

THE ANNUAL QUALITY ASSURANCE REPORT (AQAR)
OF THE
INTERNAL QUALITY ASSURANCE CELL OF
RAJA PEARY MOHAN COLLEGE
2010-2011

NAME OF THE INSTITUTION:

RAJA PEARY MOHAN COLLEGE, UTTARPARA.

1, Acharya Dhruva Pal Road,

P.O: Uttarpara, Dist: Hooghly,

West Bengal, Pin: 712 258

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YEAR OF REPORT: 2010-2011

PART A

Planned to achieve at the beginning of 2010-2011

- **Submit the building Plan for release of the allocated fund by UGC for building expansion for New room construction on the second floor of the western side of the old building with specific impetus on renovating the old building of the college.**
- **Toilets for lady students and staff**
- **Renovation of all bathrooms of the college**
- **Up gradation of Laboratories**
- **Building a multi-media enabled Central Computer Laboratory**

- **Books and Journal Subscription for the Library**
- **Organize National and State Level Seminar.**
- **Construction of a New Central Computing Laboratory with multi-media facilities.**
- **Construction of a New Conference Room.**

Achievements at the end of the year 2010-2011:

- **BUILDING EXPANSION:**
 - ❖ **Rejuvenation and renovation of the of building is in the process work started with fund released by UGC in 2011**
 - ❖ **New room construction on the second floor of the western side of the old building started with fund released by UGC in 2011**
 - ❖ **New Department for History Political Science, Philosophy and Economics is in the Process.**
 - ❖ **Renovations of all students toilets of the college is underway**
 - ❖ **Renovation and building of New toilets for lady staff and students in each floor of the institution is on.**
 - ❖ **Installation of a elevator is in the process.**
 - ❖ **Expansion and renovation of the Library in the process**
 - ❖ **A New Central Computing Laboratory with multi-media facilities is built and will be operational shortly.**
 - ❖ **Construction of a New Conference Room is in the process**

TECHNICAL UPGRADATION AND OTHER DEVELOPMENTS

- **Full LAN implementation Connecting all Departments, office and Library with Internet connection is complete.**
- **Library Automation and cataloguing process is complete. Computers for students for browsing and access to the stock of books in the Main Library through LAN with Customized software are completed with installation of OPAC. Internet facilities is available.**
- **E-Journal Subscription— Process for subscription is on going**
- **Audio-Visual Mode of Teaching for all Departments**

- **Installation of a 30 k v Generator for Continuous and uninterrupted power supply**
- **Admission Through website apart from the existing old system & publication of results through website is an added improvement in this process**
- **Full computerization of student's records (Admission, Results, Attendance etc.)**
- **Full Computerization of all financial records of the College is on.**
- **More Computer access is available to the Students of computer science, Physics, Mathematics, & Commerce. All Departments have a separate computer laboratory**
- **Construction of a New Central Computing Laboratory with multi-media facilities.**
- **Construction of a New Conference Room is in the process**
- **The Social Science Departments have organised a successful National Level Seminar on "India: The Country & The State in Historical Perspective" Sponsored by UGC on 5th and 6th February 2010**
- **More books on the current syllabus and reference books on all subjects are purchased for the central library with XI Plan UGC Grant.**
- **Modern Equipments for five laboratory-based subjects and computers for computer-based subjects are purchased with Additional assistance grant received from UGC.**
- **The Remedial Coaching and Coaching into entry service cell for socially and financially backward students Funded by UGC is fully functioning from the session 2010-2011.**
- **Career Counseling Cell of the college is now approved and funded by UGC has organized several counseling and placement campus interviews.**
- **There are two ongoing Major Research Projects funded by DST and ISRO & another recently approved by DST**
- **Two more Minor Research Projects Funded by UGC approved with eight others which are presently carried out by different faculty members.**
- **Powerful generator is installed for Continuous and uninterrupted power supply.**

PART B**1. ACTIVITIES REFLECTING THE GOALS AND OBJECTIVES OF THE INSTITUTION**

The goal of the institution is

- ❖ **Emerge as one of the finest academic institutions for Teaching and Research.**
- ❖ **To excel as a higher education center for Humanities, Commerce and Science streams.**
- ❖ **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.**
- ❖ **To spread female education, especially to a socio-economically backward population.**
- ❖ **To provide opportunity of higher education to adult earning students.**
- ❖ **To excel as one of the most reputed centre for social and cultural activity.**

Keeping these objectives in mind, the various activities during the period July 2010 – June 2011 to assure quality improvement of the college are enumerated as below:

[I] TOTAL NUMBER OF WORKING DAYS IN THE ACADEMIC YEAR, JULY '10– JUNE '11

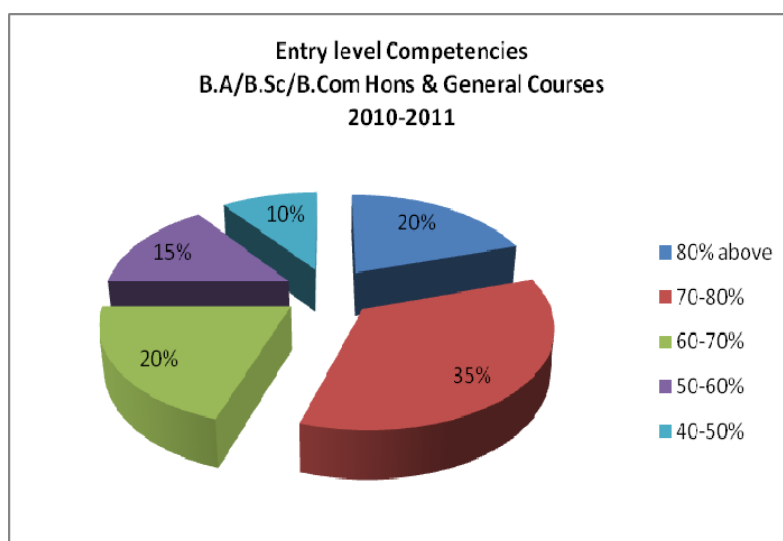
MONTH & YEAR	NO. OF DAYS	SUNDAYS	HOLIDAYS	WORKING DAYS
July '10	31	4	1	26
Aug '10	31	5	0	26
Sep '10	30	4	3	23
Oct '10	31	5	17*	09
Nov '10	30	4	8	18
Dec '10	31	4	9**	18

Jan '11	31	5	4	22
Feb '11	28	4	2	22
Mar '11	31	4	3	24
April '11	30	4	9	17
May '11	31	5	21***	04
June '11	30	4	7	19****

* Puja Holidays; ** Winter Recess; *** General Election for State Assembly & Summer Recess; **** Admission Process

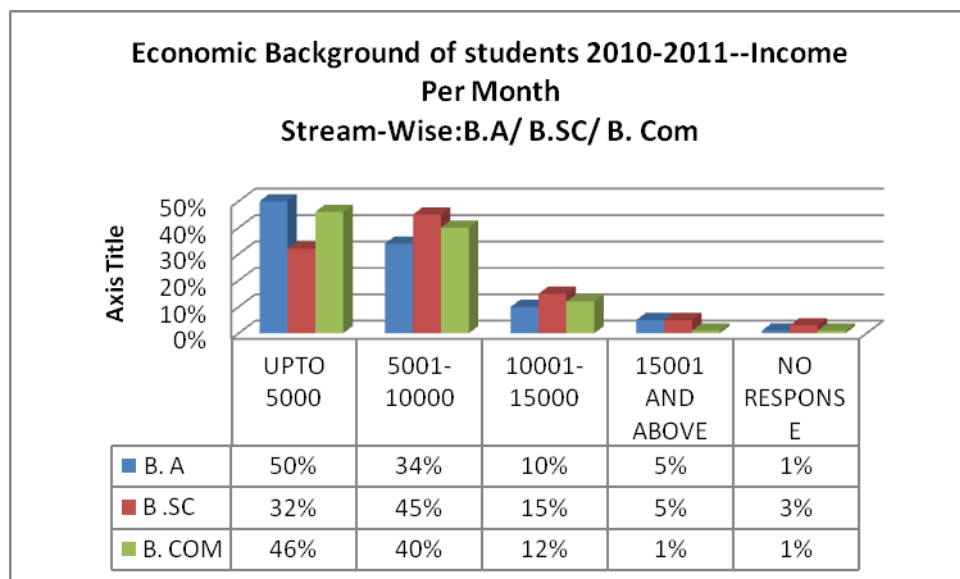
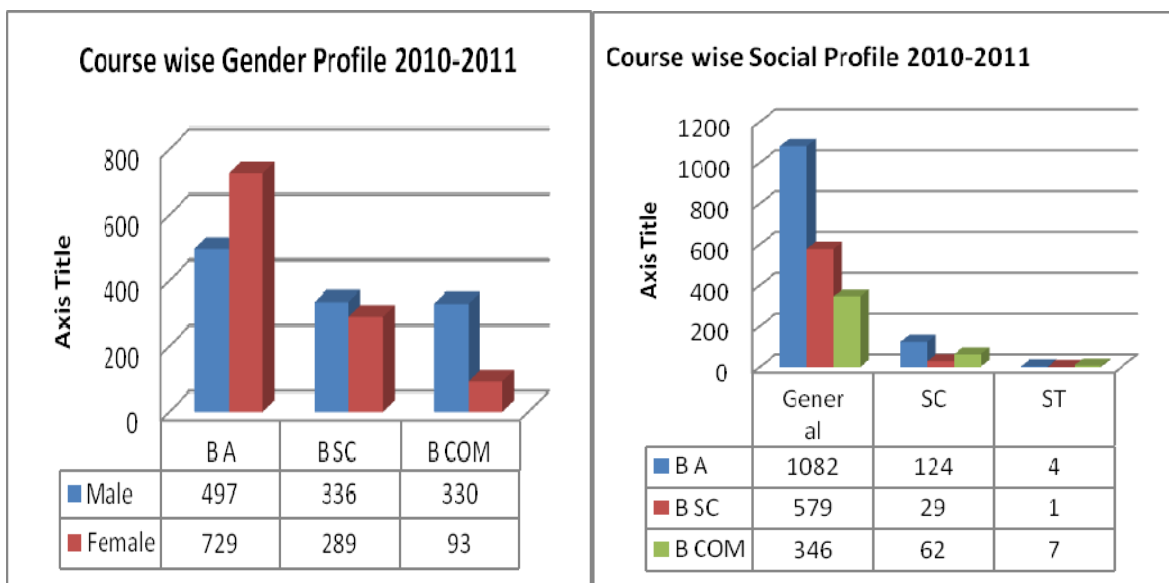
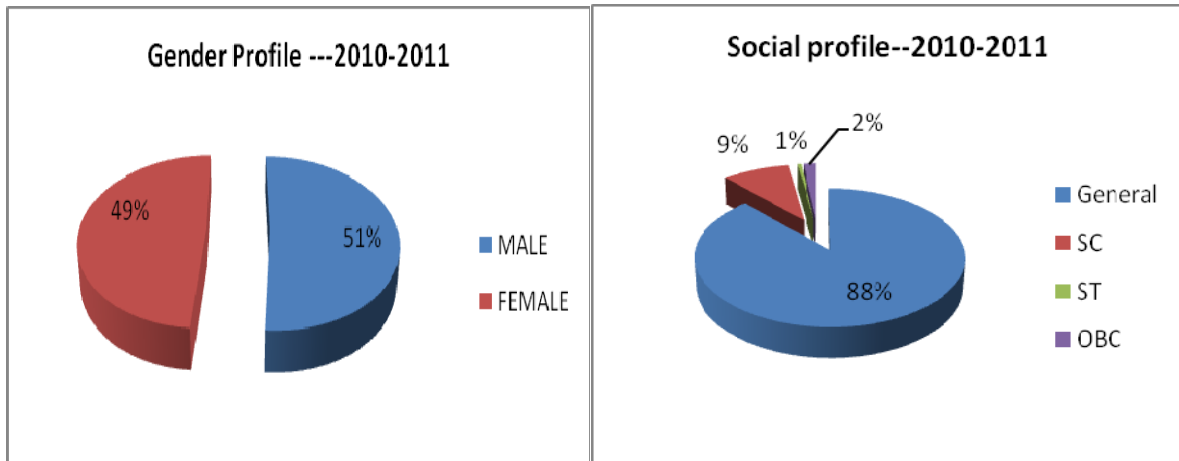
**Detailed list of Holidays/class suspended are given in the Academic Calendar.
Total No. of working days in Academic Year, July 2010 - June 2011 = 209 days**

[II] ADMISSION OF 2010-2011 ---ENTRY LEVEL COMPETENCIES:



Student Profile:

Gender Profile--2010-2011			Social profile--2010-2011				
MALE	FEMALE	Total	General	SC	ST	OBC	Total
1163	1111	2274	2007	215	12	40	2274



[III] UNIT COST OF EDUCATION: 2010-2011**ANNUAL EXPENDITURE OF THE COLLEGE FOR THE YEAR 2010-2011.**

Expenditure		
Sl	Items	Amount (Rs.)
1	Advertisement	Rs. 26,752.00
2	Audit Fees	Rs. 3,500.00
3	Bank Charges	Rs. 17,148.00
4	Bank Interest	Rs. 2,33,192.47
5	Bonus	Rs. 25,000.00
6	Canteen Expenses	Rs. 4,000.00
7	Caretaker Allowances	Rs. 4,500.00
8	Casual Remuneration	Rs. 1,14,150.00
9	Chemical for Lab	Rs. 70,747.00
10	Cleaning	Rs. 40,600.00
11	College Exam Expenses	Rs. 42,808.00
12	Computer Maintenance	Rs. 46,407.00
13	Contingency Expenses	Rs. 35,070.56
14	CU Exam Expenses	Rs. 21,265.00
15	CU Exam Fees Paid	Rs. 4,74,820.00
16	CU Migration Expenses	Rs. 240.00
17	Donation Paid	Rs. 7,700.00
18	Electrical Works	Rs. 50.00
19	Electricity Charges	Rs. 2,01,890.00
20	Examination Expenses	Rs. 9,89,298.00
21	Excursion Expenses	Rs. 28,290.00
22	Exgratia	Rs. 20,500.00
23	Expenses for DST Project	Rs. 29,30,960.00
24	Generator Maintenance	Rs. 2,830.00
25	ISRO Expenses	Rs. 3,37,303.00
26	Lab Materials	Rs. 1,15,975.80
27	Labour Charges	Rs. 32,129.00
28	Leave Encashment	Rs. 9,76,862.00
29	Magazine	9,800.00
30	Miscellaneous Expenses	Rs. 1,11,431.00
31	MRP Paid	Rs. 1,30,341.00
32	Municipal Tax	Rs. 3,228.80
33	News Paper	Rs. 5,134.00
34	NSOU Expenses	Rs. 65,000.00
35	NSS Expenses	Rs. 93,500.00
36	Pest Control	Rs. 2,000.00
37	Postage Expenses	Rs. 1,839.00
38	Printing	Rs. 66,604.50

39	Professional Fees	Rs. 8,147.00
40	Refreshment	Rs. 27,440.00
41	Refund of Fees	Rs. 12,825.00
42	Remuneration	Rs. 1,50,600.00
43	Repairing	Rs. 1,62,895.00
44	Round Off	Rs. 1.20
45	SAF Expenses	Rs. 20,555.00
46	Salary-Arrear & Adjustments	Rs. 54,956.00
47	Salary-Library and GLI Staff	Rs. 24,46,188.00
48	Salary-Non Teaching Staff	Rs. 63,59,238.00
49	Salary-Part Time Teaching Staff	Rs. 6,31,000.00
50	Salary-Teaching Staff	Rs. 3,82,62,604.00
51	Scholarship Paid	Rs. 25,200.00
52	Seminar Expenses	Rs. 33,419.00
53	Specimen for Lab	Rs. 14,124.00
54	Staff Canteen Subsidy	Rs. 18,000.00
55	Stationary	Rs. 1,05,148.00
56	Student Health Home Expenses	Rs. 19,736.00
57	Student Union Canteen Subsidy	Rs. 13,500.00
58	Student Union	Rs. 2,26,585.00
59	Subsidy to Cycles Stand	Rs. 10,000.00
60	Telephone Expenses	Rs. 42,841.00
61	Travelling Expenses	Rs. 54,769.00
62	UGC Expenses	Rs. 22,11,730.00
63	Depreciation	Rs. 11,16,570.00
	Total	Rs. 5,93,20,937.33

CALCULATED UNIT COST OF EDUCATION in 2010-2011 [Annual Expenditure of **2010-2011** (given as above) divided by the total number of students in the year **2010-2011** (whose total number is 2219)]:

UNIT COST OF EDUCATION in 2010-2011 Rs. 26733/- (With Salary)

UNIT COST OF EDUCATION in 2010-2011 Rs. 5212/- (Without Salary)

[IV] BUILDING EXPANSION:

RECENT INFRASTRUCTURAL DEVELOPMENTS

- ❖ **Rejuvenation and renovation of the of building is in the process work started with fund released by UGC in 2011**
- ❖ **New room construction on the second floor of the western side of the old building started with fund released by UGC in 2011**

- ❖ **New Department for History Political Science, Philosophy and Economics is in the Process.**
- ❖ **Renovations of all students toilets of the college is underway**
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- ❖ **Installation of a elevator is in the process.**
- ❖ **Expansion and renovation of the Library is in the process**
- ❖ **Construction of a New Central Computing Laboratory with multi-media facilities.**
- ❖ **Construction of a New Conference Room is in the process**

[V] TECHNICAL UPGRADATION:

Some technical up gradation was also undertaken to keep up with the ever-changing scenario of technological evolution.

- **Full LAN implementation Connecting all Departments, office and Library with Internet connection is complete.**
- **Library Automation and cataloguing process is complete. Computers for students for browsing and access to the stock of books in the Main Library through LAN with Customized software are completed with installation of OPAC. Internet facilities will also be made available soon.**
- **E-Journal Subscription— Process for subscription is on going**
- **Audio-Visual Mode of Teaching for all Departments**
- **Installation of a 30 k v Generator for Continuous and uninterrupted power supply**
- **Admission Through website apart from the existing old system & publication of results through website is an added improvement in this process**
- **Full computerization of student's records (Admission, Results, Attendance etc.)**
- **Full Computerization of all financial records of the College is on.**
- **More Computer access is available to the Students of computer science, Physics, Mathematics, & Commerce. All Departments have a separate computer laboratory**
- **Computer and Internet for all department is in the process through LAN.**
- **Construction of a New Central Computing Laboratory with multi-media facilities.**

➤ **Construction of a New Conference Room is in the process**

[VI] JOB COURSE:

JOB COURSE:

Six career-oriented courses have been introduced as suggested by the NAAC Peer Team. The Medical Laboratory Technology course is running with a very good response from the students. But there are not many responses for the other 5 courses and therefore cannot be run.

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

SYLLABUS: Prepared by College Faculty & Coordinators.

ADMISSION: From July every year

NATURE OF COURSE: 1 year Certificate Course / 6 disciplines

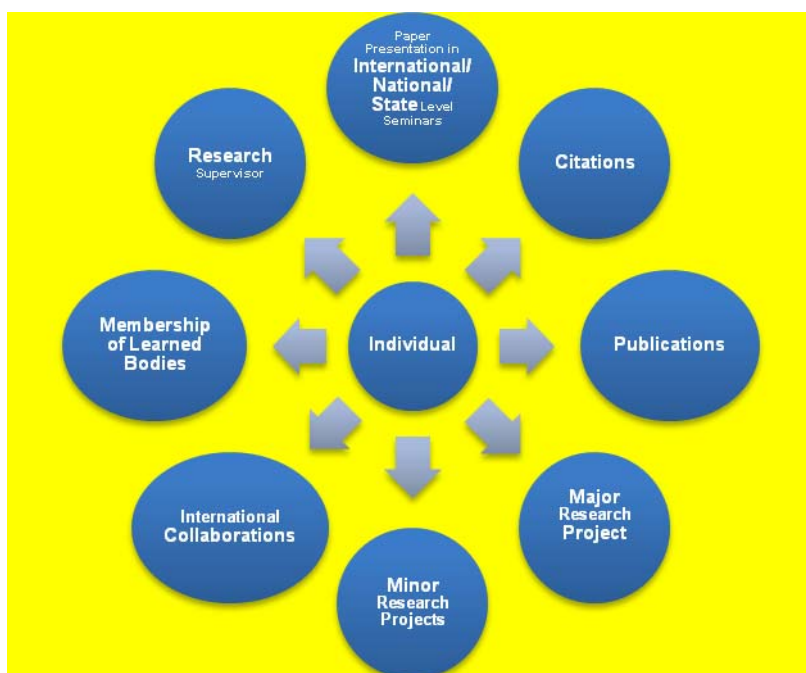
SYLLABUS: Prepared by College Faculty & Coordinators.

ADMISSION: From July every year

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

STUDENTS IN THE SESSION 2010-11

MEDICAL LABORATORY TECHNOLOGY: 30

[VII] RESEARCH ACITIVITIES:**MAJOR RESEARCH PROJECTS****ONGOING MAJOR RESEARCH PROJECT:**

Sl	Name of the Faculty	Title of the Ongoing Projects	Funding Agency	Amount Sanctioned	Duration
1	Dr. Shyamal Kumar Chakraborty, Department of Physics.	A study on variability of post-sunset total electron content and scintillation near the crest of the equatorial anomaly in the Indian zone	ISRO <u>RESPOND</u> program	Rs 9.98 lakhs	3 Years (2009-12)
2	Dr. Shyamal Kumar Chakraborty, Department of Physics.	Electrodynamical control over the ionization processes near the crest of the equatorial ionization anomaly and beyond	(DST), Govt. of India.	Rs 54,00,000/-	3 Years (2010-13)
3	Dr. Amal Chandra Mondal, Department of Physiology.	Role of Neurotrophins in Stress and Depression	(DST), Govt. of India.	Rs 26,50,000/-	3 Years (2010-13)

MINOR RESEARCH PROJECTS**Minor Research Projects granted by UGC:**

- NEW**

Sl	Name of the Faculty	Title of the Ongoing Projects	Funding Agency	Amount Sanctioned	Duration
1	Nilu Halder Department of Botany.	Collection, Characterization and Identification of Some Aquatical Flora of Ponds, Shallow Water bodies, Swampy Lands of Hooghly District, West Bengal.	UGC	Rs. 1, 27,500/-	18 Months (2010-12)

- OLD/ ON GOING**

Sl	Name of the Faculty	Title of the Ongoing Projects	Funding Agency	Amount Sanctioned	Duration
1	Dr. Tarit Kumar Bandyopadhyay Department of Zoology.	Studies in the Incidents and Morphometry of Hilsa Fish (Tinulosa hilsa) in the selected portion of the upper stretch Hooghly estuary	UGC	Rs. 98,000/-	18 Months (2009-11)
2	Niladri Bhattacharya, Department of Political Science	Potentiality of Eco-Tourism in Saranda Hills : Challenges and Prospects	UGC	Rs.84,000/-	18 Months (2009-11)
3	Dr Maitri Basu Biswas Department of Zoology.	Insect Faunal Diversity OF Pond banks of a village Paschimpara under GoghatII Panchayet Samiti Hooghly District, West Bengal	UGC	Rs.1,22,000/-	18 Months (2009-11)
4	Dr. Hrishita Gupta Bakshi Department of Bengali.	Goto eksho bochore bangle katha sahitya bidhoba meyera—eka meyera	UGC	Rs. 1, 32,000/-	18 Months (2009-11)

5	Dr. Sudhin Kumar Bera, Department of Commerce.	An Economic Evaluation of Self-Help Groups in the District of Midnapore (East). West Bengal	UGC	Rs. 1, 10,000/-	18 Months (2009-11)
6	Dr. Sanjukta Bhattacharyya Department of Philosophy.	Paradigms of D. D. Kosambi and Mircea Eliade—An exposition on Religion and Myths	UGC	Rs. 1,50,000/-	18 Months (2009-11)
7	Dr. Sarmistha Nath Department of History.	Discourse on the Formation of a Righteous Government: The Idea of Alternative Governance in Bengali Mind(1858-1950)	UGC	Rs. 92,000/-	18 Months (2009-11)

Faculty recognized as research guides:

S	Name of the Faculty	Supervisor for M. Phil/ Ph. D under the University	No of Students Guided/Guiding as Supervisor
1	Dr Srutinath Praharaj, Department of Commerce	Ph. D Guide Under University of Calcutta	02
2	Dr Debashis Chattopadhyay Department of English	M Phil and Ph. D Guide Under Rabindrabharati University & Netaji Subhas Open University	01
3	Dr Bulbul Thakur, Department of Physiology	Ph. D Guide Under University of Calcutta	02
4	Dr Shyamal Kumar Chakraborty, Department of Physics	Ph. D Guide Under University of Calcutta	02
5	Dr Anindita Mondal Majhi Department of Physiology	Ph. D Guide Under University of Calcutta	02
6	Dr Amal Chandra Mondal, Department of Physiology	Ph. D Guide Under University of Calcutta	02
7	Dr Samir Roy Department of Mathematics	M Phil Guide Under Netaji Subhas Open University	01

Students Research Scholars work in the institution under different faculty members as a part of the major research carried out/ ongoing in the institution.

S	Students Research Scholars working in the institution as a part of the ongoing major research in the institution	Title of the Project	Duration	Funding agency	Total funding received for the project
1	Rajkumar Hajra Date of Registration for Ph.D : April 16,2008 Name of the University: Calcutta University	A Study on the Variability of Total Electron Content near the Crest of the Equatorial Anomaly in the Indian Zone	3 Years	ISRO <u>RESPOND</u> program, Govt. of India. Supervisor: Dr Shyamal Kumar Chakraborty	Rs 9.98 lakhs
2	Ritabrata Banerjee, M. Sc Alumnus of Raja Peary Mohan College Uttarpara, Department of Zoology	Role of Neurotrophins in Stress and Depression	3 Years	(DST) Govt. of India Supervisor: Dr Amal Kumar Mondal	Rs 26,50,000/-

Priority areas for research

- **Priority areas of Research among the Arts Faculties** are Women studies, Philosophy, Ethics and Religious Studies, Ancient & Cultural History, Eco-Tourism, Post-colonial English literature, Drama of English literature, Bengali Literature & theatre, & Visual anthropology.
- **Priority areas of Research among the Science Faculties** are Space science, Nuclear Physics, Applied Mathematics, Neuroscience, Water treatment, Taxonomy of animals, Taxonomy of plants, Entomology, Cell and molecular biology.
- **Priority areas of Research among the Social Science & Commerce Faculties** are Intellectual Property Rights, Development and commerce, Banking and Finance, & Environmental Economics

[VIII] PUBLICATIONS:**a) COLLEGE PUBLICATIONS:**

- i) **Academic calendar** for the year 2010-2011 specifying the distribution of syllabus and number of classes allotted for the completion of the same.
- ii) **Staff and Student diaries** for the year 2010-2011 are distributed.
- iii) **“Charcha”** by the TEACHER’S COUNCIL

b) INDIVIDUAL PUBLICATIONS:

RESEARCH PUBLICATIONS

RESEARCH PAPER PUBLISHED BY TEACHERS IN REFEREED JOURNALS

Research papers published in refereed journals by the faculty for the last five years including citation index and impact factor.

Sl	Name of the Faculty	Title of the paper published	Name of the Journal with ISSN No. , Vol No, &Pg No.	citation index and impact factor if any	Year of publication
1	Dr Dibyendu Talukdar Assistant Professor in Botany	Reciprocal translocations in grass pea (<i>Lathyrus sativus</i> L.). Pattern of transmission, detection of multiple interchanges and their independence.	Journal of Heredity; Vol: 101, Pg:169-176, ISSN No	Citation Index, Current Contents: Life Sciences, Reference Update, Medline (Index Medicus), Embase, BIOSIS, Chemical Abstracts Impact Factor: 1.778	2010
2	Dr Dibyendu Talukdar Assistant Professor in Botany	Cytogenetic characterization of induced autotetraploids in grass pea (<i>Lathyrus sativus</i> L.).	Caryologia; Vol: 63 (1); Pg::62-72; Published by University of Florence, Italy	Impact Factor 0.450	2010
3	Dr Sanjukta Bhattacharyya Assistant Professor in Philosophy	Tagore’s Idea of Self—Finite and the Infinite	<i>International Journal on Humanistic Ideology</i> , Vol.3, No 2, Page No. 132-162 ,	Impact No. Not Applicable ISSN No cited in all types of Tagore	Autumn – Winter 2010

			published by the Cluj University Press, Cluj-Napoca, Romania.;	works	
			ISSN No.:1844-458X		
4	Subhankar Kumar Sarkar Co-author: S Saha & D Raychaudhuri	Further additions to the Scrab beelles of Buxa Tiger Reserve, Jalpaiguri. West Bengal	<i>BIONOTES</i> Vol No. 12 (4), ISSN No.:0972-1800	Reviewed /Abstracted/Indexd in Zoologica l Records (UK); CAB Abstract (U. K);Cambridge Scientific Abstracts (U.S.A); Aquatic Sciences and Fisheries Abstracts (U.S.A. Available at: www.bionotes.org.in	December 2010
5	Mousumi Saha Assistant Professor in Chemistry	Physicochemical characterestics of Styrene-Butadiene Latex-modified Mortar Composite Vis-avis preferential interactions	Journal of Macromolecular Science Part A – Pure and Applied Chemistry, Vol 48 Pg No. 757-765. ISSN No. 1060-1325 Print/ 1520-5738: online		December 2010
6	Debobrata Mandal. Assistant Professor in Mathematics Co-Author:S. K. Sardar	On Fuzzy h-ideals in h-regular Γ -hemiring and h-duo Γ -hemiring	General Mathematical Notes ISSN		2010 Accepted for Publications

			No.:22197184		
7	Dr. Anindita Mondal (Majee) Associate Professor in Physiology Co-author: R Majumder	PEFR and some selected cardiovascular parameters of blood transfused thalassemic major patients in West Bengal, India .	World Heart Journal ISSN No :1556-4002		2010 (accepted for publication)
8	R. Hajra, S. K. Chakraborty, and A. DasGupta	Ionospheric effects near the magnetic equator and the anomaly crest of the Indian longitude zone during a large number of intense geomagnetic storms,	Journal of Atmospheric and Solar-Terrestrial Physics (UK), 72, 1299-1308,	doi:10.1016/j.jastp.2010.09.015,	2010.
9	S. K. Chakraborty and R. Hajra,	Variability of Total Electron Content near the crest of the equatorial anomaly during moderate geomagnetic storms,	Journal of Atmospheric and Solar-Terrestrial Physics (UK), 72, 900-911,	doi:10.1016/j.jastp.2010.05.006,	2010.
10	R. Hajra and S. K. Chakraborty,	Equatorial ionospheric responses in relation to the occurrence of main phase of intense geomagnetic storms in the local dusk sector,	Journal of Atmospheric and Solar-Terrestrial Physics (UK), 73, 760-770,	doi:10.1016/j.jastp.2011.02.014,	2011.
11	Dr Sanjukta Bhattacharyya Assistant Professor in Philosophy	Mircea Eliade on Myth and its Significance in Socio-Religious Culture from an 'Antireductionist Orientation'	International Journal on Humanistic Ideology, Vol.IV, No 2, Page No. 778-88, published by the Cluj University Press, Cluj-Napoca, Romania.;	Impact No. Not Applicable ISSN No cited in all types of Mircea Eliade works	2011
12	Debobrata Mandal. Assistant Professor in Mathematics Co-Author:S. K. Sardar	Prime (semiprime) Fuzzy h-ideal in Γ -hemiring	International Journal of Computational Mathematical Science Vol:5, No. 3,	Total Citations to this journal in the MR Citation	2011

			Pg. 160-164 ISSN No:20703910	Database in 2009 is	
13	Debobrata Mandal. Assistant Professor in Mathematics Co-Author:S. K. Sardar	Fuzzy <i>h</i> - ideals in Γ - hemirings with t-norms Accepted for Publications	International Journal of Computational Cognition ISSN No:15425908 (online) ISSN No: 1542- 8060 (print) Vol: No. Pg.	Impact Factor: 0.2334	2011
14	D Talukdar	Allozyme variations in leaf esterase and root peroxidase isozymes and linkage with dwarfing genes in induced dwarf mutants of grass pea (<i>Lathyrus sativus</i> L.).	Int. J. Genet. Mol. Biol. 2(6): 112-120	1.354	2010
15	D Talukdar	Bold-seeded and seed coat colour mutations in grass pea (<i>Lathyrus sativus</i> L.): Origin, morphology, genetic control and linkage analysis.	International Journal of Current Research 3: 104- 112.	1.125	2011
16	D Talukdar	Isolation and characterization of NaCl-tolerant mutations in two important legumes, <i>Clitoria ternatea</i> L. and <i>Lathyrus sativus</i> L.: Induced mutagenesis and selection by salt stress.	Journal of Medicinal Plants Research 5(16): 3619- 3628	0.590	2011

Books

Sl	Name of the Author/Editors	Name of the Book	Publisher & ISBN NO.	Year of Publication
1	Dr Kuntal Mukhopadhyay Associate Professor in Political Science	Natya--Sahitya—Natya Sahitya(Drama in in Performance--- Literature—Drama Text)	Published by Ratnabali Publisher	2010
		Drama Triogy—A Collection of Dramas	Published by Kolabhuit	2010
2	Dr Kuntal Mukhopadhyay Co Authors: K Chattopadhyay, Bankim Mondal & R Bose.	Comparative Politics	Published By SETU	2010.
3	Dr Apurba Kumar De Associate Professor in Bengali	Tapaswi o Tarangini : Punopather Abhingata	Uttara (Nikhil Bharat banga Sahitya Sammelan, Lakhnow Branch)	2010
4	Dr. Debashis Chattopadhyay Associate Professor in English	Nonsense Club and Monday Club: The Cultural Utopias of Sukumar Ray	Chapter in Ed Vol “The Literary Utopias of Cultural Communities. Eds. Margurerite Corporal and E. J. van Leeuwen, Amsterdam- New York. ISBN No.: 978-90-420- 2999-6	2010
5	Dr Sanjukta Bhattacharyya Assistant Professor in Philosophy	Chapter Titled “Eliade’s History of Religion —A Reaction Against Historicity and Historicism”	Chapter in the Book “Patterns in Philosophy and Sociology of Religions” Ed. By Mihela Glighor & Sherry Sabarwal, pub by Rawat Publications, New Delhi. ISBN NO: 81-316-0388- 1, Pg no. 127-150	2010

[IX] ACADEMIC RESULTS:

BA/B SC & B COM Part III (Honours) and General 1+1+1 System 2011—Final Examination						
Subject	Appeared	Passed				Failed
		Ist Class	2nd Class	P Div	Total Passed	
Bengali	35	0	33	2	35	0
English	17	0	15	1	16	1
Political Science	26	0	26	0	26	0
Philosophy	15	0	15	0	15	0
History	25	0	24	1	25	0
Physics	15	1	12	2	15	0
Chemistry	10	4	6	0	10	0
Mathematics	16	1	9	5	15	1
Economics	0	0	0	0	0	0
Physiology	6	4	2	0	6	0
Botany	6	0	6	0	6	0
Zoology	20	9	9	2	20	0
Accountancy & Finance	49	11	33	4	48	1
Total	240	30	190	17	237	3
B.A. General	237	0	10	218	228	9
B.Sc. General	40	1	14	25	40	0
B.Com General	63	2	6	45	53	10
Total	340	3	30	288	321	19
Grand Total	580	33	220	305	558	22

[X] PAPER PRESENTATION BY TEACHERS IN SEMINARS & CONFERENCES:

NAME	NAME OF THE SEMINAR	PLACE AND DATE	TITLE OF PAPER PRESENTED
Dr Anindita Mondal Majhi	National Seminar on 'Role Of Sports Science on Sports Performance and Fitness'	West Bengal Association of Sports Medicine at Jadavpur Univ. On 9 th Jan,2011	Physiological profile of Rifle shooter from West Bengal, India
	State Science Congress	Narendrapur ,Kolkata,28-29 Feb,2011	Assessment of pulmonary function of cement industry workers from West Bengal, India.
	Indian Science Congress	Chennai, 1-3 Jan 2011	Measurement of respiratory status among

			paint industry workers from West Bengal, India
Bappaditya Biswas Assistant Professor in Commerce	3 rd International Conference on MICROFINANCE	Pondicherry University, 22 nd -24 th January, 2010	Measuring Social Performance of Select Microfinance Institutions (MFIs) in West Bengal
	International Conference on Infrastructure Finance (ICIF 2010)	Indian Institute of Technology, Kharagpur, 3 rd -5 th June, 2010	Microfinance as a Tool for Entrepreneurship Development – Evidence from west Bengal
	Tenth International Accounting Conference	Indian Accounting Association Research Foundation 8 th – 9 th January, 2011	Social Performance Measurement of Microfinance Institutions: A Study on Bandhan
	4 th International Conference on Microfinance)	Pondicherry University, 27 th - 29 th January 2011	Graduating the Poorest into Microfinance – A Study on Select Institutions in India
	4 th International Conference on Microfinance)	Pondicherry University, 27 th - 29 th January 2011	Role of Microfinance in Rural Entrepreneurship Development – A Study in West Bengal
	63 rd All India Commerce Conference)	Faculty of Commerce, Goa University 1 st -3 rd October, 2010	Rural Entrepreneurship Development through Microfinance – A Study in West Bengal
	National Level seminar on Microfinance	Vivekananda College, with The Livelihood School Hyderabad 24 th -25 th June, 2011	Microfinance as a tool for Financial Inclusion for the Poor: Evidence from India
	National Level seminar on Microfinance	Centre for Microfinance Research Banking Institute of Rural Development (BIRD), Lucknow 2 nd -3 rd December, 2011	Ensuring Implementation of Client Protection in Microfinance: A Study of Select Microfinance Institutions in West Bengal
	State Level seminar on Microfinance	Dept. of Commerce, Parash Kanpur Haridas Nandi Mahavidyalaya, Howrah January, 20 th & 21 st , 2012	A Study on the Proposed Structure of Goods and Services Tax (GST) in India
Dr Shila De	Ancient Thoughts on Medical Science and Environment	Women's College, Calcutta, 10 th Sept 2010	Ancient Thoughts on Medical Science and Environment
	Memorial Lectures	Howrah Sanskrit Sahitya Samaj O Nityananda Shastracharcha Kendra, 8 th Jan 2011	Mahabharate Poribeshvidya r probhab
Sukla Ghosh Choudhury	UGC National Seminar on “Impact of Science on	Baruipur College and Madarhat Popular Academy	Rabindranather Bigyanchetana—Sesh Parjaer Kabbe.

	Literature and Impact of Literature on Science in the context of Globalisation.	23 rd and 24 th Feb 2010	
Dr Malobika Banerjee	UGC National Seminar on “Impact of Science on Literature and Impact of Literature on Science in the context of Globalisation.	Baruipur College and Madarhat Popular Academy 23 rd and 24 th Feb 2010	Rabindranather Bigyanchetana
Dr Didyendu Talukdar	International Workshop on ‘Toxiconutritional Neurodegenerations-Konzo and Lathyrism’ Title:	University of Ghent, Belgium, Cassava Cyanide Diseases and Neurolathyrism Network September 21-22, 2009, organized worldwide by Newsletter (CCDN) 14:20, Dec, 2009. University of Ghent, Belgium.	DIFFERENT CYTOGENETIC TESTER STOCKS AND LINKAGE MAPPING IN GRASS PEA (<i>Lathyrus sativus</i> L.) via videoweb.
Subhankar Kumar Sarkar	UGC sponsored national seminar	Zoological Survey of India & Botanical Survey of India Lady Brabourne College on 20 th January, 2011.	Bioresource and Human Welfare”
Dr Amal Chandra Mondal	98 th Indian Science Congress Association Conference,	Chennai, (Tamilnadu) 03-07 Jan, 2011.	“Role of Neurotrophins in Stress and Depression”
	18 th West Bengal State Science and Technology Congress	WBSS&T & RKM Residential College Narendrapur, kolkata 28 Feb - 01 March, 2011,	“Effects of long term stress recovery on behavioral, physiological and neurochemical aspects in male and female rats”
Anupam Mitra	Annual Conference of Indian Commerce Association	University of Goa on 2 nd and 3 rd Oct 2010	Comparative Aanalysis of Rural Cooperative Institutions in West Bengal with Bihar and Orissa.
Mala Bhattacharya & Dr Rajrupa Mitra	30 th Annual Conference of Bengal	Economic Association,W.B6-7 February 2010	Role of R.B.I in the current phase of Indian Economy
	National Seminar	Department of Economics, University of Calcutta, 29 th – 30 th March 2011	The Recent Problems of Unemployment in West Bengal and the Future Employment Scenario

IX] EXAMINATION CONDUCTED:

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

a) College Examination:

Internal college examinations regularly take place under the watchful eyes of the Examination Committee. Departmental Examinations, which include Class tests, the respective departments take Unit tests of Honours courses.

- i) Mid Term Tests for B.A., B.Sc., B.Com for Ist Year 2nd Year and 3rd Year in November 2010
- ii) B.A., B.Sc. Part III test (1+1+1) January '11
- iii) B.Com., B.A., B.Sc. Part II test (1+1+1) February '11
- iv) B.Com., B.A., B.Sc. Part I test (1+1+1) March '11

b) University(Calcutta University) Examination of:

- i) B.A/B.Sc., B.Com. Part III Exam May 2011
- ii) B.Com. B.A/B.Sc.,Part II Exam , June 11
- iii) B.Com. B.A/B.Sc.,Part I Exam July 11

c) The college has emerged as a Zonal answer scripts distribution center and Practical Examination centre of various Calcutta University examinations.

- 1) Philosophy: B.A. Part II (1+1+1) General Paper II
- 2) Economics B.A. Part II (1+1+1) General Paper II
- 3) Physics: B.Sc. Part I Practical Exam. Centre
- 4) Chemistry: B.Sc. Part I Practical Exam. Centre
- 5) Zoology: B.Sc. Part I Practical Exam. Centre

[XI] ANNUAL ACADEMIC REPORT:

ANNUAL ACADEMIC REPORT is updated till 2010-2011

III 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:

➤ **2010-2011**

NAME OF THE PROGRAMME
Freshers' Welcome
Inter Class Cultural Competition

Inter Class Sports Competition
Annual Sports
Students Festival
Published College Magazine
Observation of Black Day
Saraswati Puja
<i>Bhasa Dibas</i> (Language Day)

i) FRESHERS' WELCOME:

- At the beginning of the Academic Session, after admissions are complete, the Students' Union Organise Freshers' Welcome for the newly admitted students. The Principal and some members of the Staff apprise the students regarding the College, its ambience and aims. This is followed by Cultural Programme organised by the students.

ii) STUDENTS' FESTIVAL:

A two-day programme is held in the month of November / December every year. The major programmes are:

- Prize Distribution Ceremony: Prizes are distributed among successful candidates of various University Examination who have topped among the College students, and to winners of Singing, Recitation, Debate, Extempore Speech, Quiz Competitions.
- Inter-Institutional Cultural Competition: Academic Institution in and around the College are invited to participate in a cultural competition. Every year a significant number of schools take part in this programme. Such initiatives are taken to spread the message of peace, equality in diversity and a drug-free world among the future of the Nation.

2. NEW ACADEMIC PROGRAMMES INITIATED (UG AND PG) : N. A

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 implement any curricular changes although faculty inputs are given regularly to the University which in turn helps the authorities to reshape the syllabus of various subjects.

- The College cannot design and review the curriculum. The Board of Studies, University of Calcutta, solely does it. Hence, though some teachers do participate in the process as members of the Syllabus sub-committee that is not sufficient when requirements of the students for the local job scenario are considered.
- The College cannot introduce courses at will. It can only provide subject / elective options to the students, who sometimes expect wider options.

- There are teachers who are associated with various innovations in curricular design of CU:

Sl.	Name of the Teacher	Designation	Hold on
1.	Dr. Bitanbindu Bandyopadhyay	Associate Professor in Physiology	Member, Syllabus Committee for Under Graduate courses in Physiology.
2.	Dr. Srutinath Praharaaj	Associate Professor in Commerce	Elected Member of the Senate, Calcutta University, since 1995 till date. Member, Syllabus Committee for Under Graduate courses in Commerce.,
3.	Dr Kuntal Mukhopadhyay	Associate Professor in Political Science	Member, Syllabus Committee for Under Graduate courses in Political Science.
4.	Dr. Binod Kumar Pathak	Associate Professor in Botany	Member, Syllabus Committee for Under Graduate courses in Botany.

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.

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.

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	Designation & Department	Course	Name of Academic Staff College	Duration
Rajrupa Mitra	Assistant Professor in Economics	Orientation Programme	University of Calcutta	9 th Nov -6 th Dec 2010
Saumi Mukherjee	Assistant Professor in Philosophy	Refresher Course	University of Calcutta	18 th – 8 th Dec, 2010
Nilu Halder	Assistant Professor in	Refresher	University of Calcutta	6 th -28 th Dec

	Botany	Course		2010
Pallab Gayen	Assistant Professor in Chemistry	Refresher Course	Jadavpur University	3 rd -22 nd Jan 2011
Mala Bhattacharjee	Assistant Professor in Economics	Refresher Course	Jadavpur University	15 th Feb -8 th March 2011

8. TOTAL NUMBER OF SEMINARS / WORKSHOPS CONDUCTED:

List of International/ National Conferences/Seminars/Workshop/ Endowment or Invited Lecture/Interdisciplinary Lecture Sessions organized

Name of the Seminar	Sponsoring Agency	organizer	Date
National Level			
The Poet and the Mahatma	Gandhi Memorial Museum and Raja Peary Mohan College	History , Philosophy and Political Science, Raja Peary Mohan College	10 th November 2010
Satabase Bimal Mitra	UGC	Dept of Bengali Raja Peary Mohan College	22 nd and 23 rd Sept 2011
Invited Lectures			
Swami Vivekananda and his Ideas For social & Cultural Development	NSS Unit Raja Peary Mohan College	NSS Unit Raja Peary Mohan College	12.01.2011
Endowment Lectures			
Annual Prof Parasar Chatterjee Memorial Lecturer	Parasar Chatterjee Memorial Trust	Dept of English, Raja Peary Mohan College	2010

9. RESEARCH PROJECTS

ONGOING MAJOR RESEARCH PROJECT:

Sl	Name of the Faculty	Title of the Ongoing Projects	Funding Agency	Amount Sanctioned	Duration
1	Dr. Shyamal Kumar Chakraborty, Department of Physics.	A study on variability of post-sunset total electron content and scintillation near the crest of the equatorial anomaly in the Indian zone	ISRO <u>RESPOND</u> program	Rs 9.98 lakhs	3 Years (2009-12)

2	Dr. Shyamal Kumar Chakraborty, Department of Physics.	Electrodynamical control over the ionization processes near the crest of the equatorial ionization anomaly and beyond	(DST), Govt. of India.	Rs 54,00,000/-	3 Years (2010-13)
3	Dr. Amal Chandra Mondal, Department of Physiology.	Role of Neurotrophins in Stress and Depression	(DST), Govt. of India.	Rs 26,50,000/-	3 Years (2010-13)

Minor Research Projects

- New**

Sl	Name of the Faculty	Title of the Ongoing Projects	Funding Agency	Amount Sanctioned	Duration
1	Nilu Halder Department of Botany.	Collection, Characterization and Identification of Some Aquatic Flora of Ponds, Shallow Water bodies, Swampy Lands of Hooghly District, West Bengal.	UGC	Rs. 1, 27,500/-	18 Months (2010-12)

- Completed / On Going**

Sl	Name of the Faculty	Title of the Ongoing Projects	Funding Agency	Amount Sanctioned	Duration
1	Dr. Tarit Kumar Bandyopadhyay Department of Zoology.	Studies in the Incidents and Morphometry of Hilsa Fish (Tinulosa hilsa) in the selected portion of the upper stretch Hooghly estuary	UGC	Rs. 98,000/-	18 Months (2009-11)
2	Niladri Bhattacharyya Department of Political Science	Potentiality of Eco-Tourism in Saranda Hills :	UGC	Rs.84,000/-	18 Months (2009-11)

		Challenges and Prospects			
3	Dr. Hrishita Gupta Bakshi Department of Bengali.	Goto eksho bochore bangle katha sahitya bidhoba meyera—eka meyera	UGC	Rs. 1, 32,000/-	18 Months (2009-11)
4	Dr Maitri Basu Biswas Department of Zoology.	Insect Faunal Diversity OF Pond banks of a village Paschimpara under GoghatII Panchayet Samiti Hooghly District, West Bengal	UGC	Rs.1,22,000/-	18 Months (2009-11)
5	Dr. Sudhin Kumar Bera, Department of Commerce.	An Economic Evaluation of Self-Help Groups in the District of Midnapore (East). West Bengal	UGC	Rs. 1, 10,000/-	18 Months (2009-11)
6	Dr. Sanjukta Bhattacharyya Department of Philosophy.	Paradigms of D. D. Kosambi and Mircea Eliade—An exposition on Religion and Myths	UGC	Rs. 1,50,000/-	18 Months (2009-11)
7	Dr. Sarmistha Nath Department of History.	Discourse on the Formation of a Righteous Government: The Idea of Alternative Governance in Bengali Mind(1858-1950)	UGC	Rs. 92,000/-	18 Months (2009-11)

10. PATENTS GENERATED, IF ANY

Not Applicable.

11. NEW COLLABORATIVE RESEARCH PROGRAMMES

A major research grant (Rs 23 lakhs) has sanctioned by the Science Engineering and Research Council (SERC) Division, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, New Delhi-110 016.

A brief of the project regarding Animal use, PI'S Name, Project title is given below:

1. Project/Dissertation/Thesis Title: “Role of Neurotrophins in stress and depression”

2. Principal Investigator/Research Scholar/Research Guide/Advisor:

a. Name: AMAL CHANDRA MONDAL

b. Designation: Lecturer in Physiology

c. Dept./ Div./ Lab: PHYSIOLOGY

d. Telephone No. 033-2663-4155 / 9432209050

e. Experience: PI has expertise doing all the proposed experiments. He had used same animal model of depression on different project in the Dept. of Psychiatry, University of Illinois at Chicago (UIC), Chicago, IL-60612, USA.

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.

c) Department of Science & Technology (DST)

13. DETAILS OF RESEARCH SCHOLARS

Students Research Scholars work in the institution under different faculty members as a part of the major research carried out/ ongoing in the institution.

Sl	Students Research Scholars working in the institution as a part of the ongoing major research in the institution	Title of the Project	Duration	Funding agency	Total funding received for the project
1	Rajkumar Hajra Date of Registration for Ph.D : April 16,2008 Name of the University: Calcutta University	A Study on the Variability of Total Electron Content near the Crest of the Equatorial Anomaly in the Indian Zone	3 Years	ISRO <u>RESPOND</u> program, Govt. of India. Supervisor: Dr Shyamal Kumar Chakraborty	Rs 9.98 lakhs
2	Ritabrata Banerjee, M. Sc Alumnus of Raja Peary Mohan College Uttarpara, Department of Zoology	Role of Neurotrophins in Stress and Depression	3 Years	(DST) Govt. of India Supervisor: Dr Amal Kumar Mondal	Rs 26,50,000/-

14. CITATION INDEX OF FACULTY MEMBERS AND IMPACT FACTOR

Citation index of Dr Shyamal Kumar Chakraborty and D Amal Chandra Mondal are cited by research Scholars and others.

15. HONOURS/AWARDS TO THE FACULTY : N.A**16. INTERNAL RESOURCES GENERATED**

- i) Students Fees: Rs. 31,55,643.00
- ii) Fund mobilization from auditorium: Rs. 18,950.00
- iii) Sale of Admission Form: Rs. 2,66,910.00
- iv) Tuition Fees for UGC Career Oriented Courses: Rs. 34,440.00

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

	Name of the Faculty	Title of the Ongoing Projects	Funding Agency	Amount Sanctioned	Duration
1	Dr. Shyamal Kumar Chakraborty, Department of Physics.	A study on variability of post-sunset total electron content and scintillation near the crest of the equatorial anomaly in the Indian zone	ISRO <u>RESPOND</u> program	Rs 9.98 lakhs	3 Years (2009-12)
2	Dr. Shyamal Kumar Chakraborty, Department of Physics.	Electrodynamical control over the ionization processes near the crest of the equatorial ionization anomaly and beyond	(DST), Govt. of India.	Rs 54,00,000/-	3 Years (2010-13)
3	Dr. Amal Chandra Mondal, Department of Physiology.	Role of Neurotrophins in Stress and Depression	(DST), Govt. of India.	Rs 26,50,000/-	3 Years (2010-13)

18. COMMUNITY SERVICES

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

A. COMMUNITY SERVICES

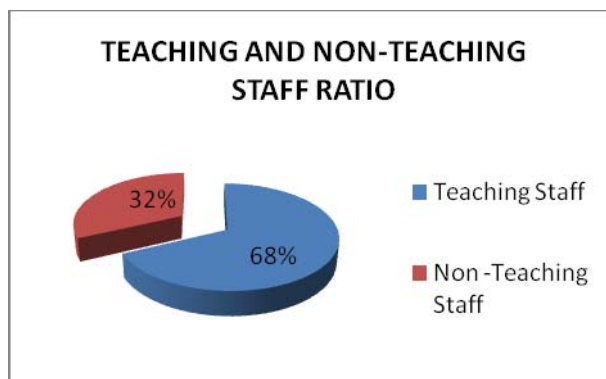
Community development, Social work, Health Awareness campaigns & Environmental awareness Programmes are organised by the **National Service Scheme (NSS) Unit, A P C Roy Eco-Club, and Health Unit of the college:**

- ★ Health, nutrition and education awareness camp
- ★ Promotion of National Integration by the **NSS Unit**
- ★ Aids Awareness Campaign by the **NSS Unit**
- ★ Service Learning Through Blood Donation
- ★ The literacy drive in the slumps situated near the college.
- ★ Monitoring the health of the students, teachers and non-teaching staff are done regularly.
- ★ **Health Unit of the college** provides First Aid Treatment for students and staff.
- ★ Provision for blood pressure check up and height and weight measuring instruments are present.
- ★ Health Camp for Awareness about Thalesemia, Anti Rabies and animal bite and Cardio-vascular resuscitation with Rotary Club of East Calcutta and Rotary Club of Salt Lake, Down Town. (NGO) in 2010
- ★ **A P C Roy Eco-Club** Organizes regular Scientific Exhibition and Environmental & health awareness camp in collaboration with Pachim Banga Vigyan Mancha Hooghly District committee on “Scientific and Environmental awareness” in different places in the Hooghly district, Like Arambagh, Goghat, Uttarpara etc.
- ★ **Gender Sensitization through the Women Cell:** A Cell for addressing issues related to women staff & students is constituted by the Governing Body of the college. The cell encourages students & staff to participate in all cultural activities. It inspires them for empowerment socially and financially. The cell makes women students aware of the social responsibilities and gives them mental support to fight against sexual harassment of women students and for other women of the society. This cell takes initiatives for guidance and counseling of women students

19. TEACHERS AND OFFICERS NEWLY RECRUITED: Not Applicable

20. TEACHING AND NON-TEACHING STAFF RATIO

Teaching Staff	Non -Teaching Staff
62	25



21. IMPROVEMENTS IN LIBRARY SERVICES

- Library is now almost fully automated. Local Area Network (LAN) using Customized software has been procured for automating in-house activities and services of the library.
- Complete Accession Numbering System & Cataloguing of all books and journals and user friendly Multi-Digit Alpha Numeric Decimal based numbering system according to the latest 22nd edition of
- The Online Public Access Catalogue (OPAC) is made available to the users to identify the status of availability of documents in the library.
- The Library has applied to avail the INFLIBNET connection.
- Bandwidth of 2mbps dedicated line through BSNL provides increased speed for quick access by the users and to avail the facilities especially on document delivery system/inter-library loan etc.
- Indian journals are subscribed directly and foreign journals through authorized agencies/vendors. Books are procured from all over the country and abroad. Book sellers/Publishers are encouraged to send latest books on approval basis.
- Based on latest catalogues, list of book reviews, the Departments sends a list of books/journals to be procured.
- Extension of Library building for book stacking purpose
- E-Journal Subscription— Process for subscription is on going

22. NEW BOOKS/JOURNALS SUBSCRIBED AND THEIR VALUE

No of books & Journal purchased and Subscribed in 2010-2011	Amount from UGC Grant	Amount from College fund	Total
920	Rs. 4,08,233.00	Rs. 13,603.00	Rs. 4,21,836.00

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 2010-2011 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:

24. UNIT COST OF EDUCATION**ANNUAL EXPENDITURE OF THE COLLEGE FOR THE YEAR 2010-2011.**

Expenditure		
Sl	Items	Amount (Rs.)
1	Advertisement	Rs. 26,752.00
2	Audit Fees	Rs. 3,500.00
3	Bank Charges	Rs. 17,148.00
4	Bank Interest	Rs. 2,33,192.47
5	Bonus	Rs. 25,000.00
6	Canteen Expenses	Rs. 4,000.00
7	Caretaker Allowances	Rs. 4,500.00
8	Casual Remuneration	Rs. 1,14,150.00
9	Chemical for Lab	Rs. 70,747.00
10	Cleaning	Rs. 40,600.00
11	College Exam Expenses	Rs. 42,808.00
12	Computer Maintenance	Rs. 46,407.00
13	Contingency Expenses	Rs. 35,070.56
14	CU Exam Expenses	Rs. 21,265.00
15	CU Exam Fees Paid	Rs. 4,74,820.00
16	CU Migration Expenses	Rs. 240.00
17	Donation Paid	Rs. 7,700.00
18	Electrical Works	Rs. 50.00
19	Electricity Charges	Rs. 2,01,890.00
20	Examination Expenses	Rs. 9,89,298.00
21	Excursion Expenses	Rs. 28,290.00
22	Exgratia	Rs. 20,500.00

23	Expenses for DST Project	Rs. 29,30,960.00
24	Generator Maintenance	Rs. 2,830.00
25	ISRO Expenses	Rs. 3,37,303.00
26	Lab Materials	Rs. 1,15,975.80
27	Labour Charges	Rs. 32,129.00
28	Leave Encashment	Rs. 9,76,862.00
29	Magazine	9,800.00
30	Miscellaneous Expenses	Rs. 1,11,431.00
31	MRP Paid	Rs. 1,30,341.00
32	Municipal Tax	Rs. 3,228.80
33	News Paper	Rs. 5,134.00
34	NSOU Expenses	Rs. 65,000.00
35	NSS Expenses	Rs. 93,500.00
36	Pest Control	Rs. 2,000.00
37	Postage Expenses	Rs. 1,839.00
38	Printing	Rs. 66,604.50
39	Professional Fees	Rs. 8,147.00
40	Refreshment	Rs. 27,440.00
41	Refund of Fees	Rs. 12,825.00
42	Remuneration	Rs. 1,50,600.00
43	Repairing	Rs. 1,62,895.00
44	Round Off	Rs. 1.20
45	SAF Expenses	Rs. 20,555.00
46	Salary-Arrear & Adjustments	Rs. 54,956.00
47	Salary-Library and GLI Staff	Rs. 24,46,188.00
48	Salary-Non Teaching Staff	Rs. 63,59,238.00
49	Salary-Part Time Teaching Staff	Rs. 6,31,000.00
50	Salary-Teaching Staff	Rs. 3,82,62,604.00
51	Scholarship Paid	Rs. 25,200.00
52	Seminar Expenses	Rs. 33,419.00
53	Specimen for Lab	Rs. 14,124.00
54	Staff Canteen Subsidy	Rs. 18,000.00
55	Stationary	Rs. 1,05,148.00
56	Student Health Home Expenses	Rs. 19,736.00
57	Student Union Canteen Subsidy	Rs. 13,500.00
58	Student Union	Rs. 2,26,585.00
59	Subsidy to Cycles Stand	Rs. 10,000.00
60	Telephone Expenses	Rs. 42,841.00
61	Travelling Expenses	Rs. 54,769.00
62	UGC Expenses	Rs. 22,11,730.00
63	Depreciation	Rs. 11,16,570.00
	Total	Rs. 5,93,20,937.33

CALCULATED UNIT COST OF EDUCATION in 2010-2011 [Annual Expenditure of **2010-2011** (given as above) divided by the total number of students in the year **2010-2011** (whose total number is 2219)]:

UNIT COST OF EDUCATION in 2010-2011 Rs. 26,733/- (With Salary)

UNIT COST OF EDUCATION in 2010-2011 Rs. 5,212/- (Without Salary)

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

- **Installation of server based Local Area Network (LAN) facility & Computerization & Information Management System in the administrative process—** CIMS: Installation of local area network (LAN) to Provide Easy maintenance and quick reference of various data related accounting and financial status of the institution.
- The Institution has moved towards electronic data management and have official institutional website www.rpmcollege.org, to provide ready and relevant information to stakeholders regarding admission. (downloading of admission forms, eligibility criteria, intake capacity, rules and regulations regarding reservation of seats for SC/ST & OBC candidates, fee structure, rules and regulations of the college, courses offered, List of candidates selected for admission according to merit etc. date & time of admission) and other data related to admission.
- The management staff although is now not adequately prepared to make use of Information and Communication Technology (ICT) but trying their level best to prepare them to cope up with the situation. Conscious effort is also being made to orient the office and Library Staff to make use of Information and Communication Technology (ICT) optimally
- The college has installed LAN with a High Configuration Server. Installation of server based local area network (LAN) facility to Provide Fast flow of data across computers, Internet connection in departmental computers to browse and download study materials, research papers etc. ,Easy maintenance and quick reference of various data (student records, results, accounts etc.)

- Implementation of Computerization & Information Management System in the administrative process—to Provide Easy maintenance and quick reference of various data (student records, results, accounts etc.) has made an effective impact on administration & governance of the college.

26. INCREASE IN THE INFRASTRUCTURAL FACILITIES

1. Central Computing Laboratory: A well-designed modern central Computing Laboratory is constructed and will be operational shortly with advanced audio-visuals multi-media, and computers with Internet connections with 18 computer systems and qualified and experienced staff to maintain the systems and to provide technical assistance to the faculty members and students. This facility is located at a central place and is accessible to all the Departments.
2. Laboratory & space for research activities: The Teachers engaged in Research activities, with Major Research Project funding, have a separate Laboratory for research activities. The Teachers engaged in Research activities, with Minor Research Project funding, have a separate Space within each department for research activities.
3. Power supply: The College also has back-up facilities with 30 kv generator and UPS for uninterrupted power supply.
4. Construction of a New Conference Room is in the process
5. Extension of Botany Laboratory with a Bio-Chemistry and Micro-Biology Lab.
6. Separate English Department with seminar Library and Computer Centre
7. Vertical expansion of the old college building to construct at least five classrooms is under way
8. Rejuvenation and renovation of the of building is in the process work started with fund released by UGC in 2011.
9. New Department for History Political Science, Philosophy and Economics is in the Process.
10. Renovations of all students toilets of the college is underway
11. Renovation and building of New toilets for lady staff and students in each floor of the institution is on.
12. Installation of a elevator is in the process
13. Expansion and renovation of the Library in the process
14. Construction of a New Conference Room is in the process

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

- Computer with Internet Connections for all Departments for the utilization for the staff and students.
- Departments of Mathematics Physics & Commerce have established computer facilities for the benefit of the students and the faculty
- There is a well-designed modern central Computing Laboratory with advanced audio-visuals multi-media, and computers with Internet connections with 15 computer systems and qualified and experienced staff to maintain the systems and to provide technical assistance to the faculty members and students. This facility is located at a central place and is accessible to all the Departments.
- All the Departments have been provided with computers.
- In-house training for target groups also arranged for using different software.
- The management staff although is now not adequately prepared to make use of Information and Communication Technology (ICT) but trying their level best to prepare them to cope up with the situation. Conscious effort is also being made to orient the office and Library Staff to make use of Information and Communication Technology (ICT) optimally.

29. FINANCIAL AID TO STUDENTS

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

FINANCIAL AID TO STUDENTS

- The college financially help needy students and wave their students fees.
or give 50% concession for their students' fees.
- Regular travel concessions are awarded to each and every student of the college.
- *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.
- *Bandana Chatterjee Memorial Endowment Scholarship* amounting to Rs. 1000 per year is awarded to the best Physics Honours student based on Part II results.
- The teachers of the college financially helped a needy medical student named by Shantanu Mokherjee of National Medical College, Kolkata to buy books and instruments for his study.

Students Aid Fund:

The college has a student aid fund managed by the students union of the college. Needy students on recommendation of the student union get financial support from this fund.

The college authority after verifying the applications with the help of students union and teaching and non-teaching staff give the aid on merit-cum-means basis from its own resources. Separate allocation is made for this in the Budget of the college every year.

30. ACTIVITIES AND SUPPORT FROM THE ALUMNI ASSOCIATION

ALUMNI ASSOCIATION

The Alumni Association was formed once again after a lapse of 19 years on 19.09.2004. Raja Peary Mohan College Old Students' Association was formed in 1935, to help the College to overcome the financial crisis it faced at that time. In 1986, during the Centenary Celebration of the College an Alumni Association was formed. However, it ceased to exist after a short while. On 19th September 2004 the present Alumni Association has been formed in an organized way and the first meeting was held on that day. **The present convener of the alumni association is Sri Uday Sankar Hazra, Head of the Department of Zoology of the college and also an ex-student of this college.** The Association is preparing to register it under the existing law.

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.

➤ Parent – Teacher Meeting:

Some Departments (like Bengali, English, Chemistry, Mathematics, Philosophy, Physiology, Zoology and Commerce) have conducted Parent Teacher meetings to interact with parents regarding their wards.

32. HEALTH SERVICES

RAJA PEARY MOHAN COLLEGE MEDICAL UNIT

The Medical Unit under the aegis of the convener, Dr. Sugopa Ghosh Mondal 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. This year the unit organized a health camp on physical checkup of I st year students of the college, which included pressure, height weight and general check up of all students and also blood group test. First aid is available students and teacher's common rooms are available in college hours. Regular health check-up is done every year

33. PERFORMANCE IN SPORTS ACTIVITIES

- Participated in the University Football Tournament 2010
- Participated in the Inter College Football Tournament 2010
- Ria Roy participated in the XXXXII West Bengal State Shooting Championship Competition 2009 held at Asansol Rifle Club Range from 1st to 4th October 2009 in Rifle and Pistol events.
- Ria Roy participated in the XIX All India G V Mavlankar Shooting Championship 2009 from 20/10/09 to 29/10/09 and was placed in the 10th position.

34. INCENTIVE TO OUTSTANDING SPORTSPERSONS

- Teachers encourage outstanding but needy sportspersons individually with voluntary monetary help. Special leaves are granted to enable them to participate in different competitions

35. STUDENT ACHIEVEMENTS AND AWARDS

1. Participation In Special NSS Camp of the NSS Unit of the College.
2. Selected as a NSS member for Republic Day Parade.
3. Ria Roy participated in the XXXXII West Bengal State Shooting Championship Competition 2009 held at Asansol Rifle Club Range from 1st to 4th October 2009 in Rifle and Pistol events.
4. Ria Roy participated in the XIX All India G V Mavlankar Shooting Championship 2009 from 20/10/09 to 29/10/09 and was placed in the 10th position.

36. ACTIVITIES OF THE GUIDANCE AND COUNSELLING UNIT

- **A guidance and counseling unit** is created 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. Recently UGC has sanctioned money to rejuvenate the cell in the XI Plan, Dr Bulbul Thakur is appointed by the college authority as the coordinator of the cell.

37. PLACEMENT SERVICES PROVIDED TO STUDENTS

- **Coaching For Entry Level Examinations in different Government and Non-Government Service:** From this Year Raja Peary Mohan College has started the UGC Sponsored Coaching For Entry Level Examinations in different Government and Non-Government Service specially for the SC/ST/OBC (excluding creamy layer) and Minorities. Most of these students come from economically backward families & Coaching classes for entry in services will benefit them help them to achieve better results. It is also important for them, as most of them are first generation learners. They do not have enough support from the family as they come from economically poor background and it is not possible for them to go to any coaching center and get tuitions for entry into service like WBCS, SSC PSC etc. But there are many bright students and they always want to move further in life but for their poor social and economic background they do not get the opportunity to move ahead. This type coaching class will help immensely benefit them.

38. 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.
- e) **Remedial Coaching:** Teachers regularly participate in UGC Sponsored Remedial coaching classes for students belonging to SC, ST , minorities communities, slow and advanced learners and financially backward class to minimize the dropout rate and facilitate the students to complete the course.
- f) **Coaching For Entry Level Examinations in different Government and Non-Government Service:** From this Year Raja Peary Mohan College has started the UGC Sponsored Coaching For Entry Level Examinations in different Government and Non-Government Service specially for the SC/ST/OBC (excluding creamy layer) and Minorities. Most of these students come from economically backward families & Coaching classes for entry in services will benefit them help them to achieve better results. It is also important for them, as most of them are first generation learners. They do not have enough support from the family as they come from economically poor background and it is not possible for them to go to any coaching center and get tuitions for entry into service like WBCS, SSC PSC etc. But there are many bright students and they always want to move further in life but for their

poor social and economic background they do not get the opportunity to move ahead. This type coaching class will help immensely benefit them.

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

Dr. Amal Mondal during his post-doctoral research worked with two international groups one led by Dr. Robert R. Conley of Maryland Psychiatric Research Centre, Baltimore, Maryland, USA and another led by Dr. Gabor Faludi, Dr. Milkos Palkovits, Dr. Andrea Sarosi of The Laboratory of Morphology, Hungarian Academy of Sciences and Semmelweis University, Budapest, Hungary.

Dr. Samir Roy worked with IIT Madras, TU Kaiserslautern, ITWM, the Research and Development consultancy to EU Industry under the supervision of Dr. Michael Junk.

COLLABORATION WITH NATIONAL LEVEL ACADEMIC INSTITUTIONS

1. 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.
2. A major research grant (Rs 23 lakhs) has sanctioned by the Science Engineering and Research Council (SERC) Division, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, New Delhi-110 016.
3. Several teachers are members of esteemed national and international academic and cultural bodies.

PART C

PLANS FOR THE FUTURE

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

- **To complete the college Building Expansion and renovation.**
- **Complete the construction of the multi-media enabled lecture cum conference room**
- **Installation of a Elevator**
- **Renovation of All Student Bathrooms**

- **Environmental Consciousness and Development of Renewable energy and energy conservation,--- Installation of a solar energy plant**
- **Plantation and rain water harvesting.**
- **Efforts to create Consciousness and management of solid and bio disposable waste products of the college.**
- **Organize national seminars. Organize career counseling and campus training programmes for students.**
- **Organize community development work.**
- **Renovation of Principal's Room and college office.**
- **Purchase of more books and journals**
- **Purchase of Laboratory equipments to upgrade the science laboratories.**

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