sports Sciences	2006
Dr. Amal Chandra Mondal (co-author)	Differential and brain region specific regulation of Rap-1 and Epac in depressed suicide victims	Arch Gen Psychiatry (USA) 63:639-48	2006
	Brain region	Neuropsychopharmacology	2005

	<p>specific alterations in the protein and mRNA levels of protein kinase A subunits in the post-mortem brain of teenaged suicide victims</p>	<p>(Nature Publishing Group)</p>	
	<p>Suicide brain is associated with decreased expression of neurotrophins</p>	<p>Biological Psychiatry</p>	<p>2005</p>

[IX] ATTENDANCE OF INTERNATIONAL/NATIONAL CONFERENCE AS RESOURCE PERSON:

NAME	NAME OF THE SEMINAR	PLACE AND DATE	TITLE OF PAPER PRESENTED
Dr. Debashis	International	Sodertorns	Beyond the

Chattopadhyay	Seminar on Postcolonial Literature	University College, Hogskola, Sweden; 27-30 April 2006	<i>Other World:</i> Mahasweta Devi's dhouli and shanichari
	International Conference on Utopian Literature	Leiden University, Netherlands; October 25-27 2006	The Nonsense world of Sukumar Ray
	South Universities Cultural Festival	University of Jammu, Jammu-Tawai; February 2006	Shakespeare's songs
	International Conference on Literatures in English	Ch. Charan Singh University, Meerut, U.P.; 15-16 December 2005	Frames of Marginalisation in Mahasweta Devi's <i>Outcast:</i> <i>Four Stories.</i>
	International Conference on English	Department of Humanities and Social Sciences,	Reading the margins: Subordinate

	Literature	IIT Roorkee; 13-15 October 2005	Figures in Things Fall Apart.
Dr. Hrishita Gupta Bakshi	UGC Sponsored National Seminar on Women, Society and Literature	Hooghly Women's College, WB; 27.01.06-28.01.06	Aajker Bangla Sahitye Adhunik Nari
Dr. Jyotish Prakash Basu	International Seminar on Agricultural Economics	Sistan and Baluchestan University, Zehdan Iran; 29-31 August 2005	Marketing Efficiency and Marketing Channels: A Study of Potato Markets in Rural West Bengal.
	JEPA Conference	JEPA; 17-18 December 2005	Does Joint Forest Management improve the welfare of the poor households? A Study in the

			Districts of South West Bengal, India
	International Conference – IAAE Conference	University of Queensland, Australia; 12-18 August 2006	Co-integration and Market Integration: An application to the Potato markets in rural West Bengal
Smt. Mala Bhattacharya	UGC Seminar on Economics	Dakshineswar College, Kolkata; 15-16 December 2005	Micro credit, Self-help groups and Empowerment of Women
Dr. Shyamal Chakraborty	XIV National Space Science ISRO Symposium	Andhra University, Visakhapatnam; February 2006	Ionosphere near the Anomaly crest in the Indian Zone during the Magnetic storm on March 13,

			1989.
Dr. Arnab Dey	Annual National Convention of Chemists	Department of Chemistry, Viswabharati University, Santiniketan; 11-14 February 2006	On Chemical dyes
Dr. Maitri Bose (Biswas)	UGC Sponsored National Seminar on Women, Society and Literature	Hooghly College, WB; 27.01.06-28.01.06	Women and Globalization
Sri Anupam Mitra	Tasks and challenges on Intellectual Property Rights	Department of Human Resource Development, Govt. of India; 02-03.09.2005	Monetary Policy and the role of RBI

[IX] ACADEMIC RESULTS:

STATEMENT OF RESULTS IN THE YEAR - 2005

		Stream	Appeared	Absent	Promoted			Failed
					I st Class	II nd Class	Pass	
Part II	Honours	B.A	100	03	01	85	10	01
		B.Sc	80	04	13	59	04	00
		B.Com	49	01	15	27	05	01
	General	B.A	113	00	22	71	00	20
		B.Sc	109	00	11	79	15	03
		B.Com	35	00	02	33	00	00
Part I	Honours	Stream	Appeared	Absent	Qualified as Honours	Qualified as General	Failed	
		B.A	143	07	123	07	06	
		B.Sc	153	23	094	10	26	
	B.Com	64	02	061	00	01		
	General	B.A	175	18	114	N.A	43	
		B.Sc	163	12	120	N.A	31	

		B.Com	108	09	063	N.A	36
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STATEMENT OF RESULTS IN THE YEAR - 2006

		Stream	Appeared	Absent	Promoted			Failed
					I st Class	II nd Class	Pass	
Part II	Honours	B.A	127	01	00	110	15	01
		B.Sc	100	02	18	67	06	07
		B.Com	060	00	35	24	01	00
	General	B.A	110	00	00	106	00	04
		B.Sc	124	05	19	105	00	00
		B.Com	61	00	00	61	00	00

[X] EXAMINATION CONDUCTED:

The college has a great track-record of successfully conducting various examinations.

a. Central Examination of CU:

- i) 1st Yr. Mid Tem (1+1+1) B.A., B.Sc., B.Com.
- ii) B.A., B.Sc., B.Com. Part II test (2+1) Dec '05
- iii) B.A., B.Sc. Part I test (2+1) Feb '06
- iv) B.Com. Part I test (2+1) Jan '06

v) B.A/B.Sc., B.Com. Part II Exam May – June 06

vi) B.Com. Part II Exam May – June 06

b. The college has emerged as a Zonal answer scripts distribution centre of various Calcutta University examinations.

i) Bengali: B.Com. Part I (2+1) Comp. Bengali

ii) English: B.Com. Part I (2+1) Comp. English

iii) Political Science: B.A. Part I (2+1) General Paper 1

iv) Philosophy: B.A. Part I (1+1+1) General Paper 1

v) Physics: B.Sc. Part I Practical Exam. Centre

vi) Chemistry: B.Sc. Part I Practical Exam. Centre

c. Internal college examinations like Half-yearly, Annual and Test examination regularly take place under the watchful eyes of the Examination Committee. Departmental Examinations which include Class tests, Unit tests of Honours & General courses are taken by the respective departments.

[XII] ACTIVITIES OF THE STUDENT UNION:

The Student Union is an active and constructive body in the college managed democratically by the students themselves. They organize a bevy of activities, a summary of which is given below:

NAME OF THE PROGRAMME	DATE
Inter Class Cultural Competition	25.08.05

Inter Class Sports Competition	01.09.05 to 09.09.05
Annual Sports	25.11.05
Students Festival	01.12.05 to 02.12.05
College Magazine	Published on 20.11.05
Observation of Black Day	16.12.05
Bhasa Dibas (Language Day)	21.02.06
Saraswati Puja	03.02.05
Fresher's Welcome	18.07.06

2. NEW ACADEMIC PROGRAMMES INITIATED (UG AND PG)

a. INTRODUCTION OF 1+1+1 SYSTEM OF EXAMINATION: The college is affiliated to Calcutta University and new academic programmes under 1+1+1 system of examination recently introduced by the university are also applicable to the college. The college, in itself, cannot actively implement any new academic programme.

b. INTRODUCTION OF JOB COURSE: Six career-oriented courses have been introduced as suggested by the NAAC Peer Team. The courses are

funded by UGC for which 12 lakhs (7 lakhs for Science stream and 5 lakhs for commerce stream) have been sanctioned.

NAME OF THE COURSE	COURSE CO-ORDINATOR
COURSES BELONGING TO THE SCIENCE STREAM:	
i) Medical Laboratory Technology.	Dr. Bitanbindu Bandyopadhyay
ii) Fishery Management	Sri Uday Sankar Hazra
iii) Information & Computer Technology	Dr. Shyamal Chakraborty.
COURSES BELONGING TO COMMERCE STREAM:	
v) Banking	Dr. Jyotish Prakash Basu
vi) Tax Practice Procedure	Sri Sudhin Kumar Bera
iv) E - Commerce	Sri Anupam Mitra

NATURE OF COURSE: 1 year Certificate Course in all six disciplines

DATE OF COMMENCEMENT: January, 2007.

SYLLABUS: Prepared by College Faculty & Co-ordinators.

ADMISSION: December '06.

NO. OF STUDENTS PER COURSE: 20 students per course. Each course will be of 30 credits of which 10 credits will be assigned to field work / Project Work / Training.

**c. NETAJI SUBHAS OPEN UNIVERSITY – RPMC STUDY CENTRE
(CODE NO. H – 03):**

The Study Centre has received approval for functioning as an admission centre for PG Courses on **01.06.05** & from that time onward it is dutifully servicing its duties in accordance with the request of the University. In brief, the activities done by the Study Centre during last year (2005 – 06) & the proposal for coming session are listed below.

Activities during the session 2005 – 2006

- i) Admission to PG Courses: 14 candidates.
- ii) Admission to PG Diploma courses: 04 candidates
- iii) Execution of assignment cum Evaluation (Practical Classes) for 100 Honours students including 1st year, 2nd year & 3rd year classes in Physics, Chemistry, Botany and Zoology. The classes continued for 15 days and heartiest cooperation was extended by the Departmental teachers and Laboratory Staff. The programme was successfully executed.
- iv) The Study Centre has also executed PG Part II Examination '05 of the University with success.

Activities during the Session 2006 – 2007

- i) Admission to PG Courses: 17 candidates.

- ii) Admission to PG Diploma Courses: 04 candidates.
- iii) Assignment cum Evaluation Programme will be executed during Puja Vacation 2006.

3. INNOVATIONS IN CURRICULAR DESIGN AND TRANSACTION

The college is affiliated to Calcutta University and the curricular reforms under 1 + 1+ 1 system of examination recently introduced by the university are also applicable to the college. The college actively participated to implement the curricular changes and faculty inputs are given regularly to the University which in turn helps the authorities to reshape the syllabus of various subjects.

4. INTER-DISCIPLINARY PROGRAMMES STARTED

Teachers' Council regularly organises interactive sessions among teachers of various departments in the college, formally called "Pathachakra" ("Study Circle"), to encourage the inter-disciplinary approach. The sessions are also formally published in the magazine "Charcha" so that the valuable inputs are not lost in the vagaries of time. During the 2005-2006 year the following sessions are held which in turn are compiled in the 2nd volume of "Charcha"

- a. *On Terrorism* – a discussion by *Dr. Gopinath Dutta*, Head of the Department, Political Science, on 01.10.05.
- b. *Manush Na-Manush: A Concourse of Traditions* by *Dr. Debashis Chattopadhyay*, Head of the Department, English, on 19.11.05.
- c. *No Water no future* – a discussion by *Dr. Arnab Dey*, Senior Lecturer, Department of Chemistry, on 14.12.2005.

5. EXAMINATION

REFORMS IMPLEMENTED

The college is affiliated to Calcutta University and the examination reforms under 1+1+1 system recently introduced by the university are also applicable to the college. The college, in itself, cannot actively implement any examination reforms although inputs are given regularly to the University which in turn helps the authorities to reshape the system.

6. CANDIDATES QUALIFIED IN

NET/SLET/GATE

The college presently doesn't have the provision of post-graduate courses. The minimum criterion needed to apply for NET/SLET/GATE is 55% in masters. So the college actively cannot encourage the students for these examinations. However, the college alumni have a good track record in these examinations. Last year, we have record of one such alumnus who qualified NET (2006) in English, the details of which is given below:

NAME	DEPARTMENT	YEAR OF STUDY IN THE COLLEGE	YEAR OF NET QUALIFICATION
Somnath Pal	English	1999	2006

7. INITIATIVE TOWARDS FACULTY DEVELOPMENT PROGRAMME

The teachers regularly take part in international, national and state level seminars to keep themselves updated on the current trends in their respective subjects. They also attend the Orientation and Refresher courses regularly as per UGC guidelines.

NAME	DEPT.	NATURE OF COURSE	UNIVERSITY	DURATION OF PARTICIPATI ON
Sri Pinaki De	English	Oriental on	Jadavpur University	10.07.06 - 05.08.06
Sri Pinaki De	English	Refresher	Calcutta University	01.09.06 - 21.09.06
Dr. Hrishita Gupta Bakshi	Bengali	Refresher	Rabindra Bharati University	18.11.05 - 08.12.05
Dr. Sugopa	Physics	Refresher	Calcutta	08.07.05 -

Ghosh Mondal			University	28.07.05
Dr. Partha Sarathi Ghosh	Botany	Refresher	Pune University	05.09.06 - 25.009.06

8. TOTAL NUMBER OF SEMINARS / WORKSHOPS CONDUCTED

NAME OF THE SEMINAR/CONFERENCE /SYMPOSIA /WORKSHOP ETC.	NAME OF THE SPONSORING AGENCY	DATE
a) Tasks and challenges on Intellectual Property Rights	Department of Human Resource Development, Govt. of India	02.09.2005-03.09.2005
b) Commemoration of the Centenary of the invention of the Theory of Relativity by Albert Einstein	Department of Science and Technology, Govt. of West Bengal	13.01.2006
c) Recent Advances in Molecular and Integrative Physiology	UGC	16.12.2005-17.12.2005

d) Swami Vivekananda - His Relevance in Today's World	Teachers Council of Raja Peary Mohan College	12.01.2006
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9.

RESEARCH PROJECTS

A. NEWLY IMPLEMENTED:

a. A project entitled "A Study on the Variability of Total Electron Content near the Crest of the Equatorial Anomaly in the Indian zone" has been sanctioned by the INDIAN SPACE RESEARCH ORGANISATION (ISRO), Department of Space, Government of India, under RESPOND Program for financial assistance. Total approved grant for the Project is Rs.6.96 lakhs for three years. Principal Investigator of the said Project is Dr. Shyamal Kumar Chakraborty, Department of Physics. The implementation date for the Project is 12th January, 2006. One Junior Research Fellow named Rajkumar Hajra, M.Sc. in Physics, has been recruited under this project.

The Project is mainly based on variability study of Ionospheric Total Electron Content (TEC) which is one of the important parameters for the Space Weather problem. TEC has been measured by Faraday rotation technique using trans-ionospheric signal (136.11 MHz) from the geostationary satellite ETS II. The data were recorded at the Ionospheric Field Station, Haringhata (22.48° N, 88.5° E, dip: 32° N) of

the University of Calcutta. Field station, being situated virtually below the northern crest of the Equatorial anomaly, presents an excellent platform for studying Equatorial Phenomena. A long term (1979-90) TEC data base along with solar flux (810.7), electrojet/ magnetic and wind data will be utilized for the present analysis. Unique feature of the data base is that it includes both the increasing phase (1986-90) as well as decreasing phase (1979-85) of solar activity. Extensive study will be made to find out dependence of TEC, both qualitatively and quantitatively, on various geophysical parameters. The study will be useful in predicting the ionospheric group delay of trans-ionospheric signal as used in GPS and other systems.

b. New Minor Research Projects granted by UGC:

NAME OF THE TEACHER	NAME OF THE PROJECT	DURATION	FUNDING AGENCY	YEAR OF GRANT
i) Dr. Srutinath Praharaj (Dept. of Commerce)	Impact of IPRs on Indian Farmer community – A survey of some select districts of West Bengal	2005 – 2007	UGC	2005

ii) Dr. Jolly Das (Dept. of English)	The Past-Present interface in Girish Karnad's plays	2005 - 2007	UGC	2005
iii) Dr. Apurba Kumar De (Dept. of Bengali)	"Sishu Natya"	2006 - 2008	UGC	2006

B. COMPLETED/IN PROGRESS:

c. Old Minor Research Projects under UGC

NAME OF THE TEACHER	TITLE	PROGRESS
i) Dr. Bulbul Thakur (Dept. of Physiology)	Assessment of the effect of automobile exhaust on school children	In progress from 2005
iii) Dr. Partha Sarathi Ghosh (Dept. of Botany)	Identification and characterization of Phytoremediating potential of some plants	In progress from 2004
iv) Dr. Goutam Neogi	Rabindranath Tagore and	In progress

(Dept. of History)	Indian Freedom Movement	from 2004
v) Dr. Jyotish Prokash Basu (Dept. of Economics)	Microfinance and Women Empowerment: A Study in West Bengal	In progress from 2005
vi) Dr. Arnab De (Dept. of Chemistry)	Development of low-cost technology for the removal of colour of pulp and paper mill effluents	In progress from 2004
vii) Dr. Anindita Mandal (Majee) (Dept. of Physiology)	Physical and motor fitness level of Indian (Bengali) school going girls of West Bengal	In progress from 2004

10. PATENTS

GENERATED, IF ANY

Not Applicable.

11. NEW COLLABORATIVE RESEARCH PROGRAMMES

A project entitled "A Study on the Variability of Total Electron Content near the Crest of the Equatorial Anomaly in the Indian zone" has been sanctioned by the INDIAN SPACE RESEARCH

ORGANISATION (ISRO), Department of Space, Government of India, under RESPOND Program for financial assistance. Total approved grant for the Project is Rs.6.96 lakhs for three years. Principal Investigator of the said Project is Dr. Shyamal Kumar Chakraborty, Department of Physics. The implementation date for the Project is 12th January, 2006. One Junior Research Fellow named Rajkumar Hajra, M.Sc. in Physics, has been recruited under this project.

The Project is mainly based on variability study of Ionospheric Total Electron Content (TEC) which is one of the important parameters for the Space Weather problem. TEC has been measured by Faraday rotation technique using trans-ionospheric signal (136.11 MHz) from the geostationary satellite ETS II. The data were recorded at the Ionospheric Field Station, Haringhata (22.48° N, 88.5° E, dip: 32° N) of the University of Calcutta. Field station, being situated virtually below the northern crest of the Equatorial anomaly, presents an excellent platform for studying Equatorial Phenomena. A long term (1979-90) TEC data base along with solar flux (810.7), electrojet/ magnetic and wind data will be utilized for the present analysis. Unique feature of the data base is that it includes both the increasing phase (1986-90) as well as decreasing phase (1979-85) of solar activity. Extensive study will be made to find out dependence of TEC, both qualitatively and quantitatively, on various geophysical parameters. The study will be useful in predicting the ionospheric group delay of trans-ionospheric signal as used in GPS and other systems.

12. RESEARCH GRANTS RECEIVED FROM VARIOUS AGENCIES

Presently research work is being carried in the college under the aegis of

- a. UGC (Minor Research Projects)
- b. INDIAN SPACE RESEARCH ORGANISATION (ISRO), Department of Space, Government of India, under RESPOND Program.

13. DETAILS OF RESEARCH SCHOLARS

Already given in the entry (No. 9) regarding research

14. CITATION INDEX OF FACULTY MEMBERS AND IMPACT FACTOR

a. Citation index of Dr. Amal Chandra Mondal, Lecturer in the Department of Physiology is given below:

JOURNAL IMPACT FACTOR (2005)

i) ARCHIVE OF GENERAL PSYCHIATRY 63(6): 639-48 JUN 2006: 12.642

ii) BIOLOGICAL PSYCHIATRY 58 (4): 315-24 AUG 2005: 6.779

CITATIONS INDEX OF PUBLISHED PAPERS

i) Dwivedi Y, Mondal AC, Rizavi HS, et al.

Single and repeated stress-induced modulation of phospholipase C catalytic activity and expression: Role in LH behavior

NEUROPSYCHOPHARMACOLOGY 30 (3): 473-483 MAR 2005

Times Cited: 4

- Chen H, Pandey GN, Dwivedi Y
Hippocampal cell proliferation regulation by repeated stress and antidepressants

NEUROREPORT 17 (9): 863-867 JUN 26 2006

Times Cited: 0

- Dwivedi Y, Mondal AC, Rizavi HS, et al.
Differential and brain region-specific regulation of rap-1 and Epac in depressed suicide victims

ARCHIVES OF GENERAL PSYCHIATRY 63 (6): 639-648 JUN 2006

Times Cited: 0

- Yagasaki Y, Numakawa T, Kumamaru E, et al.
Chronic antidepressants potentiate via sigma-1 receptors the brain-derived neurotrophic factor-induced signaling for glutamate release

JOURNAL OF BIOLOGICAL CHEMISTRY 281 (18): 12941-12949 MAY 5 2006

Times Cited: 0

- Hill MN, Gorzalka BB
Is there a role for the endocannabinoid system in the etiology and treatment of melancholic depression?

BEHAVIOURAL PHARMACOLOGY 16 (5-6): 333-352 SEP 2005

Times Cited: 4

ii) Dwivedi Y, Mondal AC, Payappagoudar GV, et al.

Differential regulation of serotonin (5HT)_{2A} receptor mRNA and protein levels after single and repeated stress in rat brain: role in learned helplessness behavior

NEUROPHARMACOLOGY 48 (2): 204-214 FEB 2005

Times Cited: 3

- Chen H, Pandey GN, Dwivedi Y

Hippocampal cell proliferation regulation by repeated stress and antidepressants

NEUROREPORT 17 (9): 863-867 JUN 26 2006

Times Cited: 0

- Milian MJ

Multi-target strategies for the improved treatment of depressive states: Conceptual foundations and neuronal substrates, drug discovery and therapeutic application

PHARMACOLOGY & THERAPEUTICS 110 (2): 135-370 MAY 2006

Times Cited: 0

- Ripoll N, Hascoet M, Bourin M

Implication of 5-HT_{2A} subtype receptors in DOI activity in the four-plates test-retest paradigm in mice

BEHAVIOURAL BRAIN RESEARCH 166 (1): 131-139 JAN 6

2006

Times Cited: 0

iii) Dwivedi Y, Mondal AC, Shukla PK, et al.

Altered protein kinase A in brain of learned helpless rats: Effects of acute and repeated stress

BIOLOGICAL PSYCHIATRY 56 (1): 30-40 JUL 1 2004

Times Cited: 6

- Chen H, Pandey GN, Dwivedi Y

Hippocampal cell proliferation regulation by repeated stress and antidepressants

NEUROREPORT 17 (9): 863-867 JUN 26 2006

Times Cited: 0

- Tyano S, Zalsman G, Ofek H, et al.

Plasma serotonin levels and suicidal behavior in adolescents

EUROPEAN NEUROPSYCHOPHARMACOLOGY 16 (1): 49-57 JAN 2006

Times Cited: 0

- Hayley S, Poulter MO, Merali Z, et al.

The pathogenesis of clinical depression: Stressor- and cytokine-induced alterations of neuroplasticity

NEUROSCIENCE 135 (3): 659-678 2005

Times Cited: 1

iv) Ghosh MC, Mondal AC, Basu S, et al.

Dopamine inhibits cytokine release and expression of tyrosine kinases,

Lck and Fyn in activated T cells

INTERNATIONAL IMMUNOPHARMACOLOGY 3 (7): 1019-1026 JUL

2003

Times Cited: 10

- Watanabe Y, Nakayama T, Nagakubo D, et al.
Dopamine selectively induces migration and homing of naive CD8(+) T cells via dopamine receptor D3
JOURNAL OF IMMUNOLOGY 176 (2): 848-856 JAN 15 2006
Times Cited: 0
- Besser MJ, Ganor Y, Levite M
Dopamine by itself activates either D2, D3 or D1/D5 dopaminergic receptors in normal human T-cells and triggers the selective secretion of either IL-10, TNF alpha or both
JOURNAL OF NEUROIMMUNOLOGY 169 (1-2): 161-171 DEC 2005
Times Cited: 1
- Beck G, Hanusch C, Brinkkoetter P, et al.
Effects of dopamine on cellular and humoral immune responses in septic patients
ANAESTHESIST 54 (10): 1012+ OCT 2005
Times Cited: 0
- Torres KCL, Antonelli LRV, Souza ALS, et al.
Norepinephrine, dopamine and dexamethasone modulate discrete leukocyte subpopulations and cytokine profiles from human

PBMC

JOURNAL OF NEUROIMMUNOLOGY 166 (1-2): 144-157 SEP

2005

Times Cited: 1

- Meredith EJ, Chamba A, Holder MJ, et al.

Close encounters of the monoamine kind: immune cells betray their nervous disposition

IMMUNOLOGY 115 (3): 289-295 JUL 2005

Times Cited: 2

- v) Saha B, Mondal AC, Majumder J, et al.

Physiological concentrations of dopamine inhibit the proliferation and cytotoxicity of human CD4+ and CD8+ T cells in vitro: A receptor-mediated mechanism

NEUROIMMUNOMODULATION 9 (1): 23-33 2001

Times cited: 16

- Oberbeck R, Schmitz D, Wilsenack K, et al.

Dopamine affects cellular immune functions during polymicrobial sepsis

INTENSIVE CARE MEDICINE 32 (5): 731-739 MAY 2006

Times Cited: 0

- Boneberg EM, von Seydlitz E, Propster K, et al.

D3 dopamine receptor mRNA is elevated in T cells of schizophrenic patients whereas D4 dopamine receptor mRNA is reduced in CD4(+)-T cells

JOURNAL OF NEUROIMMUNOLOGY 173 (1-2): 180-187 APR

2006

Times Cited: 0

- Wrona D

Neural-immune interactions: An integrative view of the bidirectional relationship between the brain and immune systems

JOURNAL OF NEUROIMMUNOLOGY 172 (1-2): 38-58 MAR 2006

Times Cited: 1

- Besser MJ, Ganor Y, Levite M

Dopamine by itself activates either D2, D3 or D1/D5 dopaminergic receptors in normal human T-cells and triggers the selective secretion of either IL-10, TNF alpha or both

JOURNAL OF NEUROIMMUNOLOGY 169 (1-2): 161-171 DEC

2005

Times Cited: 1

- Strauss U, Herbrink M, Mix E, et al.

Dopamine exerts no acute effects on Kv1.3 in activated encephalitogenic T cells

NEUROIMMUNOMODULATION 12 (1): 45-53 2005

Times Cited: 0

vi) Saha B, Mondal AC, Basu S, et al.

Circulating dopamine level, in lung carcinoma patients, inhibits proliferation and cytotoxicity of CD4+ and CD8+ T cells by D1 dopamine

receptors: an in vitro analysis

INTERNATIONAL IMMUNOPHARMACOLOGY 1 (7): 1363-1374 JUL

2001

Times cited: 12

- Besser MJ, Ganor Y, Levite M

Dopamine by itself activates either D2, D3 or D1/D5

dopaminergic receptors in normal human T-cells and triggers the selective secretion of either IL-10, TNF alpha or both

JOURNAL OF NEUROIMMUNOLOGY 169 (1-2): 161-171 DEC

2005

Times Cited: 1

- Giorelli M, Livrea P, Trojano M

Dopamine fails to regulate activation of peripheral blood

lymphocytes from multiple sclerosis patients: Effects of IFN-beta

JOURNAL OF INTERFERON AND CYTOKINE RESEARCH 25 (7):

395-406 JUL 2005

Times Cited: 0

- Meredith EJ, Chamba A, Holder MJ, et al.

Close encounters of the monoamine kind: immune cells betray their nervous disposition

IMMUNOLOGY 115 (3): 289-295 JUL 2005

Times Cited: 2

- Peuschel KE

Antiviral therapy with non-selective beta-blockers: preliminary

experimental and clinical corroboration

MEDICAL HYPOTHESES 64 (2): 256-260 2005

Times Cited: 0

b. Citation index of Dr. Apurba Dey is given below:

i) De Apurba

Silaidaha parbe Rabindra Sahitya (Literature of Rabindranath during Silaidaha phrase) published by Sahitya Sangee, Kolkata, 2006.

- Biswas Prodhyut

Chinnapatra: chinnatar ontorale (Behind Chinnapatra), Sahitya Sangee, Kolkata, 2006.

Times cited: 4 (page 15-17)

ii) De Apurba

Tiner Talowar: Espater Talowar

- Bandyopadhyay Partha Pratim

Tiner Talowar: Theatre-er aaina (Tiner Talowar: Mirror of Theatre)

Times cited: 8.

15. HONOURS/AWARDS

TO THE FACULTY

a. Dr. Kuntal Mukhopadhyay is awarded honorary fellowship of the Bengali Department by Jadavpur University in 2006.

- b. *Dr. Kuntal Mukhopadhyay* is awarded the Bikalpa Nirman Award 2005 for his outstanding contribution in the field of drama as the director of Theatre group, Sanlaap Kolkata.
- c. *Dr. Apurba Dey* is awarded the Kaliprasad Chakraborty Award 2005 instituted by Group Theatre Patrika for his outstanding contribution in the field of drama.
- d. *Smt. Sanjukta Bhattacharya* is awarded Doctorate in Philosophy from Jadavpur University on 14.01.06.
- e. *Sri Sudhin Bera* has submitted his doctoral thesis at Kalyani University on 27.07.06 and is waiting to be awarded Doctorate in Commerce.
- f. *Sri Pinaki De* is mentioned as a nominee from India for the award of best Penguin designer in the world at the Penguin worldwide website: *The Bird* before the World Book Fair 2005, Frankfurt.

16. INTERNAL RESOURCES GENERATED

Various departments like Commerce, English, Political Science, Philosophy and Bengali have generated funds to buy books, almirahs and printers of their own. Commerce and English Department (Physiology department is following suit) have published their own journal as well which marks a first of its kind in undergraduate departments of the state.

17. DETAILS OF DEPARTMENTS GETTING SAP, COSIST (ASSIST)/DST, FIST. ETC. ASSISTANCE/RECOGNITION

Not Applicable.

18.

COMMUNITY SERVICES

The college boasts of excellent track record with respect to social services.

a. NATIONAL SERVICE SCHEME

Governing Body of Raja Peary Mohan College resolved to open a NSS unit in this college on 12.10.2004. Accordingly, two units of NSS were proposed to be opened and necessary action was taken for getting the University affiliation. On 04.05.2005, we got the approval from Calcutta University. An advisory committee has been formed with the Principal, Dr. Milan Kumar Pal as the chairman and Dr Anindita Mandal (Majee) as the convenor. There are 200 student members who form the backbone of the activities undertaken in the nearby slum areas recently.

b. ACHARYA PRAFULLA CHANDRA ROY ECO CLUB

Raja Peary Mohan College Eco Club was established in a joint collaboration with "Pachim Banga Bigyan Mancha", a body actively engaged in enhancing scientific awareness throughout the state. In fact

it is the only organisation of its kind in an undergraduate college in West Bengal. The A.P.C Roy Eco Club have completed one year on September 2005. Accordingly the 1st conference was held on 13.09.05 at the Centenary Hall in the college premises. A seminar lecture was arranged to mark the occasion. Dr. Bhabani Shankar Joarder, Secretary, Pachim Banga Vigyan Mancha Hooghly District committee delivered a lecture on contemporary environmental issues to increase the environmental awareness of the students. Another unique seminar was organised to commemorate the centenary year of Physics (2005) on 13.01.06 at the Centenary Hall. Mr. Sushanta Bagchi, Ex-Head and Lecturer of the Department of Physics, Raja Peary Mohan College and Dr. Anshutosh Khan, Reader in Physics, Ashutosh College delivered lectures on Theory of Relativity and its implications. The students of different schools also joined in this seminar. The wall magazine of the A.P.C Eco Club, *Sabujara Ritubarnamala* (a phrase borrowed from Rabindranath Tagore meaning the "greenish hue of different seasons") is being published 4 times a year. The club has a grand plan to make a Biodiversity Register of a particular village compiled by the students of the college.

c. SOCIO-ECONOMIC SURVEY

i) Department of Economics has conducted a socio-economic survey on Self-Help Groups (SHGs) of Microfinance in Hooghly district (Tarakeswar block) of West Bengal. Fifty-five women were surveyed by

the students of the Department of Economics under the aegis of Dr. Jyotish Prakash Basu on 18.10.2006.

ii) Another comprehensive survey has been undertaken by the Department in Singur block of Hooghly District, West Bengal on SHGs of Microfinance in the month of September 2006.

iii) Department of Economics under the able guidance of Dr. Jyotish Prakash Basu conducted a survey on Self-Help Groups (SHGs) of Microfinance in Hooghly district (Mogra block) of West Bengal on September 2006.

d. SERVICE LEARNING THROUGH BLOOD DONATION

The Students Union of Raja Peary Mohan College organized a Blood Donation Camp on 16.09.2006 in collaboration with Central Blood Bank, Manicktala, Kolkata. The College has collected 60 donors. The blood is stored and transported under optimum condition with the help of Central Blood Bank workers and Students of the College. Transfusion was always under the supervision of trained personnel. Under the policy, blood transfusion is available to people irrespective of their economic or social status.

e. TOTAL LITERACY DRIVE

The Department of Bengali, Raja Peary Mohan College regularly visits the primary schools in the slums area of Uttarpara, Hooghly and teaches the socio-economically backward students of the school. The

resource for this is generated by the teachers and department of Bengali. The literacy drive has made possible to improve the performance of the students and also promote volunteerism and community work in the field of education and child empowerment.

19. TEACHERS AND OFFICERS NEWLY RECRUITED

a. *Smt. Rajrupa Mitra* has joined Economics Department on 17.11.05

b. *Sri Samir Roy* has joined Mathematics Department on 25.09.06

20. TEACHING AND NON- TEACHING STAFF RATIO



The approximate ratio of 3:1 is maintained.

21. IMPROVEMENTS IN LIBRARY SERVICES

The library catalogue is being wholly computerized. This monumental work is progressing satisfactorily and is expected to be completed by next year. The library infrastructure has also been revamped with more organised racks, proper seating arrangements and improved

toilet/drinking water facilities. Each department is upgrading their seminar library with addition of new books and journals.

22. NEW BOOKS/JOURNALS SUBSCRIBED AND THEIR VALUE

Since the complete computerization of the library is taking place no new books were added in order to facilitate stock taking although plan outlay has been already made to acquire new books.

23. COURSES IN WHICH STUDENT ASSESSMENT OF TEACHERS IS INTRODUCED AND THE ACTION TAKEN ON STUDENT FEEDBACK

Detailed analysis of the student feedback for the session 2005-2006 is done and remedial measures are taken in consultation with the teachers. The internal report remains with the Principal who selects areas of concern to be addressed on priority basis to departments or individual teachers. An abridged report is also circulated among the teachers which are given below:

a. FEEDBACK REGARDING TEACHING AND EVALUATION:

i) COMMERCE:

Overall assessment of the departmental teachers is exceptionally good with few exceptions as mentioned below:

- Need for more classrooms.
- Need for basic facilities like more computers, books and periodicals.

Overall assessment of the department:

The teachers are extremely cordial and friendly. Always ready to help. Classes are taken regularly. Assignments are completed in time. The teachers are responsive to the queries of the students.

ii) BIOLOGICAL SCIENCES:

Botany: Overall assessment of the departmental teachers is very good with a few. Exceptions are mentioned below:

- Class tests should be taken.
- Number of classes should increase.
- Shortage of teaching staff.

Physiology: Overall assessment of the departmental teachers is very good with a few exceptions mentioned below:

- Increase of more Honours classes.
- More Class tests should be taken to enable students to know their drawbacks.

Zoology: Overall assessment of the departmental teachers is very good with a few. Exceptions are mentioned below:

- Need for more practical classes for practice.
- Need for computer and internet facilities.

Overall assessment:

- Laboratory facilities should be upgraded and space expanded.
- More practical and theory classes for general students.
- Frequent class tests for all class.
- Minimum time gap between two successive periods.
- Computer with internet facilities must be available.
- Need for more books in the central and seminar library which should be accessible to the students.

iii) PURE SCIENCES

Physics: Overall assessment of the departmental teachers is very good with a few. Exceptions are mentioned below:

- Upgradation of the laboratory needed.
- More laboratory equipments are needed.
- Separate room for classes and practical classes are necessary.

Chemistry: Overall assessment of the departmental teachers is very good with a few. Exceptions are mentioned below:

- Computer is necessary.
- Need for a separate physical chemistry practical laboratory.
- Laboratory status should be arranged in time.
- Laboratory items should be arranged in time.
- Need for more teaching staffs.

Economics: Overall assessment of the departmental teachers is very good with a few. Exceptions are mentioned below:

- Need for more teaching staff.

- Syllabus not completed in time.
- No regular class tests are taken.

Mathematics: Overall assessment of the departmental teachers is very good with a few. Exceptions are mentioned below:

- Shortage of teaching staffs.
- Number of classes should be increased to complete the syllabus.

Overall assessment:

- Shortage of teaching and non teaching or laboratory assistance in the department.
- The laboratory facilities should improve.
- Computers are must for some departments.

iv) ARTS:

Bengali: Overall assessment of the departmental teachers is very good with a few exceptions as mentioned below:

- More classes should be taken.
- Syllabus remains incomplete.

English: Overall assessment of the departmental teachers is very good with a few. Exceptions are mentioned below:

- Need of more teaching staff.
- More classes should be taken by teachers.
- Syllabus remains incomplete.
- No regular class tests.

History: Overall assessment of the departmental teachers is very good with a few exceptions as mentioned below:

- Inadequate teaching staff.
- Syllabus remains incomplete.
- Irregular in taking classes.
- No regular class tests for Honours students.

Political Science: Overall assessment of the departmental teachers is very good with a few. Exceptions are mentioned below:

- Need of more teaching staff to complete the syllabus in time.
- Regular class tests must be introduced.

Philosophy: Overall assessment of the departmental teachers is very good with a few. Exceptions are mentioned below:

- Need of more teaching staff.
- Separate room for Honours class.
- Need of more board work.

Sanskrit: Overall assessment of the departmental teachers is very good with a few. Exceptions are mentioned below:

- Need of more teaching staff.
- More classes are necessary to complete the syllabus.
- Irregular in taking classes.
- No regular class tests.

b. FEEDBACK REGARDING INFRASTRUCTURAL FACILITIES WITH SPECIAL REFERENCE TO CLASSROOMS:

- Condition of the classrooms has improved.
- Number of classrooms has increased.

- *Separate classrooms needed for each Honours subject.*
- *All classes must have audio aids for better hearing for all students.*
- *Classrooms are not big enough to accommodate students of classes.*

c. FEEDBACK REGARDING LIBRARY:

- *Shortage of books of new syllabus.*
- *Shortage of reference books*
- *No internet facilities to upgrade knowledge.*
- *Hours for the library access for students should be extended.*
- *the behaviour of the library staff is shocking.*
- *Seminar libraries are of great help to the students.*
- *More books and journals are needed in the seminar libraries for the students to get easy access.*

d. FEEDBACK REGARDING DRINKING WATER FACILITIES:

- *Drinking water facilities have improved. However, the facility should be available in all floors of the college.*

e. FEEDBACK REGARDING TOILETS:

- *The conditions of gents and ladies staff and student toilets have improved.*
- *Enough water should be available in toilets.*
- *The toilets should be cleaned regularly.*

f. FEEDBACK REGARDING COMMON ROOMS:

- More games (indoor) should be available in the boys common room.
- The girls' common room is too small and dirty. No entertainment facilities are present and the seating arrangements are inadequate for such big college.

g. FEEDBACK REGARDING CANTEEN:

- Food quality and variety should improve.
- The canteen should be airy with enough light.
- More exhaust fans are needed.

h. FEEDBACK REGARDING CAMPUS:

- Need for playground.
- Cleanliness for college is must.
- Water accumulates in different areas near the classrooms and along the corridors after rain.
- More greenery is needed in the college.

i. FEEDBACK REGARDING MEDICAL UNIT/FIRST AID:

- First aid should be available in college hours.
- Regular health check-up will help financially weaker student.

j. FEEDBACK REGARDING ORGANISATION AND MANAGEMENT:

- Behaviour of some office staff should be congenial.
- The notices regarding office work should be given well in advance.
- Happy with the recent overall improvement of the college but still scope for more improvement.
- Impressed with the principals' behaviour and fatherly attitude. He is quite considerate and helps the students in time of their need.

24. UNIT

COST OF EDUCATION

Budget for the year 2005-2006.

SL. NO.	HEAD OF A/C	TOTAL EXPENSES
01.	Academic purposes	30,000
02.	Audit Fee	15,000
03.	Book Binding	20,000
04.	Building	4,00,000
05.	Centenary Hall	20,000
06.	College Central Computer and Xerox	1,50,000

	machine	
07.	College Examination	50,000
08.	Contingency	20,000
09.	C.U and Council Examination, Registration, Migration, PPS etc.	4,70,200
10.	Educational Excursion	32,000
11.	Electricity (general) except Centenary Hall	3,50,000
12.	Furniture and Fixtures	1,75,000
13.	Games and Sports (including related refreshments)	20,000
14.	Insurance	1,313
15.	Interest on O/D	40,000
16.	Laboratory apparatus/Equipments (including maintenance)	28,000
17.	Laboratory Chemicals/Solvent oils/Gas etc.	36,000
18.	Lab. Materials/glass goods/stationary/party expenses	36,000

19.	Laboratory specimen	18,000
20.	Labour charges	10,000
21.	Law suit and Lawyer's honorarium	5,000
22.	Library Books	25,000
23.	Management expenses	4,000
24.	Municipal Tax	4,000
25.	NAAC Expenses	2,50,000
26.	Office Expenses	35,000
27.	Plan expenditure other than building	25,000
28.	Postages (including revenue stamp other than salary purpose)	1,000
29.	Printing and Outside Xerox (general other than College exam)	50,000
30.	Refund	52,800
31.	Remuneration	3,00,400
32.	Sanitation	3,500
33.	Service charges paid to N.T.S	13,505
34.	Settlement of Outstanding claims	2,50,000

35.	Special term deposit (S.T.D)	0
36.	Students Health Home (S.H.H)	8,320
37.	Students' Union (S.A.F and S.U.F)	75,230
38.	Subscriptions/Donations etc.	2,500
39.	Subsidy	7,200
40.	Telephone/Internet Expenses	45,000
41.	Travelling Allowances (T.A)	25,000
42.	Various/Miscellaneous Expenses	22,750
	Projected Deficit as on 31.03.05	- 2,68,436
	Total	28,89,282.00

CALCULATED UNIT COST OF EDUCATION in 2005-2006 [Annual Budget of 2005-2006 (given as above) divided by the total number of students in the year 2005-2006 (whose total number is 2057)]:

Rs. 1404 with salary component.

Rs. 1258 without salary component.

Rs. 1137 without salary component and NAAC expenses.

25. COMPUTERIZATION OF ADMINISTRATION AND THE PROCESS OF ADMISSIONS AND EXAMINATION RESULTS,

ISSUE OF CERTIFICATES

The administrative work pertaining to the activities of Bursar has been computerized which has facilitated the issue of salary bills at regular intervals. The admission selection process is also wholly computerized as suggested by the visiting NAAC Peer Team.

26. INCREASE IN THE INFRASTRUCTURAL FACILITIES

As per Peer team suggestion, vertical expansion has been done with the addition of 3rd floor to the existing structure. The aging building has also been given a through makeover to withstand the expansion. The following improvement has been accomplished in the 2005-2006 Academic year.

- k. The outlay of funds for this transformation is 25 lakhs.
- l. Increase of 7,400 sq. m. of space is achieved which resulted in 7 new classrooms capable of accommodating 720 students.
- m. Each classroom is equipped with high and low benches, new blackboard and a audio system to facilitate teaching is also on the anvil.
- n. Painting of the college is finished giving it a spank new look.
- o. Two small gardens are being developed at the front and back of the college.

- p. Expansion of certain departments is in process like Physics, Chemistry, Botany, Zoology, Physiology, Mathematics, Economics and Commerce. Special care has been taken to ensure upgradation of laboratory and seminar library of these respective departments.
- q. Library roof renovation was done at the total cost of 1.25 lakhs to preserve rare books.
- r. Grills are installed in windows and balconies of the college to ensure safety of the students.
- s. A Maintenance Committee is setup to look after the overall infrastructural maintenance of the college.
- t. Future plans are afoot to increase the infrastructural capacity of the college. For this reason, 15 lakhs are applied from MP Lad funds to upgrade the Physics department. Building funds are also being applied from UGC to upgrade the Ladies Common Room, to renovate the roof of the Physiology department and to construct a Ladies Hostel.

27.

TECHNOLOGY UPGRADATION

Some technical upgradation is also done in keeping with the ever-changing scenario of technological evolution.

- e. The computer lab is now air-conditioned. 10 new desktop computers are bought for the IT course with advance configurations for 5 of the other existing ones. The College already possesses a LCD projector.
- f. Website upgradation is done regularly and broad-brand internet is available.
- g. Microphones for large classes are being installed to facilitate the interaction between the teachers and the students.
- h. The electrical system of the college is completely revamped to ensure efficiency and safety. The cost for total renovation of the load distribution system was 1 lakh.

28. COMPUTER AND INTERNET ACCESS AND TRAINING TO TEACHERS AND STUDENTS

Broadband Service is in the process of arrangement to facilitate internet access both for the students and faculty members. Computer access is available to the Students of computer science, Physics, Chemistry, Mathematics, Commerce, Economics and Botany as their subjects. The arrangement of computer in the other department is in the process.

29. FINANCIAL AID TO STUDENTS

- a. Regular travel concessions are awarded to each and every student of the college.

b. *Tatyana Sedina Saha Memorial Endowment scholarships* amounting to Rs. 5000 each year are awarded to the best Chemistry students of different years and the best student among other science subjects.

c. *Bandana Chatterjee Memorial Endowment Scholarship* amounting to Rs. 1000 per year is awarded to the best Physics Honours student based on Part II results.

d. The teachers of the college financially helped a needy medical student named by Shantanu Mukherjee of National Medical College, Kolkata to buy books and instruments for his study.

30. ACTIVITIES AND SUPPORT FROM THE ALUMNI ASSOCIATION

Regular records are maintained by the *Alumni Association*. The Association is also planning to form a reunion in the near future.

31. ACTIVITIES AND SUPPORT FROM THE PARENT-TEACHER ASSOCIATION

The college is yet to officially form a Parent-Teacher association but every department organizes parent-teacher meetings regularly to discuss the performance of the students and also to exchange ideas regarding the college and students. Constructive criticism is given the utmost priority in these meetings which later help the students to enhance their performance level.

32. HEALTH SERVICES

The Medical Unit under the aegis of the convener, Dr. Bitan Bindu Bandyopadhyay has made great progress in monitoring the health of the students, teachers and non-teaching staff. Most of the students have been issued health cards. Members of the Alumni Association and one of the donor members of the Governing Body are experienced physicians and they have also volunteered to provide free medical check-up once in a month.

33. PERFORMANCE IN SPORTS ACTIVITIES

- a. Regular inter-class sports competition are held every year to encourage budding sports talent among the students. Last year it was held from 01.09.05 to 09.09.05.
- b. The college is crowned *Calcutta University Kho-kho champion* in the year 2005-2006.
- c. *Sri Gaurav Goswami* of Department of English secured second position in Male 67-72 kgs category at Open National Taekwondo Championship 2006 held from 27th to 29th October 2006.

34. INCENTIVE TO OUTSTANDING SPORTSPERSONS

Outstanding but needy sportspersons are encouraged individually with voluntary monetary help by teachers. Special leaves are granted to enable them to participate in different competitions

35. STUDENT ACHIEVEMENTS AND AWARDS

- a. *Jhuma Dutta* and *Sandip Das* got First prize in Inter-College Quiz competition held at Hooghly Women's College, West Bengal on 19th Sept, 2006.
- b. *Subhajit Chatterjee* got First prize in Inter-College Solo Dance Competition held at Hooghly Women's College, West Bengal on 19th September 2006.
- c. *Rudrani Chandra* got First prize in all categories of Inter-College Singing (Rabindrasangeet, Nazrulgeeti and Adhunik) Competition held at Hooghly Women's College, West Bengal on 19th September 2006.

36. ACTIVITIES OF THE GUIDANCE AND COUNSELLING UNIT

- a. There is an immediate plan to create a special guidance and counselling unit in order to lend a helping hand to the students so that they can cope better with the demands and pressures of increasingly competitive surroundings.

b. A special counselling interactive session with the students have already been organised by Amrita Roy, a student of University of Ontario, Canada on 28.08.06 with "Public Health and Human Rights" as the focus area.

c. However individual teachers have already distinguished themselves in this respect outside the confines of the college like

i) Dr. Kuntal Mukhopadhyay teaches Sociology at Family Counselling Training Programme organised by Bidhan Nagar Family Welfare Organisation, Kolkata

ii) Dr. Bulbul Thakur is associated with the "Louis Braille Memorial School for the Sightless", Uttarpara as a guest faculty member to teach Physiology to the visually handicapped trainees of Physiotherapy Training Course sponsored by the Government of West Bengal for the rehabilitation of the visually handicapped people of the society.

iii) Dr. Apurba Kumar Dey is given the unique opportunity to direct a play enacted by the sex workers at Kalighat on behalf of the Daywalka Foundation (TDF) which is an NGO that combat all forms of violence against women and children, focusing on modern day slavery and human trafficking.

37. PLACEMENT SERVICES PROVIDED TO STUDENTS

At present there is no organised placement cell in the college but the teachers individually advise the students with respect to various career options.

38. DEVELOPMENT PROGRAMMES FOR NON-TEACHING STAFF

- a. *Sri Rupak Kar* underwent extensive training in a foreign language (Chinese). He also participated in various photographic workshops and exhibitions.
- b. *Sri Pritwish Bhattacharyya* actively organizes drama festival in the vicinity of the college.
- c. Non-teaching staff has been allotted a separate *Recreation Room* with provision for indoor games.

39. HEALTHY PRACTICES OF THE INSTITUTION

- a. The admission process of the college is based strictly on merit and norms laid down by Calcutta University and monitored by the Governing body.
- b. Internal assessment of the teachers is also done based on inputs provided by the students.
- c. Academic audit is done meticulously every year.
- d. Financial audit is done every year to ensure transparency in administrative matters.

40. LINKAGES DEVELOPED WITH NATIONAL/INTERNATIONAL, ACADEMIC/RESEARCH BODIES

a. A project entitled "A Study on the Variability of Total Electron Content near the Crest of the Equatorial Anomaly in the Indian zone" has been sanctioned by the **INDIAN SPACE RESEARCH ORGANISATION (ISRO)**, Department of Space, Government of India, under **RESPOND Program** for financial assistance. Total approved grant for the Project is Rs.6.96 lakhs for three years. Principal Investigator of the said Project is Dr. Shyamal Kumar Chakraborty, Department of Physics. The implementation date for the Project is 12th January, 2006. One Junior Research Fellow named Rajkumar Hajra, M.Sc. in Physics, has been recruited under this project.

The Project is mainly based on variability study of Ionospheric Total Electron Content (TEC) which is one of the important parameters for the Space Weather problem. TEC has been measured by Faraday rotation technique using trans-ionospheric signal (136.11 MHz) from the geostationary satellite ETS II. The data were recorded at the Ionospheric Field Station, Haringhata (22.48° N, 88.5° E, dip: 32° N) of the University of Calcutta. Field station, being situated virtually below the northern crest of the Equatorial anomaly, presents an excellent platform for studying Equatorial Phenomena. A long term (1979-90) TEC data base along with solar flux (810.7), electrojet/ magnetic and

wind data will be utilized for the present analysis. Unique feature of the data base is that it includes both the increasing phase (1986-90) as well as decreasing phase (1979-85) of solar activity. Extensive study will be made to find out dependence of TEC, both qualitatively and quantitatively, on various geophysical parameters. The study will be useful in predicting the ionospheric group delay of trans-ionospheric signal as used in GPS and other systems.

b. The Department of English came up with the *international edition* of their journal "Perspectives" with contributions from esteemed experts from *international universities*. Several national scholars of international repute also contributed to the journal making it a truly collector's issue.

c. Several teachers are *members of esteemed national and international academic and cultural bodies*. A detailed report is given below:

DEPARTMENT	NAME	NATIONAL/INTERNATIONAL BODIES
English	Dr. Debashis Chattopadhyay	Shakespeare Society of Eastern India
Bengali	Dr. Hrishita Gupta Bakshi	Member, Ganatantrik Lekhak Shilpi Sanghatan

Political Science	Dr. Kuntal Mukhopadhyay	Member of Central Committee, Ganatantrik Lekhak Shilpi Sanghatan
History	Dr. Gautam Neogi	Member, Under Graduate Council, Calcutta University (1995-99); Elected member of the Senate, Calcutta University since 1999 till date; Member, Board of Studies (UG) for History (2003 till date)
Physics	Dr. Shyamal Chakraborty	Indian Physical Society
	Dr. Santanu Dasgupta	Indian Statistical Institute
Chemistry	Dr. Nasima Banu Khan	Indian Chemical Society; Indian Science Congress
	Dr. Raghupati Mukhopadhyay	Indian Chemical Society (Life Member); Institution of Chemists, India (Life Member and

		Associate Editor of their journal);
	Dr. Arnab Dey	Institution of Chemists, India (Life fellow)
Mathematics	Smt. Tanushree Chowdhury	Calcutta Mathematical Society, India
	Dr. Parthasankar Ray	Zoological Society of India
	Dr. Tarit Kumar Bandyopadhyay	Zoological Society of India; Bangiya Bigyan Parishad, India; Bangiya Sahitya Parishad, India; Ganatantrik Lekhak Shilpi Sangha, India;
Zoology	Dr. Maitri Bose (Biswas)	Zoological Society of India; Zoological Association of Burdwan, India;
	Sri Subhankar Kumar Sarkar	Zoological Society of India; Association of Indian

		Entomologists at North America (AIEMA) (Online member)
Physiology	Dr. Bulbul Thakur	Physiological Society of India (Life Member); Alliance for the Prudent Use of Antibiotics (Life Member); Pachim Banga Vigyan Mancha (Life Member);
	Dr Anindita Mondal (Majee)	Physiological Society of India; Indian Science Congress
	Dr. Amal Chandra Mondal	Society for Neuroscience (SFN), Washington, USA
Commerce	Dr. Srutinath Praharaj	Elected member of Senate, Calcutta University from 1995 till date; Vice President, WBCUTA; Member of Central Committee, Ganatantrik Lekhak Shilpi Sanghatan; Convenor, Commerce

		Alumni Association Calcutta University;
	Dr. Sudhin Bera	C.U Commerce Alumni Association
	Sri Partha Sarathi Chattopadhyay	C.U Commerce Alumni Association; Life Member, Indian Economic Association; Indian Statistical Institute
	Sri Anupam Mitra	Member, ICWAI; Member, C.U Commerce Alumni Association;

PART C

PLANS FOR THE FUTURE

There are immediate plans for qualitative enhancement of the college's potential in three directions.

I. BUILDING EXPANSION

a. There is a definite plan for building expansion with specific impetus on building a girls' hostel for which finances are sought from UGC.

b. Also on the anvil is the Upgradation of the Physics laboratory for which 15 lakhs from the MP Lad has been applied.

II. MUSIC AND PERFORMING ARTS CELL

The college is in the process of seeking permission to set up a music and performing arts cell as per NAAC Peer Team recommendation. The cell is in process of negotiating with Rabindra Bharati University so that it can start certificate courses. Presently, the cell will begin its journey by participating in the weeklong cultural programme to commemorate the Sesquicentennial celebration of Calcutta University in the 2nd half of January, 2007.

III. NGO

The college teachers who voluntarily help the needy students are in the process of setting up an NGO so that the entire hinterland is benefited from social activities especially with respect to the spread of adult education.

