


Presidency University

PRASANGIKI



The Annual Report of
Presidency University (formerly Presidency College), Kolkata
195th Founders' Day, 20th January 2012

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Annual Report of Presidency University, Kolkata
(Formerly Presidency College)

20 January, 2012
195th Founders' Day



Presidency University
Kolkata

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Prasangiki

Annual report of the activities of different departments of Presidency University (formerly Presidency College), Kolkata for the year 2011

195th Founders' Day
20 January, 2012

Published by Prof. Malabika Sarkar, Vice Chancellor, Presidency University, Kolkata.

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Prasangiki 2012

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Celebrating the forthcoming
150th Birth Anniversary of Swami Vivekananda



12 January 1863 – 4 July 1902

Our Homage to
Sukumar Roy
on the completion of his 125th Birth Anniversary



3 October 1887 - 9 September 1923

Founders' Day

A University was born in the twilight of great hopes and myriad apprehensions. It was not an unmixed blessing for those who considered it long overdue. The protagonists were constantly put in the dock for their alleged vested interests in Presidency's transition to a University. A burden of guilt was also thrust upon them as if in their self-seeking machinations they shut down the doors of this Institution to teachers of other colleges. The media unleashed a fierce criticism of the present state of the Institution incessantly harping on a complete loss of its past glory. For some, the transition was a sacrilege. For others, it was just a partisan ploy of flaunting a pro-active stance to enlist social support. The future, obviously, did not seem rosy. Teachers, students and non-teaching staff clamouring for turning this Institution into a University were condemned as demons destined to face worst possible ignominy. But they were armed to suffer the rage of the self-proclaimed angels.

Amidst free-flowing speculations on recruitment policy, statutes, semester system and appointment of guest faculty, postgraduate courses were introduced, new syllabi for both undergraduate and postgraduate courses were framed, process of evaluation of answer scripts was perfected through deliberations in the academic committees set up for the purpose in each department and finally teaching of students pursuing postgraduate and undergraduate studies under the new semester system started. Back-breaking class-loads and the responsibility of taking equal care of the students studying under Calcutta University in this Institution did not impede research and discourses in regularly organised seminars and interactive sessions graced by eminent scholars.

Meanwhile, the students came out with flying colours in examinations with many securing top positions. But only the failures of some of the students hit the headlines in print and electronic media. The existing teaching-learning process was lambasted. The verdict was given, condemning this centre of excellence to an inevitable apocalypse. Still, former students of this Institution pursuing studies in different Universities both at home and abroad frequently visit their departments and tell an entirely different story. They regret that they could not take admission to Presidency University. Will the soothsayers who have predicted Presidency's impending doom find out what has fostered such a feeling?

Hindu College surely touched the hornets' nest nurtured by the conservatives. But renaming it as Presidency College with new departments and enhanced scope of specialised studies did not create any furore. It always remained a breeding ground of revolutionaries and social reformers who shaped our ethos. This legacy of development never faced any serious challenge. Why is it being condemned now? Is there anybody there to answer it? Is there anybody there?

When the deafening sound of rock music in students' fests stop jarring the window panes, when portico's slogan shouting subsides, when the night progresses, the grand edifices in the sprawling campus loom large as if the Institution's towering presence overshadows everything else. Sometimes the elongated shadows of grandiose columns play tricks. One muses on the unreal. Who is climbing up the stairs? Are you Prof. Sen? Are you watching the new developments? Do you think that Presidency should not have become a University? Did you ever want your students to stick to any fixed notion? In the end, the lights were on restoring reality. Prof. Sen is nowhere to be found to provide answers. On this Founders' Day we have only questions that have not yet been answered and we request everybody to remember, if ambition to build a University was a grievous fault, grievously have the protagonists answered it.

From the Vice Chancellor's Desk



I write this with less than three months experience as Vice Chancellor of Presidency University but with many years of dreams of what Presidency could be one day. In an essay in the Presidency College Autumn Annual 2010-11, written at a time when I had no idea that I would have a chance to share in the shaping of Presidency into a university of distinction, I had expressed the “wish that perhaps, some day, a measure of brilliant scholarship, without any intellectual arrogance, and indeed with an abundance of grace and compassion, will bring new glory to Presidency College”. Today this seems achievable and I feel immensely privileged to be a part of Presidency at a time when this new university is poised to move towards exciting new frontiers.

As Presidency moves towards a centre of excellence, it should position itself for recognition in the national as well as the international league of universities. This is not presumption but a goal which, I believe, can be reached. Presidency University has a pool of talent, both within and among the alumni, which should be utilized while engaging in strategic planning for its future.

However pretentious it might sound, I cannot avoid the word vision. To join the league of global universities, a university has to engage in strategic thinking. No university can truly succeed until it first identifies its own core areas of competence. These are the areas in which that university needs to strengthen itself and then to secure international partnerships. True, there will also be areas of lack for which it will seek compensation by entering into a partnership from which it can draw sustenance. It is the old story of a SWOT report strengths, weaknesses, opportunities and threats but Indian universities rarely adopt this management mantra. The flux of everyday life, with its innumerable crises, rejoicings, deadlines, is like a relentless swirl that carries the university onward without any moment of peace for reflection, analyses, decision-making. I am sure this is a situation familiar to all who, like me, are in university administration but this situation needs to change if Indian universities are to be recognized globally.

While such aspirations for Presidency University remain a goal towards which one must progress, it is

necessary first to put one's house in order, to ensure a clean and safe campus. Clarity of thought, cutting edge research and inspirational teaching is difficult to achieve unless working conditions are congenial. With this in mind, I have taken the following initiatives during my first two months at Presidency.

1. Installation of fire safety systems of the highest standards throughout the campus
2. Urgent repair work beginning with the Baker Building
3. Installation of lifts in the Baker Building and the Netaji Subhas Building so that disability access is not denied

Additionally, I have taken three other initiatives

1. Creation of a new website of international standards that will provide information as well as encourage interest. A university's website should be able to project the unique spirit of that university while also providing information. The aim is to move towards an interactive website and, as a first step, the new website will have the mechanism for on-line job applications.
2. The institution of a 'Vice Chancellor's Fund for Excellence' which will have the appropriate legal sanctions making it possible to accept donations from alumni as well as corporate and other sources so that a corpus could be created that Presidency University can draw upon.
3. Proposal for the setting up of a full-fledged four-tier IT unit at Presidency University to draw upon national IT resources already available, develop a core competence, and also provide support to all departments of Presidency University.

For both sets of initiatives I have received unstinted help and support from Presidency's dedicated faculty and also the officers and non-teaching staff. Presidency is fortunate in having an efficient and hard-working Registrar, now also performing the functions of Controller of Examinations, and a conscientious Finance Officer. I am also grateful to the members of the Presidency University Council who, at the Council meeting on 19th December, endorsed and encouraged every single initiative.

Finally, I truly feel the need for green spaces in a university. Universities in Bengal are a soul destroying concrete mass. For the mind to blossom, for research to flourish, one needs to breathe fresh air, allow the eye to wander across a lawn or a flower bed. Encouraging a green thought in a green shade, to borrow a conceit from the poet Andrew Marvell, is the hallmark of leading universities across the world and its value should not be ignored. Presidency is fortunate in having a large expanse of green at the very heart of the campus. As we step into the New Year, the courtyard behind the imposing staircase of the Main Building is being transformed into a landscaped garden with flowerbeds and a rockery. In the first few months of the new year, the gymnasium and students' canteen will be renovated and made to run efficiently, a faculty coffee shop will begin to function, and a small outlet will be set up for display and sale of Presidency memorabilia such as coffee mugs and t-shirts with the Presidency logo.

During the year, the academic departments of Presidency have organized a number of seminars and workshops. Faculty members continue to be engaged in research without losing sight of their commitment to teaching.

They are responsible for those students completing their courses under Calcutta University as well as first year Presidency University students who are working within the new semester system with a changed syllabus. Presidency students from most departments performed with great distinction in the Calcutta University Part I examinations, results for which were recently announced. Other student activities, including the very popular Derozio debate, were conducted with great enthusiasm.

Recently, the Public Information Infrastructure and Innovations unit of the Prime Minister's Office recognized the research work conducted by a project group comprising faculty members from the three Life Science Departments Physiology, Zoology and Botany in the focus areas of Ergonomics and Occupational Health, Bioremediation and Biomarkers, and Agro-ecosystem Management, for its significant contribution to human welfare, and granted it the status of Cluster Innovation Centre (CIC). It is an achievement for Presidency University to be identified as the first CIC in eastern India.

In the month of December two eagerly awaited annual events were held. The annual Udayan Mukherjee Memorial debate saw a display of intellect, wit and eloquence that kept a packed auditorium enthralled. The Annual Sports of the college, encouraged by the presence of eminent sports personalities, drew a small but enthusiastic group of participants and spectators.

Presidency University, one can say with confidence, is now poised to reclaim its position as a great centre of learning. My predecessors, Professor Sanjib Ghosh and Professor Amitava Chatterjee, Principals of Presidency College, and Professor Amita Chatterjee, first Vice Chancellor of Presidency University, worked hard to achieve the difficult transition from college to university. Presidency has an immense pool of goodwill and intellectual resources that are on offer from alumni in Kolkata, in the rest of India, and indeed around the world. With such riches on offer, there is no reason why Presidency University cannot command meaningful space on the international stage in the months and years ahead.

As I write this, we are eagerly waiting for the annual Professor Dipak Kumar Banerjee Memorial Lecture organized by the Department of Economics. The speaker this year, on 12th January, will be the Nobel Laureate and Columbia University Professor, Joseph Stiglitz. On 31st January, the President of the Royal Society of Chemistry, U.K., will install a plaque at Presidency University to "commemorate the life and achievements of Acharya P C Ray", the founder of modern chemistry and research in India. This will be the first RSC landmark outside Europe.

Such a beginning augurs well for Presidency and we all hope that 2012 will be a fulfilling year for Presidency University.

I take this opportunity to wish everyone a very happy New Year!

Molobika Sarkar
Vice Chancellor
Presidency University

Photo Gallery

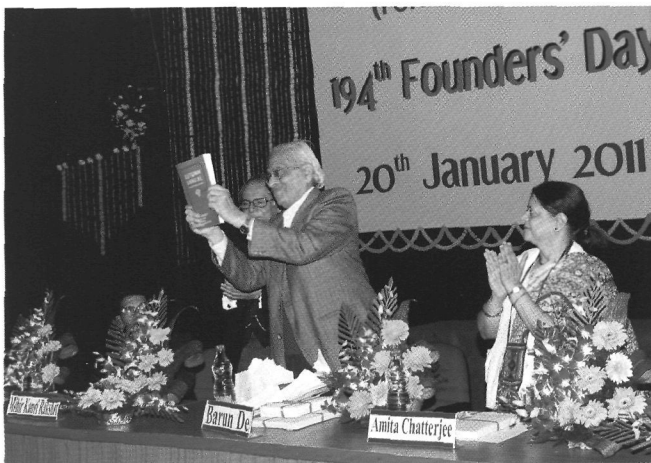
194th Founders' Day celebration



Professor Amita Chatterjee, the then Vice-Chancellor of Presidency University is inaugurating the 194th Founders' Day celebration.



Sri Anindya Mitra, President, Presidency College Alumni Association is garlanding the statue of Henry Louis Vivian Derozio.



Professor Barun De, President of the 194th Founders' Day celebration programme is releasing the 'Autumn Annual'.

194th Founders' Day celebration



Professor Mihir Kanti Rakshit, Chief Guest of the 194th Founders' Day celebration programme is addressing the audience.

The University Choir is performing on the occasion of 194th Founders' Day celebration.



Reunion at the University lawn on 20th January 2011.



The University Choir presenting the opening song in the orientation programme of the new batch of undergraduate students.

Professor Amita Chatterjee, the then Vice-Chancellor is addressing the Freshers in the orientation programme of the new batch of undergraduate students.



Professor Amita Chatterjee, the then Vice-Chancellor is flanked by the members of the Korean delegation during their visit to our University.



Dance performance by the members of the Korean delegation.

Udayan Mukherjee Memorial Debate



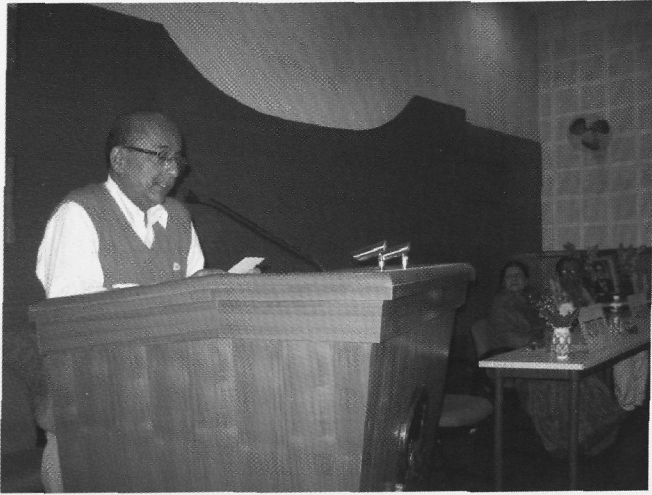
Professor Malabika Sarkar, Honourable Vice-Chancellor is inaugurating the Udayan Mukherjee Memorial Debate in the presence of honourable judges for the Debate.



The team of the present students won the debate. Smt. Tanya Bharadwaj (third from left) was adjudged the best speaker.



Members of the 'Past' team spoke against the motion.



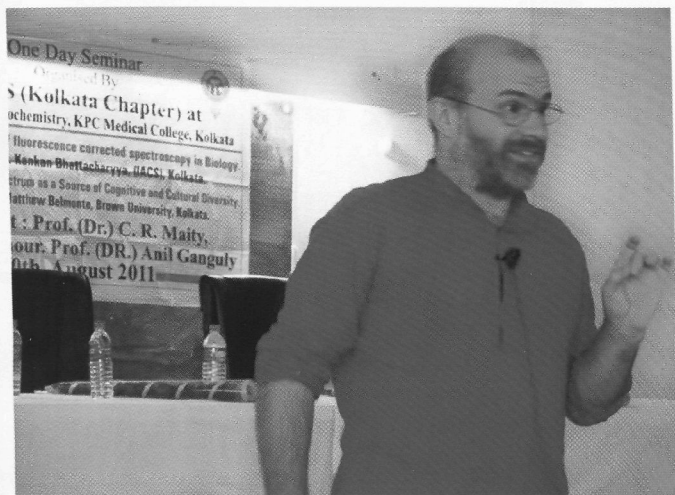
Professor Tapobrata Ghosh is delivering the first lecture of Rabindra Baktrita-mala 2011, organised by the Bengali Department.



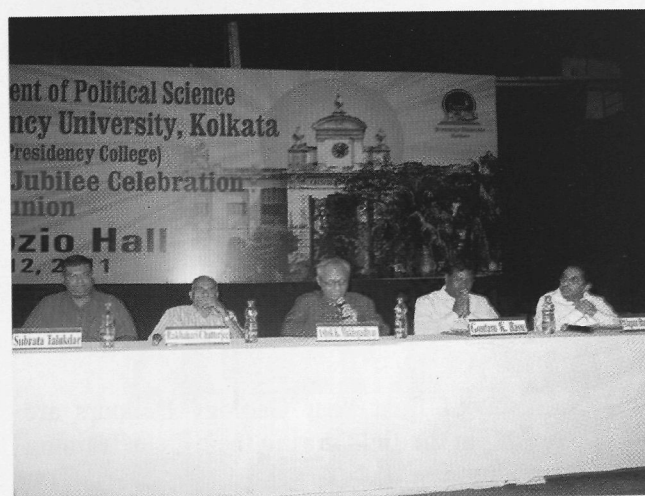
Professor Pabitra Srakar is speaking in a seminar in Bengali Department, December 15, 2011.



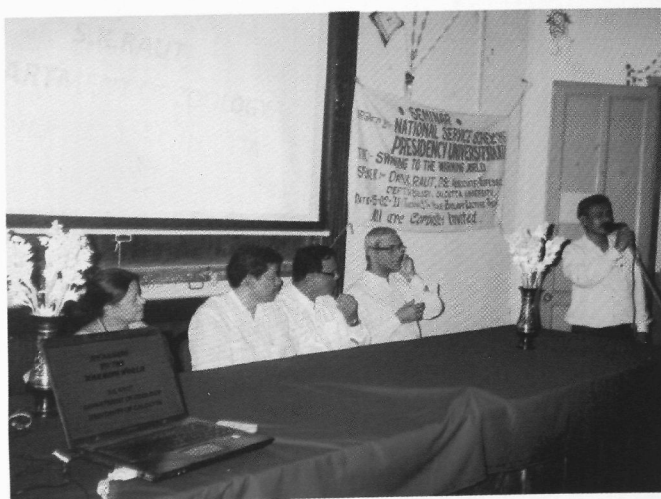
A Seminar with a Vietnamese delegation organized by the Gandhi Centre.



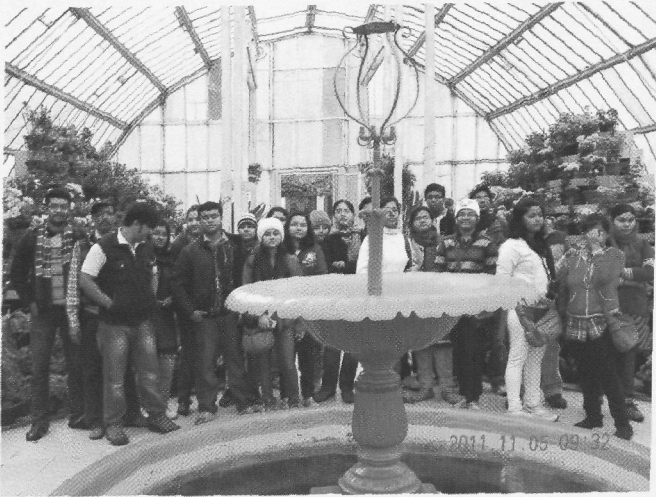
Prof. Matthew Belmonte, Fulbright-Nehru fellow from Brown University is addressing a seminar jointly organized by IABMS, Kolkata Chapter, the Department of Physiology and KPC Medical College.



Panel discussion on 'Indian Politics: Crossroads Ahead' organised by the Political Science Department.



Seminar organised by the N.S.S. unit of the University.



Students of Second Year Botany Honours visiting the Botanical Garden, Darjeeling during an educational tour.

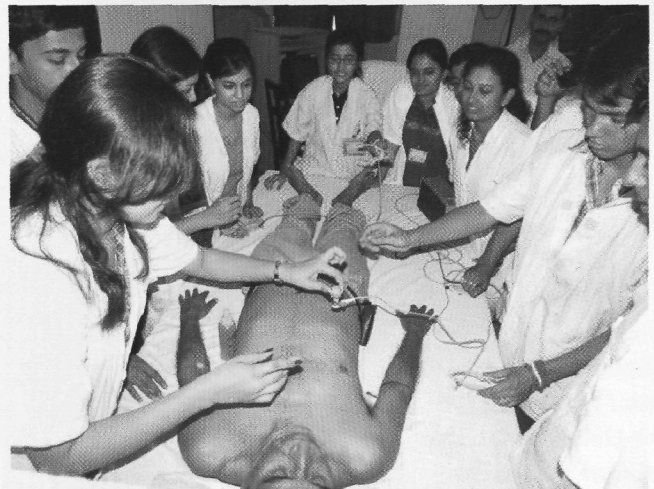
Students of First Year Geology Honours are working in the field during their Field Training Programme.



Students and teachers of Zoology Department during their educational tour.



Students of Physiology Department carrying out ergonomic studies on female farmers as a part of NSS programme.



Students of Physiology Department working on correlation between sixteen channel clinical ECG with functional PFT in DBT Star College Programme.



Students of Political Science Department performing during the golden jubilee celebration of the Department.



Major Events of the University

194th Founders' Day Celebration: On 20th January 2011, The University (formerly Presidency College) celebrated its 194th Founders' Day with due pride and solemnity. The celebration commenced with the garlanding of the Foundation plaque in the Arts library hall and the ceremonial lighting of the lamp in memory of the founders. This was followed by the Founders' Day meeting in the Derozio Hall. Prof. Barun Dey, noted historian and alumnus presided over the function. Prof. Mihir Kanti Rakshit, eminent economist and alumnus graced the occasion as Chief Guest. The first Vice Chancellor of the University, Prof. Amita Chatterjee extended a warm welcome to assembled guests. The University Choir presented the opening song, selected portions of Prasangiki were read out by Prof. Nandalal Chakrabarti and Prof. Manu Auddy. It was followed by the Annual Prize Distribution ceremony where prizes, medals and certificates were given to deserving students for academic excellence and co-curricular activities. The programme was conducted by Dr. Debasish Sen and Dr. Anik Chatterjee. A cultural programme, which forms an integral part of the celebration, was organised by the University choir, in the form of a collage of music and dance. This was followed by the annual reunion on the University lawns organized by the Alumni Association.

As part of the 'Founders' Day' celebration, a festival cricket match between the past and present, was held in collaboration with the Alumni Association on 15th January, 2011.

Republic Day Celebration : Republic Day, 2011 was observed on 26th January 2011. The national flag was hoisted by the Vice - Chancellor and the Choir presented patriotic songs.

P.G. and U.G. Syllabus : Workshops were conducted by different departments to frame the new U.G. and P.G. syllabi in consultation with experts. The projects were successful.

Formal inauguration of the first semester of Undergraduate courses : On 11th July 2011, the First Semester of the first year undergraduate classes of Presidency University for the academic session of 2011-12 was formally inaugurated in the Derozio Hall. The Vice Chancellor, Prof. Amita Chatterjee addressed the freshers and introduced all the Heads of the Departments who were present on the dais. The college Choir presented the opening and closing songs of the event. Dr. Debasish Sen co-ordinated the entire event. At the end of the programme, students were escorted to their respective departments by the Heads and were introduced to the rest of the faculty. The efforts of the Admission Committee and the co-operation of the various sections of the University office need to be commended for the timely and smooth completion of the admission procedure.

Celebration of 150th birth anniversary of Rabindranath Tagore : The University celebrated with deep respect the 150th birth anniversary of Poet Rabindranath Tagore. On 8th May planting of trees marked the commencement of the celebrations, followed by the dance drama 'Chitrangada,' and a medley of dance, music and poems by the teachers on 9th and 10th May 2011, respectively. The Department, of Bengali, along with the N.S.S. unit of Presidency University organized a series of lectures on Tagore's Literature and personal Philosophy, named 'Rabindra Smarak Baktritamala.'

Independence Day Celebration : The 64th Independence Day was celebrated on 15th August 2011 with customary dignity. The Vice Chancellor hoisted the tricolour in the presence of teachers, students and office staff. The college choir rendered patriotic songs.

Inauguration of the 1st Semester of Post Graduate courses :

On 1st September 2011, the 1st batch of the Postgraduate students of the University were welcomed by the Vice-

Chancellor along with the Heads of different departments and the faculty.

Youth Exchange Programme : On 28th July, 2011 young delegates from Korea visited the University. The young members of the Korean team were given a warm reception by students, teachers and non-teaching staff of the University. The Korean team presented cultural programmes on stage in the Derozio Hall and were applauded by all viewers. They were felicitated with gifts from the University.

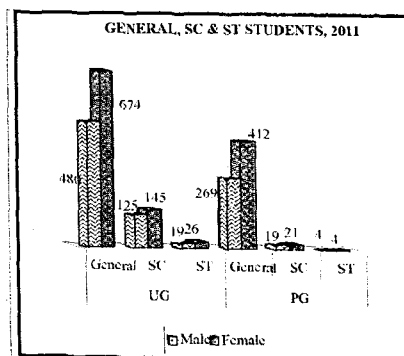
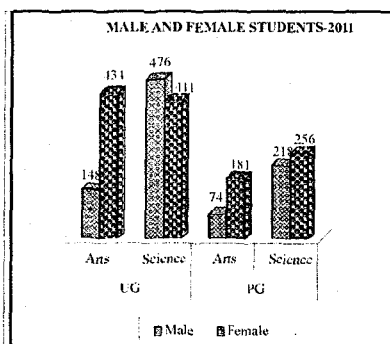
Derozio Memorial Debate : The Derozio Memorial National Debate was held on November 19 and November 20, 2011. In the preliminary round there were twenty teams from all over India. Five of them were selected for the final round. Among these five, two belonged to Presidency University, Kolkata, one to Jadavpur University, Kolkata, one to Christ University, Bangalore and one to XLRI, Jamshedpur. In the final round there was a panel of very outstanding personalities as judges. They were: Rajat Kanta Roy, Prasanta Ray, Suman Chattopadhyay Hiranmoy Karlekar, Utpal Chatterjee, Alapan Bandopadhyay and Boria Majumder. The judges declared Presidency University team of Ms. Taniya Bhardwaj and Ms. Sreetama Bose as the best team in this National Debate. The best speaker for the motion was Ms. Taniya Bhardwaj and against the motion Mr. Tanmoy Bhattacharyya of Christ University, Bangalore. Both received sleek Samsung mobile sets as presents.

Udayan Mukherjee Memorial Debate : The Annual Udayan Mukherjee Memorial Debate between the past and the present students of Presidency took place on December 17, 2011 at the Bankim Sabhagriha. The Hon'ble Vice Chancellor, Presidency University, Prof. Malabika Sarkar, welcomed participants and guests on the occasion. The motion for the debate this year was: In the opinion of the House, "For the poor in India, the country's economic development is a joke". The present students spoke in favour of the motion, while the past students argued against the motion. The Present Team comprised Ujan Ghosh (History), Tania Bhardwaj (Political Science), Sritama Bose (English) and Siddhant Agarwal (Economics). Members of the Past Team were Sri Rudrangshu Mukherjee, Sri Subrata Talukdar, Sm. Sakshi Arora, and Sm. Puja Kankrania. The Judges for the event were Sm. Krishna Bose, Sri Samik Bandyopadhyay, Sri Prasanta Ray and Sri Subhas Chakraborty. The Moderator for the Debate was Sri Jayanta Mitra. The Present team won the debate. Tania Bhardwaj was adjudged the best debater. Sri Anik Chatterjee anchored the whole event, while Sri Amitava Chatterjee presented the Vote of Thanks. The Registrar, P.U., Prof. Pradip Kumar Sengupta was present during the event. Sri Partha Sarathi Sengupta, creator of the Endowment for the Udayan Mukherjee Memorial Debate was also present on the occasion.

Presidency University Games 2011 : On 20th and 21st December, the Presidency University Games 2011 took place. Prof. Malabika Sarkar, Vice Chancellor, Presidency University presided over the sessions and Mr. Samar (Badru) Banerjee, Olympian footballer, graced the occasion as Chief Guest.

Student Strength of the University

The total student strength of the University is 2,198. The number of female and male students are 1282 and 916 respectively. The detailed break up according to stream and social identity is provided in the following figures.

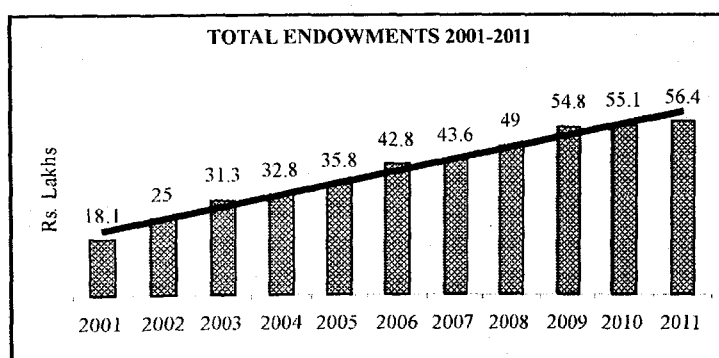


Prizes and Scholarship Awarded to the Students

Name of the Scholarship	Total Amount in Rs.	Number of Students
Medals	12,600.00	18
Cash Prizes	40,475.00	31
Book Prizes	22,351.00	44
National Scholarship	75,000.00	10
T.S. Sterling Scholarship	2,580.00	12
T.S. Sterling One Time Grant	16,816.00	16
Hindi Scholarship	12,000.00	6
Graduate Scholarship	32,000.00	20
Hostel Stipend	2,518.00	11
Poor Student Fund	1,55,000.00	58

Trust Fund and Endowments

The University presently has 133 endowments amounting to a total of Rs. 56,36,850. This fund which has been raised by generous donations from former teachers, alumni and well wishers is used in awarding prizes, scholarships and in organizing college programmes as well as seminars. These endowments are important not only because of their monetary value but also for the reason that these are associated with the cherished memory of the loved ones. Endowment that has been received in the past year includes a donation of Rupees One lakh by Smt. Purnima Bhattacharyya in memory of her husband Late Ramgopal Bhattacharyya for awarding cash prize to an undergraduate student of chemistry/Biochemistry on merit cum means basis. A sum of rupees Thirty thousand has been donated by Sri Nirmalansu Chakraborty and Smt. Runa Chakraborty in memory of their daughter Late Kankana Chakraborty to create an endowment in Statistics for awarding prize to the student obtaining highest marks in B.Sc. A sum of Rs. 5000/- (five thousand only) has been donated by former students of English Department (1961-67 batch) to award a prize to a student of English Department with best human values in memory of their friend Dipak Kanti Chakraborty for this year only. A complete list of all endowments is given in appendix 4.

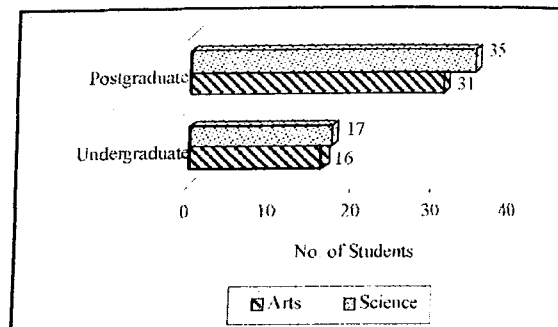


An Appeal

With the continued falling interest rates on fixed deposits and all appeals from the University for income tax exemption falling on deaf ears, many of the endowment for scholarship, prizes and medals are almost on the verge of extinction. Moreover, a sizeable number of students are coming from extremely poor families who are in need of special financial assistance. With the existing funds it will not be possible to do justice to their requirements. Thus, the endowments need to be enhanced. The University sincerely hopes that the well wishers will respond positively to this appeal.

Free Studentship

Stream	Undergraduate	Postgraduate
Arts	16	31
Science	17	35
Total	33	66



The Administrative Office

The administrative office of the University consists of four sections : General Section, Cash Section, Students' Section, Accounts Section including PA & Type Section and Caretakers' Section.

General Section : This section provides the pivot of the administrative functions of the University, involving daily routine correspondence with outside agencies and headquarters, issue and despatch and keeping track of the personal files of all teaching and non-teaching staff of the University.

Students' Section : This section keeps in touch with students (past & present) and teachers in matters of academic and other administrative issues relating to student affairs. It also keeps contact with the Calcutta University, our affiliating university.

Accounts Section : This section, under the leadership of Accounts Officer, has the great responsibility of maintaining the records of grants allotted to the University by both the State Government and the Union Government (through UGC and other important agencies). This section takes utmost care in discharging the duties to deal with all the pre-retirement and post-retirement benefits, pay salaries and make other payments to outside agencies. This section is answerable to the Govt. Audit & Accounts departments. Besides, this section also allocates various scholarship funds to the deserving meritorious students. All salary bills are prepared through software 'COSA' e.

Cash Section : This section is entrusted with a vital role for disbursing all payments, and receiving tuition fees, etc. from students.

PA Section : This section is run by one man solely responsible for keeping all confidential matters of the office of the Vice Chancellor, compilation and maintenance of Annual Confidential Reports and Special Confidential Reports in respect of all teachers. PA helps the Vice Chancellor in preparing correspondences. Heads of Departments take assistance from him in emergencies. Preparing draft minutes and proceedings of meetings is an important part of his daily routine. All works related to confirmation of service and promotion to higher posts of the teachers' are done by him. He keeps records of attendance, leave and send reports in this regard to the DPI. Works related to W.B. Health Scheme are also done by him. A large number of enrolled employees (beneficiaries & families) have been immensely benefited from the Health Scheme.

Type Section : This section performs all typing jobs.

Caretakers' Section : This section has, at present, no regular caretaker. But the works of the caretaker is done with utmost care by an employee of the University. The enormous historical building of the University, Eden Hindu Hostel and other buildings, large campus and girls' hostel are under his care. The caretaker keeps contact with the PWD in matters of repair and maintenance. Keeping the whole premises neat and clean and a constant vigil are undertaken by him.

A very close co-ordination and a fine work-culture are the main keys the success of the administrative functions of the University, though lack of sufficient number of non-teaching employee is a hindrance. Of late, the State Government, is generous to come to rescue in matter of shortage of personnel. Computerization is also the landmark of recent development.

Placement Cell

The placement scenario was not good this year for most departments. However, the Applied Economics students of the PG second year class have had very good placements with the following details.

Name of firm	No. of students placed in analytics jobs	Date of Placement session
Mu Sigma	3	231.10.2011
HSBC	3 (Waitlisted - 2)	14.10.2011
Redwood Associates	1	10.02.2011
Genpact	4	12.12.2011
Reemerging Solutions	1	09.11.2011

Google (India) Ltd. conducted their campus in November, 2011 and shortlisted a UG students for selection as Ad-word representatives. Final selection will be held in February 2012.

Two students of Geology Department got appointment in ACC Ltd. in 12th November 2011.

IQAC Cell : In view on the fact that Presidency University has been elevated to the status of a Unitary State University in July 2010, the IQAC cell is being re-vamped. Report will be available once their reorganization process is completed.

Various students' from the University like Public Speaking Society, Quizzing Society, ICON, Apostrophe, Chalachitra Samsad, ISPAT, Ardhek Akash etc. organized different programme viz. freshers' welcome, quiz contest, debate, blood donation camp, musical presentations, cultural items, film shows etc. throughout the year.

NSS Unit of Presidency University

The NSS (National Service Scheme) UNIT I and Unit II are functioning under the Supervision of NSS Co-ordinator Dr. Rabindrantath Mandal, Associate professor, Department of Zoology and NSS Programme Officer Dr. Tapas Kumar Misra, Associate Professor, Department of Zoology. This newly established University got its affiliation for NSS from July, 2011 with Unit I for Boys and Unit II for Girls consisting of volunteers for each segment. The volunteers include both undergraduate and postgraduate students. Our NSS Units are, as usual, undertaking multifarious social activities as awareness programme not only among our students, but also among the people in the ghetto areas.

An extensive Campus Beautification and Sapling Plantation Programme within the available spaces of the University were carried out by the volunteers; certain amount of money was donated to 'HELP AGE' to enable them to provide basic amenities to old and destitute widows. Seminars were organized either by the NSS Units or jointly with the Zoology and Bengali Departments of Presidency University on Several issues. Eminent Scientists namely, Dr. S. K. Raut, Department of Zoology, University of Calcutta, Dr. Tapan Kr. Mukherjee of Kolkata Municipal Corporation Mosquito Control Unit, Dr. Bhaskar Gupta, Department of Biotechnology, Dr. Nirmal Kumar Sarkar and Sri Souryadeep Mukherjee of Department of Zoology, Presidency University; Dr. Shyamal Kumar Chakraborty, Department of Chemistry, University of Calcutta delivered lectures in the organized semi-

nars.

NSS Day was celebrated by planting two saplings by the Honourable Ex-Vice-Chancellor Prof. Amita Chatterjee and Dr. Pradip Kumar Sengupta, Registrar, Presidency University.

Special Camp Programme was organized for seven days in of Beliaghata to render social service in the slum areas. This Programme was an awareness Programme for the people of slums, specially for women, to develop awareness on AIDS, ii) preventive measures against communicable diseases, iii) evil effects of early marriage of girl child, iv) effects of drug abuse, v) injurious effects of smoking, vii) maintenance of social and personal hygiene and viii) awareness on mosquito borne diseases. Simultaneous Health Check up Camp was also organized in two Primary Schools of the slum areas mentioned earlier. Our best gratification is that the mothers came forward to know about the health of their Children in both the Schools. Our volunteers conducted and carried out all the medical tests required and used our own instruments.

Furthermore, our volunteers also participated in the programmes organized and conducted jointly by the NSS Units of University of Calcutta, Kolkata Police and Government of West Bengal.

Presidency Choir

Presidency Choir is the common cultural platform of the students and teachers of Presidency University. It has been growing to new heights of achievements ever since its inception with the constant encouragement of the authorities and the guidance of the faculty.

On 20 January 2011 the Choir presented the opening and closing songs of the Founders' Day programme. A collage of music and dance 'Esecho Prem' was staged by nearly 50 students. The script was written by Monalisa Chatterjee, Jiniya Roy, Saptarshi Roy and Somjit Chattopadhyay, the former students of Presidency College. Shri Somjit Chattopadhyay of the English Department was the music director and Smt, Monalisa Chatterjee of the Department of Political Science directed the dance performance. Soma Basu, convener of the Choir, was in charge of overall direction and coordination. Each Department was involved in the programme and it would not have been possible without the cooperation and support of Prof. Debashis Sen (Bursar). Smt. Sukla Kundu Khan and Smt. Chameli Das of the Science Library rendered invaluable assistance. A total of 29 successful student-participants (out- going U.G and P.G students) received certificates.

On the occasion of the Freshers' welcome, the Choir presented Rabindra Sangeet. Four songs were presented by the Choir in the programme arranged in connection with Indo cultural Exchange at Derozio Hall on 28 July, 2011. The Choir organised a series of cultural programmes from 8th to 10th July 2011 observing the death anniversary of Rabindranath Thakur. On the 8th there was a programme of planting of saplings with a medley of song, dance and recitation by the students and teachers of the University. On the 9th, again, there were songs, dances, recitations and a dance drama 'Chitraganda'. Smt. Pritha Das and Smt. Monalisa Banerjee were the dance directors. On the 10th a collage of songs and recitation was presented by the students of First Year (UG) and another by the teachers. Sandipan Mitra of First Year (Sociology) initiated the process of making arrangements for the students' programme of the day.

Choir's presentation of song, dance and staging of drama has become indispensable in respect of any cultural programme on any occasion. Be it the celebrations on 15 August or the functions arranged for welcoming the First Year PG Students, Choir's fusion of song and dance invariably creates the desired atmosphere for a grand beginning. Five students participated in a dance competition on 14 September 2011 organised by the American Centre and received certificates. On 18 and 20 November a National Seminar sponsored by the State Bank of India was organised by the Sociology Department of Presidency University. The Choir presented song and dance on the last day of the programme at Asutosh Centenary Hall of the Indian Museum.

In the last few years there has been significant increase in the number of members of the Choir and regular rehearsals are needed to be arranged throughout the year. Unfortunately till date the Choir does not have any rehearsal room of its own. This year Choir has received a cupboard from the Science Library to keep the musical instruments.

From 2005 Presidency College has been distributing certificates to the successful performers of the Choir's

programme. The following are the recipients of the certificates of this year.

Sl. No.	Undergraduate: Name:	Department:	Sl. No.	Postgraduate Name:	Department
1.	Sabarna Chatterjee	Bengali	1.	Amrita Chakraborty	Bengali
2.	Tania Chakraborty	Bengali	2.	Sanhita Sanyal	Bengali
3.	Debanjan Mukherjee	Botany	3.	Anisha Polley	Mol.Bio.&Genetics
4.	Pritha Kundu	Botany	4.	Debangana Kundu	- do -
5.	Kasturi Chakraborty	Geography	5.	Sayani Bose	- do -
6.	Paromita Maity	Philosophy	6.	Varsha Dasgupta	- do -
7.	Anushuya Ghosh	Political Science	7.	Ankita Bhattacharya	- do -
8.	June Banerjee	Sociology			
9.	Payel Sarkar	Sociology			

OFFICE OF THE CONTROLLER OF EXAMINATIONS

Controller of Examinations	:	Dr. Pradip Kumar Sengupta, Registrar (Additional Charge since 28.11.2011)
Deputy Controller of Examinations	:	Anjan Saha
Non-Teaching Staff	:	Khwaja Moinul Haque

ACTIVITIES OF THE OFFICE OF THE CONTROLLER OF EXAMINATIONS DURING 2011

- I. Distributed post graduate degree certificates.
- II. Issued Mark sheets on the date of publication of Results of M.Sc. & M.A. Part I & II Examinations, 2011 (M.Sc. PT. I 253, PT II 248 // M.A. PT I 75, PT II 79).
- III. Issued "Certificate of Merit", "Provisional Certificate", "Verification Certificate" & "Academic Transcript" on the date of application.
- IV. Conducted Semester based Examinations, 2011 of of the 1st batch of students of Undergraduate Arts & Science Courses under Presidency University as per Academic Calendar.
- V. 1st Semester Examinations, 2011 of the 1st batch of students of undergraduate Arts and science courses under Presidency University has been completed on 13th December, 2011 and result is expected to be published on 2nd January, 2012.

Government Eden Hindu Hostel

The Government Eden Hindu Hostel is now 126 years old. In 1886 it started as an undergraduate Boy's hostel of Presidency College, Kolkata. In order to accommodate Post Graduate students and research scholars of Presidency College, the heritage building was extended in 1988. This hostel is one of the largest hostels of this country. Many renowned personalities like Dr. Rajendra Prasad, the first President of India, were the boarders of this hostel. At present the hostel is divided into Six wards. The hostel comprises 276 boarders that include 191 Under Graduate students (51 from other three Government Colleges) and 69 Post Graduate students. The students come from all religions and castes and share a common platform without any discrimination.

The performance of the students both in academic and extra curricular fields was reasonably satisfactory. Students of this hostel participate actively in games and sports like Football Cricket, Volleyball, Table Tennis etc. Tournaments are held seasonally and the Annual Athletic meet was also started from 2005. Besides sports, the

boarders organize different cultural activities during Saraswati Puja, Reunion, Fresher's welcome, Farewell Ceremony. The hostel has two libraries, one for text books and other for fiction and valuable journals. The hostel mess system is running satisfactorily.

The authority tries its best to fulfill the expectations of the students and to maintain an ideal environment.

175th Anniversary of Presidency University Girls' Hostel

Presidency University Girls' Hostel is now thirteen years old. It provides accommodation to the girl students coming from distant places. The authority tries its best to maintain its environment ideal, secure and safe.

The hostel comprises 84 boarders that include 72 students of undergraduate and of postgraduate classes. There are five boarders from other colleges.

The boarders organized different cultural activities throughout the year. The Saraswati Puja and the Freshers' welcome were very much enjoyable events for them. There is a well equipped library. The authorities try to promote recreation activities like arrangement of different games, provision for watching television etc. Vertical extension of the existing hostel building has already been started. It will provide more accommodation in near future.

There are five government four non-government staff members and two casual workers engaged in routine daily duties and the Superintendent oversees the maintenance and the facilities available. We aspire for filling up and creation of different posts so that the authority would be able to extend more essential services to our boarders.

Staff Members:

- | | |
|--------------------------------------|-------------------------|
| 1. Srimati Mukherjee, Superintendent | 7. Rita Goswami |
| 2. Sikha Das Gupta, Matron | 8. Rekha Ghosh |
| 3. Hari Bandhu Hira, Driver | 9. Chhaya Kanjilal |
| 4. Ashok Barua, Cleaner | 10. Depali Banerjee |
| 5. Sujit Das, Darwan | 11. Sadananda Guchhayat |
| 6. Naresh Mondal, Night watch Man | 12. Bikram Shaw. |

Presidency Karmi Sanskritik Sangstha

Employees of our college have been actively participating in different cultural activities every year. This 'sangstha' is a broad platform of all staff members of this institution. Due to some unavoidable circumstances no function could be arranged in the last year. However, there is a plan to stage a drama in the month of March/April, 2012.

A 'Co-operative Health Fund' has been set up to make funds available without charging any interest, to serve the families of the staff members. who are not in position to meet the staggering expenses incurred in difficult cases of ailment. Any kind of donation to this fund will be gratefully appreciated.

The Presidency College Cooperative Society

The main objective of cooperative societies is to look after the interest of its members and societies as a whole. The Society has completed 89 years of dedicated service to its members. At present the total number of operating members is 160 and number of shareholders is 343. The maximum limit of loan to be sanctioned to the individual member has been increased to Rs. 64000/- as long term loan. The maximum limit of the loan that can be sanctioned on emergency (within 24 hours) is Rs. 24000. As a token of appreciation of their success in Madhyamik and H.S. examinations, the children of the members were given prizes with a view to encourage them for higher studies. The prizes were awarded at the Annual General Meeting of the Society held on 26 March, 2011. The Meeting was chaired by Satadip Sarkar, Chairman of the Society. Prof. Timir Baran Jha, O.S.D., addressed the members. Accounts Officer, our special guest, spoke on the merits and demerits of the cooperative society. Sri

Biren Bandyopadhyay expressed his gratitude to all members of the Society. Our Treasurer, Sri Samar Nath Sur, presented the audited accounts for the financial year 2009-10. Gifts were presented to all the members of the Cooperative Society on that day. The following members were elected to the Board of Directors: (1) Satadip Sarkar, Chairman (2) Tarun Kanti Roy, Secretary (3) Bishu Adhikary, Treasurer (4) Biren Bandyopadhyay, Member (5) Samar Nath Sur, Member (6) Kartick Ch. Sarkar, Member (7) Mrinal Kanti Das, Member (8) Babulal Das, Member (9) Nirmal Singh, Member (10) Rintu Dey, Member, and (11) Haribandhu Hira, Member. Tarak Nath Prasad, Kartick ch. Sarkar, Ram Nath Prasad and Sankar Hela-II were elected as Assisting Staff of the Society.

Presidency College Alumni Association

The calendar year 2011 has been eventful for the Association. We could organize more academic programmes this year. The Sisir Mazumdar Endowment Lecture was held on 6th January, 2011 at the Physiology Department. Dr. Chandan Sen, Professor of Surgery, Ohio State University, USA, delivered the lecture on Vitamin E in Stroke Therapeutics. On 18th January, 2011 Dr. Nirupam Chandra Roy Centenary Memorial Lecture was held in collaboration with the Bengali Department. Shri Tapabrata Ghosh, Rabindra Adhyapak, Visva Bharati delivered a lecture on 'Gitabitaner Golpogochhu—phire dekha' at the A.J.C. Bose Auditorium, Presidency University. Professor Amita Chatterjee, the then Vice-Chancellor of Presidency University, presided over the function. Smt. Madhusree Ghosh, alumna, created this endowment through the Alumni Association in memory of her father Dr. Nirupam Chandra Roy. She also donated several books to the Bengali Department. The English Department, jointly with the History Department and the Alumni Association, organized a lecture on The State of Human Rights in India by Shri Satyabrata Pal on 11 March, 2011 at A.J.C. Bose Auditorium. Professor Krishna Bose introduced the speaker and Professor Amita Chatterjee, the then Vice-Chancellor of Presidency University presided over the function.

The Annual Cricket Match between the past and present students was held at the College ground on 15th January, 2011. This was the first time the Alumni Association introduced trophies for the winner and the runner-up teams. Senior alumni members Shri Anindya Mitra and Shri Asim Ganguly participated in the match. The present students won the match and received Trophy from the President of the Alumni Association Shri Anindya Mitra. Shri Mitra also invited the participants to the evening tea organized at the college lawn.

The Founders' Day of the college and Reunion for the year 2011 were celebrated on 20th January 2011, at the Derozio Hall and the college lawn, respectively. Shri Barun De Presided over the Founders' Day celebration programme and Professor Mihir Kanti Rakshit the Chief Guest. The Alumni Association organized a Reunion Tea on the college lawn with sumptuous food from Bijoli Grill. The tea for the party was sponsored by the Tea Board of India.

On 30th January 2011, a steamer party was organized on the Hooghly River on a specially chartered 'Mayurpankhi Nao'. The alumni, their family members and friends thoroughly enjoyed the trip. The boat left Babughat at 10:00 a.m. and returned at 5 p.m.

The Alumni Association, founded in the year 1951, reached its diamond jubilee year in 2011. The association decided to celebrate it through a panel discussion on the future of Presidency University. On 11th June, 2011, at the Centenary Hall of the Calcutta University, the panel discussion was held where the speakers were Shri Amal Mukhopadhyay, Shri S P Mukherjee, Shri Bikash Chandra Sinha, Shri Sujit Basu, Shri Prasanta Ray, Shri Sukanta Chaudhuri, Shri Sibaji Raha, Shri Kankan Bhattacharya, Shri Abhirup Sarkar and Shri Sugata Marjit. The moderator was Shri Anindya Mitra. Professor Amita Chatterjee, the then Vice-Chancellor of the Presidency University, delivered the key note address on her experience in the making of Presidency University. Shri Bivas Chaudhuri delivered the welcome address. Shri Sankha Ghosh was present in the audience along with many academics and former Principals of the college. Smt. Sreyashi Ghosh anchored the programme. The panelists discussed various parameters and put forward suggestions for transforming the present university into a centre of excellence. The programme was given much importance by the Press and it was partially live telecast by the media channel Star Ananda. Outstanding rendition of Rabindra sangeet by Smt. Rajashree Bhattacharya and Shri Sugata Mazumder in

the opening and closing ceremony enthralled the audience. It was decided in the discussion that a vision document for the university would be prepared based on the suggestions of the panel for submission before the appropriate authorities.

The annual cultural programme was held on 2nd July, 2011 at Sisir Mancha where the play 'Chalochitto chanchori' was staged under the direction of Shri Arun Mukhopadhyay. After almost two decades this play brought together two veteran thespian alumni Shri Arun Mukhopadhyay and Shri Bibhas Chakraborty. The other participants were Shri Bitan Bindu Bandhyopadhyay, Shri Subir Bhattacharyya, Shri Subir Mukhopadhyay, Shri Milan Bhowmik, Shri Somok Roy, Shri Arnab Khasnobis, Shri Mainak Sengupta, Shri Rajat Kanti Roy, Shri Subharthi Pal, and Shri Krishnendu Sinha. The music for the play was arranged by Shri Somjit Chatterjee. The play was preceded by a dance drama entitled mandakranta, based on Kalidasa's Meghdoot. The participants were Sm Swarnali Barua, Sm Ananya Goswami, Sm Balaka Chatterjee, Sm Sagnika Chaudhuri, Sm Ankita Das, Sm Subhangi Sen, Sm Ankita Saha, Sm Rupsa Bramhachari, Sm Pritha Das, Sm Anindita Sarkar, Sm Ritoja Sinha, Sm Jayanti Sarkar. The dance programme was conducted under music direction of Shri Somjit Chatterjee, choreography and stage direction of Sm Monalisa Banerjee and overall direction of Sm Soma Basu. The cultural programme was coordinated by Sm. Urmi Chatterji with the support of Sm Swapna Kar and Sm Aparajita Roy.

The annual general meeting of the Association was held on 9th July, 2011. The amended constitution of the Association was passed. Shri Sugata Bose, Chairman, Presidency University Mentor Group, exchanged views with the members on various issues of the university.

With a view to assisting the university financially for creating academic chairs and offering infrastructural help, a registered Presidency Alumni Trust Fund was created on 9th September, 2011. As suggested by the Presidency University Mentor Group, Association is also working on establishing chapters at UK and USA for generating fund and attracting talents to the University. From the year 2012, the Association will provide two scholarships in the name of Presidency Alumni Scholarship to the students ranking first in the university in arts and science group at undergraduate level.

Bijoya Sammilani was organized on 29th October, 2011 at Derozio Hall. Gazal by Shri Somjit Chatterjee and baul song by Shri Santanu Mitra and his team enthralled the audience. Adda with high tea was the main attraction for the alumni.

The trip to Santiniketan during 2nd and 3rd December, 2011 was very interesting. The excellent hospitality extended by Shri Anindya Mitra, Shri Jayanta Mitra and Smt. Rupa Bandopadhyay individually at their respective houses in Santiniketan to all alumni and their family members need a special mention. Kaleidoscopic cultural programme like santhali dance, baul song and Rabindrasangeet by the alumni were the added attractions. Shri Susanta Duttagupta, Vice-Chancellor, Visva Bharati, who is also a former teacher of Presidency College, shared his thoughts with the audience.

Two more programmes will be organised in the month of December. Udyan Mukherjee Memorial debate between past and present students was organised in 17th December at Bankim Sabhagriha. The present students won the debate. A classical evening, sponsored by the Khadder Group, with Partha Bose on Sitar with Shri Swapan Chaudhuri on Tabla was organised on 22nd December, at GD Birla Sabhagriha.

Department of Bengali

News from the Department

Following the tradition of the previous years, this year also the Department of Bengali succeeded in maintaining its standard of excellence. Both the teachers and the students have been offering their best to enrich the academic and cultural ambience of the Department as well as the Institution. The Department with its full strength is now gearing up to take up the new challenge of semester system as well as the new syllabi of Presidency University.

Performance of the students

The students performed brilliantly both in their last B.A. (1+1+1 system) and M.A. Examinations (autonomous course under Presidency College). This year the first batch of M.A. students appeared in their Final Part-II Examination and 16 students out of 20 secured First Class. Arunabho Chakraborty topped the merit list securing 68% marks.

In B.A. Part III Examination (under the University of Calcutta) 8 students out of 30 obtained First Class. In B.A. Part II Examination (under the University of Calcutta) the performance of the students is quite satisfactory. Fifteen students out of thirty have secured First Class in the Examination. Eighteen students out of twenty-eight of the Department got First Class in B.A. Part I Examination 2011 (Bengali Honours) under the University of Calcutta.

We feel very glad to note that eleven of our ex-students have been selected for U.G.C. Junior Research Fellowship this year.

Cultural Programmes

A good number of cultural programmes were organized by the students in the Department throughout the year such as Freshers' Welcome, Teachers' Day Celebration, Baise Sravan, etc.

Seminars organized by the Department

A Memorial Lecture Series on Rabindranath Thakur is being organized since last year by the Bengali Department in collaboration with the N.S.S. Unit of this University. Two lectures in this series were delivered by eminent professors.

This year the Department organized three lectures :

Professor Topobrata Ghosh : 'Gitabitaner galpo-guecha : feere dekha' on 18th January 2011 (Jointly with Presidency College Alumni Association)

Professor Shyamal Chakraborty : 'Rabindranather Vijnan Bhabna' on 14th March 2011

Professor Pabitra Sarkar : 'Bangla Bananer Samata Bidhan' on 15th December 2011

Publications

Book:

Bhattacharyya, Dipankar (2011) Dinamayee, Sharadasundari : Kichu Buje Jaoa Swar. Bangiya Sahitya Samsad, Kolkata; Book Fair 2011. ISBN 978-81-89827-62-5.

De, Swapan. K (2011) Aitihāsik Galpa-Sankalan. Juthika Prakasani, Kolkata.

Rakshit, Moloy (2011) Rabindranath : Bikolpo Theatarer Sandhan, Parampara Prakashan. 264 pp.

Rakshit, Moloy (2011) (Editor). Muktohdhara : Ekti Purnanga Alochona-Grantha; Kalyani Publication, 320 pp.

Research Articles:

Bhattacharyya, Debapriya (2011) Poribeshbaadi Samalochanar Aloke, In Muktohdhara Ekti Purnanga Alochona-Grantha: Ed. Moloy Rakshit; Kalyani Publications, Kolkata. P- 211-220.

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Bhattacharyya, Dipankar (1418B) Ashrayer Dampotyā, Dampotyā Oisharya; Sri Ramakrishna O Sharada Debi. Korak, Ed. Tapas Bhowmick, Sharad Sankhya; p-80-90.

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- Mukhopadhyay, Manjusree** (2011) Rabindra Kobitaye Khrishto-Anushanga O Uttoran; Rabindranath O Khrishto Bhabana. Ed. Chitta Mondal and Prathama Ray Mondal; Ekush Shatak, Kolkata. p. 5-11.
- Mukhopadhyay, Manjusree** (2011) Uponyas Kathaker Sandhane; Pounapunik, Ed. Narayan Halder; Pragnya Bikash, p. 10-22. ISBN 978-81-922460-0-0.
- Mukhopadhyay, Manjusree** (2011) Galpokaar Jagadish Gupta O Tnar Kayekjon Uttarsuri; Boishakhi, Bangladesh Upa-Iji Commission. Kolkata, p. 61-74.
- Mukhopadhyay, Manjusree** (2011) Rabikirane Dipta, Nijaswas Pravar Sandhane : Urbaashui O Artemis; Journal of the School of Languages, Centenary Tribute to Bishnu De (Published by a Grant from U.G.C) Ed. Debaprasad Banerjee, Moulana Azad College, p. 76-81.
- Mukhopadhyay, Manjusree** (2011) Ekusher Bhasha Andolan Ajo Biplaber Swapna ke bnachiye Rakhe; Technologies of Revolution: Society, Economy and Polity, (Published by a Grant from U.G.C.), Ed. Principal, Barasat Government College, p. 117-123.
- Mukhopadhyay, Manjusree** (2011) Adhunik Patabhumi, Swarup O Bangla Adhunik Kobitar Yatra; Ebong Mushayera. Boishakh-Ashar 1418B, p. 71-80. ISSN 0976-9307.
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- Mukhopadhyay, Manjusree** (2011), Aakhyan-Katha. In. Chakraborty, Sudhir (Editor), Budhijibir Noteboi, (2nd Ed) Pustak Bipani, p. 509-511.
- Naha, Dilip** (2011), Swami Vivekananda O tar jonomukhi Shiksha parikolpana, Uttaran, sharodsankhya, 1418, ed. Sasanka Shekhar Adhikari, p-112-127
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- Naha, Dilip** (2011), Mukodharar muktisnane Kazi Najrul Islam, In Muktodhara : Ekti Purnanga Alochona-Grantha; Ed. Moloy Rakshit; Kalyani Publications, Kolkata., p. 242-265
- Naha, Dilip** (2011) Bangal me Ingreji Shiksha aur Derozio, 'Bharatiyo Nabajagaranke Agradut Derozio, vol-1, ed. Dr. Tanuja Majumder, Dept. of Hindi, Presidency University, p. 221-249.
- Naha, Dilip** (2011) : Matrinamer mahabhikkhu, Ek onya Najrul, Biswakosh Parishad Patrika, Edt. Sabyasachi Chakraborty, Ograhayan issue, 2011, Kol-9.
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- Rakshit Moloy** (2011). Rabindra Natak : Birodh Noy Samajik Samanjasya. Anustup, Vol. XLV, Issue 3, p. 419-444
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- Rakshit Moloy** (2011). Madhyabityer Theatre, In : Chakraborty Sudhir (Editor), Budhijibir Noteboi, Pustak Bipani, p. 446-447
- Rakshit Moloy** (2011), Raktakarabi Kemon Kore Pori, In : Mitra Dilip Kumar (Editor) Rabindra Natya Samiksha, Dishari Publication Dec. 2011 p.151-170.

Seminar Lecture delivered

Naha, Dilip : Invited as speaker on 'shiksakatar sristisukhe Rabindranath', 2 day (25-26 September) National Seminar on 'Bichitra Rabindranath :Ananya Rabindranath', organized by Government women's College, Agartala, Tripura, on 25 September, 2011

Acted as chairman at the above-mentioned Seminar at 4th Session on 26 September, 2011

Dutta, Jayita (2011) Invited as a speaker Rabindranath Shatabdir Yatra : Gora-Raja-Gitanjali. In U.G.C. sponsored seminar at Gour Mahavidyalaya; 21 January 2011.

Dr. Moloy Rakshit took an interview of the famous theatre-critic Shomik Bandhopadhyay on theater which is published in RANGAPAT NATYAPATYRA Vol. VIII-2011, Titled: 'Theatre' Prasange Theatre: Shomik Bandhopadhyay p. 349-3575.

Dr. Moloy Rakshit Invited as a resource person and delivered lecture in a State Level UGC Seminar Titled : Rabindra Sahitye Samaj Bhabna O Manob Prem' organiged by The Deptt. Of Bengali, Kalna College on 25th-26th November 2011

List of Teachers: (Full Time)

Dilip Naha. Head of the Department
Swapan Kumar De
Sandip Kumar Patra
Jayita Dutta
Manjusree Mukhopadhyay
Sravani Roy
Dipankar Bhattacharyya
Debapriya Bhattacharyya
Moloy Rakshit

Non-Teaching Staff (For NetajiSubhash Building)

Mohanlal Rangwa
Ashutosh Chowdhury
Mongol Hazra

Department of English**News from the Department**

The Department of English remains committed to its tradition of academic excellence and intellectual curiosity in the year 2011. The performance of the students both in their academic pursuits and co-curricular activities is commendable. 16 students in PGII and 16 students of PGI secured First Class. In BA final examination 8 students secured first class marks in BA Part II 10 students secured first class marks and in BA Part I examination 4 students have secured First class. The First semester examinations of the students in the Undergraduate course of Presidency University have also been conducted.

The Teachers of the Department are actively engaged in research, publication and teaching. Dr Niranjan Goswami was awarded Fulbright-Nehru Senior Research Fellowship 2010-11 at the Graduate School of Arts and Sciences, Harvard University, Cambridge, Massachusetts, USA from 2010 October to 2011 June. He was also selected as a Member of the Regional Screening Committee for Fulbright-Nehru Post-doctoral Research Fellowship 2011-12. Prof. Sanghita Sen is Project Coordinator and Prof Manu Auddy a member of the Indian Chapter of the Green Studies Network and an International Project entitled "From Ego to Eco" initiated by School of Languages, Literatures and Cultures, National University of Ireland, Galway in collaboration with Universities in India, Germany, UK, Ireland, Switzerland and the USA. She is also a member, Advisory Board of the International project entitled Digital Poetry: Creating a Collaborative Network for Research Methods and Paradigms coordinated by Professor Charles Baldwin of West Virginia University, USA. Prof Sanghita Sen is also Joint Project Coordinator with Chris Lima from the British Council, UK - ELT E-Reading Group An Action Research Project expected to involve future ESL teachers from 34 countries to provide support towards development of Professional skills through an online discussion forum under the aegis of the British Council, UK. Prof Arpita Chattaraj (Mukhopadhyay) has been awarded her Doctorate degree for her thesis titled "Childhood in Toni Morrison's Novels".

The students of the department in keeping with the tradition continued to excel in extra-curricular activities along with keenly participating in the academic activities. Shalomi Mallick of UG III, along with the college dance-group

'CREWZERS', had secured the third position in two inter-college dance-competitions, in 'TEMPEST 2011', organized by Marine Engineering and Research Institute, Calcutta, and the other called 'GOONJ', conducted by St. Xavier's College, Kolkata. Anupa Basu of UGII participated in the play 2Pi R, as a member of the Presidency University Theatrical Society, Stagefright, staged at IIT Kharagpur during Springfest in January as part of the event 'Rangmanch'. Archisman Mukherjee and Sumon Sen of UGII participated in 'Musings', a poetry-reading session organised as part of the Scottish Church Literary Fest. Sumon was also part of the team which made the Best Documentary on 'Youth in India', organised by St. Xavier's College, Kolkata. Shrestha Saha of UG II landed a job at The Telegraph, Kolkata as part of their six-member campus team in May. Shritama Bose of UG II was adjudged second best speaker at the debate in Shunya, organised by Bhowanipur Gujarati Education Society College in February and advanced to the quarter finals of the inter-college quiz organised by Unish Kudi and Parle 20-20 Cookies in March. She was part of the team winning third best team at the intra-college Birla Tyres Debate in August. Shritama was also part of the team which was adjudged Best Team at the Derozio Memorial National Debate on 19-20 November. He also participated in 'Musings' Arusharko Banerjee of UG I secured the second position in the extempore competition in TEMPEST 2011 arranged by Marine Engineering and Research Institute, Calcutta.

Dr. Niranjana Goswami instituted the Utpala Goswami Memorial Book Prize since 2008-09, to be awarded to the student, who would score the highest marks in the Master of Arts Examination in English. This year Arunima Bhattacharya (2009-10) and Abhinanda Chakraborty (2010-11) were awarded the prize.

Seminars held in the Department and Visitors of the Department:

Name of the Speaker/Visitor	Institutional Address	Topic
Mr Satyabrata Pal	Member, National Human Rights Commission	Human Rights in India

Research Activities of the Department:

Title of the Project	Principal & Co- Investigators	Funding Agency	Amount	Status
19th Century British Media Debate on Empire	Dr Debasish Bandopadhyay	Oxford University, UK (St. Antony's College), & Charles Wallace	4000 GBP.	Ongoing
Preparation of Teaching Resources and training for low resource regional medium Schools in India	Sanghita Sen	Regional English Language Office, Embassy of the United States of America in New Delhi.	USD 4500	Continued from 2010

List of Publication by the Teachers of the Department:

Research Paper:

1. Bandopadhyay, D. (2011) "Media Debate and Goldwin Smith: Empire or Commonwealth?", Journal of Imperial and Commonwealth History, London: Taylor & Francis, Dec 2011.
2. Bandopadhyay, D. (2011) "New World Mariners: Empire and Migrancy in the First World", Journal of the Post-graduate Department of English, Maulana Azad College, Kolkata, Oct 2011.
3. Bandopadhyay D. (2011) "Text versus Context: Human versus the Ecological Space in Ruskin Bond's 'The Room on the Roof'" in The Green Symphony, Ed. Rajkrishnan V Sarup, New Delhi, 2011.
4. Banerjee, D. (2011) "Derozio: Faqir of Jangheera" in Bharatiya Navajagaran Ka Agradut: Derozio ed. Tanuja Mazumder. Anthology published by Gandhi Centre for North Eastern Languages and Presidency

University. December 2011.

5. Chattaraj (Mukhopadhyay) A (2011). "Toni Morrison's A Mercy: The Child 'unforgiven' 'unforgiving'", Vol 12 No 4 Atlantic Literary Review, New Delhi, 2011.
6. Goswami, N. (in Press) 'Scott Fitzgerald's The Great Gatsby' in Critical Approaches to American Fiction, Worldview Publications, Kolkata and New Delhi .
7. Goswami, N (in Press) Translation as Transfer: Thomas Hoby's 'The Book of the Courtier' in Travels and Translations (In Medias Res: British-Italian Cultural Transactions - British Academy Colloquium 3) Università di Pisa 4-6 April 2008, Rodopi Publishers, Amsterdam and New York
8. Goswami, N (in Press) Styling Religion: Puritan Rhetoric in the Sermons of John Cotton, Thomas Hooker and Thomas Shepard.' Proceedings of the UGC Sponsored National Conference on Re-Reading Seventeenth-Century Prose Writings, American Center and Calcutta Girls' College, Kolkata .
9. Sen, S. Sen, S. and Indrani Mukherjee (March, 2011) 'Appropriation of the Popular in Modern Literary Renditions: the Hanuman and the Wolf in two texts of Rajshekhar Basu (parashuram) and Luisa Valenzuela' in The Shared Crossings: Indo-Hispano-Lusophone Literary Perspectives. S. P. Ganguly (Ed). New Delhi: CSPILAS, Jawaharlal Nehru University. pp. 186-198.
10. Sen, S. and Indrani Mukherjee (September, 2011) 'Paradigms of the 'other' as 'outsider' and competitive patriarchy: Selected texts of Eduardo Galeano and Syed Waliullah's Lalsalu.' http://www.inter-disciplinary.net/wp-content/uploads/2011/08/Senmukh_2011_Intercultural_net_Draft_paper_Modified.pdf

Books:

1. Bandopadhyay, D. (2011) "Nationalism, Abjection and William Saroyan", Encyclopedia of Children's Literature, Michigan, USA: Routledge & Gale, Dec 2011.
2. Sen, S. Co-editor (along with Lena Nans, San Diego State University) of the E-Book comprising selected papers from the 5th International Conference on Multiculturalism, Conflict and Belonging held at Mansfield College, Oxford University, UK in September 2011.

Seminars/Lectures delivered/Workshops attended by teachers:

- Debashis Bandopadhyay** delivered the Keynote Address: Awareness of Foundational Conventions of Genre and Self in Shakespeare's Romantic Comedies, in Suri Vidyasagar College, 4th Binapani Memorial Seminar, 24 Jan 2011.
- Sanghita Sen** presided as Chairperson, in the Working session Day 1, Re-mapping the Future: History, Culture and Environment in Australia and India, 2nd International Conference, IASA, Eastern Region, 22-24 January 2011
- Sanghita Sen** presented a paper entitled "Australian Studies in India: Some Issues and Suggestions" in the 2nd International Conference, IASA, Eastern Region, 22-24 January 2011.
- Arpita Chattaraj** (Mukhopadhyay) presented a paper titled "Is it a Game? Foucauldian Heterotopias and Cyberreality" in the National Seminar on "Heterotopologies: Redefining Space and Cultural Imaginaries" organized by Department of English, University of Burdwan on 17th and 18th February, 2011.
- Sanghita Sen** presented a paper entitled 'The Enterprise of 'Accent-training': The New Machinery for Linguistic Imperialism in a national Seminar on Heterotopologies: Re-defining Space and Cultural Imaginaries' organised by Department of English, Burdwan University held between 17th and 18th February 2011.
- Sanghita Sen** jointly presented a paper entitled 'Paradigms of the 'other' as 'outsider' and competitive patriarchy: Selected texts of Eduardo Galeano and Syed Waliullah's Lalsalu along with Professor Indrani Mukherjee, JNU, New Delhi at the 5th International conference on Multiculturalism, Conflict and Belonging held at Mansfield College, Oxford University, UK between 22 and 25 September 2011.
- Debashis Bandopadhyay** presented a paper titled "Quest for an authentic Literary Grain: Two Versions of the 'Eyes are Not Here'" in a Panel on Indian Writing in English: Short Stories of Ruskin Bond organized by the English Study Centre of Rani Birla Girls' College, Kolkata, on 30 Sept 2011.
- Debashis Bandopadhyay** was participant in the panel discussion on Bangladesh War Crimes Tribunal and International Law in South Asia, Oxford University, UK (St. Antony's College) South Asian Studies; Michaelmas Term) 18 & 19 Oct 2011.

Debashis Bandopadhyay was participant in the panel discussion on (a) The Anti Corruption Movement in India, 24 Oct 2011; (b) Teaching the Nation in India, Oxford University, UK (St. Antony's College, South Asian Studies, Michaelmas Term); 25 Oct 2011.

Arpita Chattaraj (Mukhopadhyay) presented a paper titled "Dalit Life Narratives: From Silence to Articulation" in the UGC Sponsored National Seminar on "Writing as Resistance: Bengali and other Dalit Writings in English" organized by Department of English, Jogesh Chandra Chaudhuri College, on 29th and 30th November 2011.

Niranjan Goswami presented a paper titled 'Styling Religion: Puritan Rhetoric in the Sermons of Thomas Hooker, Thomas Shepard and John Cotton' at a UGC sponsored conference titled 'Re-reading Seventeenth-century Prose Writings' organised by Calcutta Girls' College, Bidhan Chandra College and the American Center, Kolkata on 29 November 2011.

Arpita Chatterjee (Mukhopadhyay) presented a paper titled "Once upon a time there was a little girl and a big bad wolf" ... : Re-reading of the tale of 'little' Red riding Hood, in a National Conference titled "Intertextual Adaptations and literacy Discourse" organized by Department of English, University of Burdwan on 27th & 28th December, 2011.

Staff List:

Debalina Banerjee, Head
Manu Auddy
Niranjan Goswami
Debashis Bandopadhyay
Sanghita Sen
Arpita Chattaraj (Mukhopadhyay)

Non-Teaching Staff:

Hanuman Dhuria

Guest Faculty:

Proloy Deb, Retired Professor, Kalyani University
Malini Bhattacharya, Retired Professor, Jadavpur University
Mihir Bhattacharya, Retired Professor, Jadavpur University
Shibaji Bandyopadhyay, Centre for Studies in Social Sciences
Jayati Gupta, West Bengal State University, Barasat
Amrit Sen, Viswa Bharati
Shanta Dutta, Jadavpur University
Samantak Das, Jadavpur University
Abhijit Gupta, Jadavpur University
Anindya Ghosh, Jadavpur University
Subhajit Chatterjee, Jadavpur University
Manas Ghosh, Jadavpur University
Dhrubajyoti Banerjee, New-Alipore College
Chaitali Moitra
Abin Chakraborty, JRF, University of Calcutta

Vacancy Position:

WBSES Posts: 3 (Vacant), 1 downgraded to WBES
WBES Posts: 2 (Vacant)

Department of Hindi

News from the Department

The Hindi Department has successfully started the semester system in undergraduate and postgraduate levels. The postgraduate students did well in the examination. Twelve students secured first class in M.A Hindi Examination. All students passed the B.A. (Hons) Final Examination and three students secured first class. Six students secured first class in B.A. Part II Examination. Eight students secured first class in B.A. Part I Examination. Students of Hindi Department won prizes in different inter-college Cultural Meet and University Competitions. Niraj Singh of B.A. First Year won second prize in creative writing competition in Inter-College Meet held in November by Marine College, Kolkata and also awarded Popular Speaker of the Day in the Debate Competition held in September at Presidency University. Mayank of B.A. First Year won first prize in Fresh Face Competition of Times of India held in October at Presidency University. He was also awarded the Man of the Match in Cricket organized by Kartik Bose Cricket Center in August, 2011. The students of Hindi Department actively participated in Annual Sports. They won most of the prizes in different events and acquired the Champions Trophy of the Annual Sports for the fourth consecutive years. Paramita Samaddar of B.A. Second Year became Champion in women's category for the third consecutive years.

Students actively participated in student seminar on 'Medieval Hindi Literature' held in our Department on 9th September, 2011.

The Department organized an excursion to Gadiyara in the month of September. Department also organized a week long Inter-Department Competitions on the occasion of International Non-Violence Day on 2nd October, 2011.

The Gandhi Center for North-Eastern Languages under Hindi Department has launched Bharatiya Sahitya Granthamala in Hindi & Bengali this year. The center has published following six books under these series. :-

Bharatiya Sahitya Granthamala in Bengali :-

1. Asadharan Diner Sadharan Katha by Tara Gandhi Bhattacharyya
2. Mahila Kalame Samakaler Asamiya Golpo

Bharatiya Sahitya Granthamala in Hindi :-

1. Bharatiya Navajagran Ke Agardut : Derozio, Vol-I
2. Bharatiya Navajagran Ke Agardut : Derozio, Vol-II
3. Samakalin Asamiya Kahaniyan : Stri Kalam Se
4. Asamiya Kavi Nilim Kumar Ki Shreshtha Kavitayen

NAME OF THE SPEAKER / VISITOR	INSTITUTIONAL ADDRESS	TOPIC
Phamtrung Di Nh	Director of Publishing House 'Hoi Nha Van' & Member of Executive Committee Vietnam Writers Association, Hanoi, Vietnam	Contemporary Literature of Vietnam (Introduction of Vietnamese Literature)
Ms. Tranthi Troung	Member of Executive Committee, Vietnam Writers Association, Hanoi, Vietnam	Contemporary Literature of Vietnam (Drama)
Ms. Do Thi Tac	President, Association of Art & Literature of Lai Chau Province, Vietnam	Contemporary Literature of Vietnam (Poetry)
Dr. Do Thu Ha	Professor, Oriental Studies & Dean of Vietnam National University, Hanoi, Vietnam.	Contemporary Literature of Vietnam (Fiction)

NAME OF THE SPEAKER / VISITOR	INSTITUTIONAL ADDRESS	TOPIC
Tanveer Mokkalal	Director, Bangladesh Film Association, Dacca, Bangladesh.	United Voices Raised Against Communalism & Fundamentalism in Bangladesh
Prof. Chitta Mondal	Director, Bangladesh Studies Center, Rabindra Bharati University.	Anti-Communal Voice In Bangladeshi Literature.
Dr. Manju Agarwal	Consultant Naturopath of Central Jail, Tihar, New Delhi & Visiting Professor in Naturopathy, Akhil Bharatiya Prakritik Chikitsa Parishad, Delhi	Correction management by Alternative System of Medicine and Gandhian Way : A Ray of Life.

Research Activities of the Department :

TITLE OF THE PROJECT	PRINCIPAL & CO-INVESTIGATORS	FUNDING AGENCY	AMOUNT	RESEARCH WORKER
Major Research Project entitled 'Hindi, Bangla Aur Bangladeshi Upanyason Mein Bharat Vibhajan Ki Trasadi Aur Sanskratik Asmita Ka Nirman.'	Dr. Tanuja Majumdar (P I)	UGC	Rs.4,85,000/-	Ranjit Kumar, Project Fellow. Project Completed
Minor Research Project entitled 'Hindi Aur Bangla Mahila Upanyaskaro Ke Upanyason Mein Uvarte Naye Mulya.'	Dr. Ranjana Sharma (P I)	UGC	Rs.89,500/-	Project Completed
Research Project entitled 'Kazi Najrul Islam's Dhoomketu & Mahatma Gandhi'	Dr. Tanuja Majumdar (P I)	GSDS	Rs.1,15,000/-	Project Completed

List of Publications

Research Paper :

Singh, Sandhya Kumari, Dharmik Asahishnuta Ke Pratipaksha Mei, Anusandhan-6, Aligarh, p.33-37, ISSN 0975-850x.

Research Paper in Edited Volume :

Bhattacharyya, Abhijit, Andhakar Ke Khilaf Patrakar Ki Muhim, Bharatiya Navajagran Ke Agradut : Derozio, Vol-I, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata, p.94 -99, . ISBN-978-81-909139-7-3.

Majumdar, Tanuja, Tum Kishor Tum Tarun, Bharatiya Navajagran Ke Agradut : Derozio, Vol-I, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata, p-11-42, ISBN-978-81-909139-7-3.

Majumdar, Tanuja, Prem Mukti Ke Kavi Derozio, Bharatiya Navajagran Ke Agradut : Derozio, Vol-I, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata, p-171-204, . ISBN-978-81-909139-7-3.

- Majumdar, Tanuja**, Khinch Lunga Yatna Se Sukh Ko, Bharatiya Navajagran Ke Agardut : Derozio, Vol-II, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata, p. 21-38, ISBN-978-81-909139-8-0
- Majumdar, Tanuja**, Ek Buland Awaj, Samakalin Asamiya Kahaniya : Stri Kalam Se, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata, p.11-31, ISBN-978-81-909139-6-6
- Majumdar, Tanuja**, Antarang Anubhution Ki Tanmayata Ka Ahsas , Asamiya Kavi Nilim Kumar Ki Shreshtha Kavitayen, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata, p.13-33, ISBN-978-81-909139-5-9
- Sahu, Jayanta Kumar**, Derozio Ke Kavya Samabandhi Vichar, Bharatiya Navajagran Ke Agardut : Derozio, Vol-I, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata, p. 205-2013. . ISBN-978-81-909139-7-3
- Sharma, Ranjana**, Ek Tufani Zindagi Ka Safarnama, Bharatiya Navajagran Ke Agradut : Derozio, Vol-I, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata, p-51-62. . ISBN-978-81-909139-7-3
- Singh, Sandhya Kumari**, Derozio Aur Young Bengal, Bharatiya Navajagran Ke Agradut : Derozio, Vol-I, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata, p-100-119. . ISBN-978-81-909139-7-3

Book :

- Bhattacharyya, Abhijit**, Asamiya Kavi Nilim Kumar Ki Shreshtha Kavitayen, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata, ISBN-978-81-909139-5-9
- Sharma, Ranjana**, Lok Sahitya Chintan Ke Vividha Ayam, Anand Prakashan, Kolkata, ISBN-978-81-88904-37-2
- Singh, Sandhya Kumari**, Parsai Ke Sahitya Mein Samakalin Yatharth, Aman Prakashan, Kanpur, ISBN-978-93-80417-49-3
- Singh, Sandhya Kumari**, Sanskriti Sahitya Aur Itihas, Anand Prakashan, Kolkata, ISBN-978-932-80-332-12-3
- Singh, Sandhya Kumari**, Samakalin Asamiya Kahaniya : Stri Kalam Se, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata, ISBN-978-81-909139-6-6

Edited Volume :

- Majumdar, Tanuja**,(Editor), Asadharan Diner Sadharan Katha by Tara Gandhi Bhattacharyya, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata. ISBN-978-81-909139-6-6
- Majumdar, Tanuja**,(Editor), Mahila Kalame Samakaler Asamiya Golpo, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata. ISBN-978-81-909139-6-6
- Majumdar, Tanuja**,(Editor), Bharatiya Navajagran Ke Agradut : Derozio, Vol-I, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata. ISBN-978-81-909139-7-3
- Majumdar, Tanuja**,(Editor). Bharatiya Navajagran Ke Agradut : Derozio, Vol-II, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata. ISBN-978-81-909139-8-0
- Majumdar, Tanuja**,(Editor), Samakalin Asamiya Kahaniya : Stri Kalam Se, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata. ISBN-978-81-909139-6-6
- Majumdar, Tanuja**,(Editor), Asamiya Kavi Nilim Kumar Ki Shreshtha Kavitayen, Gandhi Center for North-Eastern Languages, Presidency University. Kolkata. ISBN-978-81-909139-5-9

Seminar Lectures Delivered / Workshop attended as Resource Person by Teachers

Majumdar, Tanuja. delivered a Lecture as resource person in UGC sponsored Refresher Course on 'Translation of Sanskrit Text in India & Abroad' organized by Calcutta University on 21st July 2011 at Calcutta University.

Majumdar, Tanuja, delivered a Lecture as resource person in UGC sponsored National Seminar on 'Ravindranath and Hindi Sahitya : Antaranga Sambandha' organized by Rabindra Bharati University on 11th March, 2011 at Rabindra Bharati University.

Sharma, Ranjana, delivered a Lecture as resource person in UGC sponsored National Seminar on 'Ravindranath and Hindi Sahitya : Antaranga Sambandha' organized by Rabindra Bharati University on 11th March, 2011 at Rabindra Bharati University.

Sharma, Ranjana, delivered a Lecture as resource person at Central Translation Buerau, Govt of India, on 'Bhasha Vividh Rupa Veda Evam Sheiliyan' on 14th March, 2011 at Rabindra Bharati University.

Sharma, Ranjana, delivered a Lecture as resource person at Central Translation Buerau, Govt of India, on 'Bhasha Ke Vividh Rupa Veda Evam Sheiliyan' on 12th September, 2011 at Rabindra Bharati University.

Staff List :

Tanuja Majumdar (Head)
 Sandhya Kumari Singh
 Ranjana Sharma
 Abhijit Bhattacharyya
 Jayanta Kumar Sahu
 Vasundhara Mishra (Part-Time)
 Premshankar Tripathi (Guest Faculty), Bangabasi College, Kolkata

Non-Teaching - nil

Vacant Post
 Professor-2,
 Assistant Professor -1

Department of History

News from the Department

The Department of History is one of the oldest departments of Presidency College, now University. Its origins may be traced back to the early 19th century when H.L.V. Derozio used to teach, among others, history in this institution. As a separate department it was formally shaped by Prof. E.F. Oaten who organized the History Seminar by 1907-08. The task was carried forward very ably and efficiently by a galaxy of brilliant teachers including Prof. Kuruvila Zachariah and Prof. Sushobhan Chandra Sarkar. At present the department offers both Undergraduate and Postgraduate Courses. Though it has admitted this year its first batch of undergraduate and postgraduate students under the banner of Presidency University, its senior students (admitted as Presidency College students) are carrying on their course under Calcutta University. Its well-stocked seminar library, enriched by the contributions of its teachers and students, has more than one thousand titles. It also maintains a small archive with valuable materials.

The department is presently understaffed, but it continues to enjoy the help and cooperation from a number of eminent teachers who are serving the university as Guest Teachers. Most of them are alumni of this institution.

The students continue to excel themselves both in curricular and extra-curricular activities. They give commendable assistance to the department on all occasions, particularly during admission and seminars. The students belonging to Presidency College appeared in the B.A. and M.A. Examinations under the University of Calcutta and performed well. In the B.A. Part III Examination nine out of thirty-five students secured first class marks and a few narrowly missed it. In the B.A. Part II Examination three out of thirty-five students and in the B.A. Part I Examination four out of thirty-five students secured first class marks. In the M.A. Part I and Part II Examinations of the University of Calcutta three (out of twenty) and six (out of twenty) students secured first class marks respectively.

The following students of our department topped the list of successful candidates in different examinations under the University of Calcutta.

1. Srijita Basak (B.A. Part I Examination)
2. Sohini Chattopadhyay (B.A. Part II Examination)
3. Somak Biswas (B.A. Part III Examination)
4. Apurba Chatterjee (M.A. Part I Examination)

Sukhalata Sen secured Second position in the M.A. Part II Examination 2011 under the University of Calcutta.

Ujaan Ghosh, a student of M.A. First Semester was a member of the winning team in the Udayan Mukherjee Memorial Debate 2011. He was the runners up in the Derozio Memorial Debate and participated in a national level debate organized by NUJS.

In November the students of the Department went on an excursion to Murshidabad, Gour, Pandua and Malda to explore the cultural trends and values of early medieval, medieval and modern India under the guidance of Prof. Jayasree Mukhopadhyay and Prof. Chaitali Chaudhuri.

Throughout the year our full-time faculty members actively participated in different seminars and workshops, presented papers and contributed articles to various edited volumes and journals. They participated in the interactive sessions of seminars like Sri Aurobindo Memorial Lecture Series, 2011, organized by NCERT and Presidency University. They also attended a number of inter-departmental seminars. All faculty members actively took part in the functioning of administrative bodies of the University, e.g. Examination Committee, Admission Committee, Prasangiki Committee etc.

Seminars organized by the Department

As in previous years, too, this year also the department organized a number of seminars and lectures including students' seminars. In January a whole day students' seminar was arranged by the department on 'Currents and Cross Currents in History' divided into three sub-sections 'Art, Culture and Society', 'Ideas and Institutions' and 'State and Society'. Twelve students belonging to undergraduate and postgraduate classes presented their papers. Divided into three sessions, the seminar was moderated by Oindrila Sarkar, Ujaan Ghosh, Pratichi Mahapatra and Somak Biswas.

The other seminars and lectures organized by the Department:

Name of the Speaker	Institutional Address	Topic
Aishika Chakraborty	Bhairab Ganguly College	Gender and performance: the Contemporary Intervention in Indian Dance
Satyabrata Pal	National Human Rights Commission	The State of Human Rights in India
Professor Sourin Bhattacharya	Jadavpur University	Keboli Shabder Janma Hoy
Srijita Basak and Srcemoyee Datta	Students	Evolution of Bengali Theatre India Through the Eyes of Babur
Tanima Dey	Student	Aurangzeb and Music
Sanmitra Ghosh	Student	Devadasi System in Post-Colonial India
Aritri Chakraborty	Student	Perception of Tagorean Realm
Sohini Chattopadhyay	Student	Perception of Women in Old Testament
Somak Biswas	Student	The Nation in Derozian Imagination
Anwasha Das and Gunja Mukherjee	Students	Non-Anglo European Settlements in Hooghli
Mriganko Mukhopadhyay	Student	Khanzadas of Mewar and their relation to Mainstream Politics
Madhumita Chatterjee and Deborshi Chakraborty	Students	Tagore in Celluloid

Research Activities of the Department:

Dr. Chaitali Chaudhuri is the Principal Investigator of a Research Project on Vernacular press and Subnationalism in Bengal funded by Indian Council for Historical Research. She is also the Principal Investigator of another research project titled 'Linguistic Sub- Nationalism and the Rise of Bengali Press' sponsored by the Indian Council for Historical Research

Saswati Datta registered under Doctoral Programme of the University of Calcutta under the supervision of Dr. Jayasree Mukhopadhyay.

Dr. Jayasree Mukhopadhyay is pursuing research work on an aspect of the Ramakrishna Vivekananda Movement in the Post Colonial Period.

Anasua Datta is working on 'Romancing with Small Fire Power (handguns): Bengal 1835-1935'.

Paramita Maharatna (Chakraborty) is perusing her research work on 'Bihar: Economy, Society and British Administration, 1757-1820'.

List of Publications by the Teachers of the Department:

Chaudhuri. C., (2011) The Awakening Conscience of Modern India. In: S.Mukhopadhyay (Editor) Technologies of Revolution: Society, Economy and Polity. Kolkata.

Datta. A., (2011) Kumudnath Chaudhuri. In: West Bengal Government and Jadavpur University (Ed) Dictionary of Personalities.

Mukhopadhyay. J. (2011) Unish Shatake Banglay Samajsamskar. In : Roy, A. and Neogi, G. (Editors) Unish Shataker Bangla. Parul Prakashani Private Limited, Kolkata, pp. 78-89.

Seminar Lectures Delivered by Teachers:

Jayasree Mukhopadhyay

Delivered lecture as a resource person on 'Origins of the Ramakrishna-Vivekananda Movement : Its Different Perspectives' at Ramakrishna Mission Institute of Culture, Kolkata, January, 2011.

Delivered lecture as a resource person on 'The Ramakrishna-Vivekananda Movement and Tribal Welfare: Narainpur as a Case Study' at Ramakrishna Mission Institute of Culture, Kolkata, January, 2011.

Delivered lecture as a resource person on 'Education and Health in the Ramakrishna-Vivekananda Movement' at Ramakrishna Mission Institute of Culture, Kolkata, March, 2011

Acted as a Guest Observer and Discussionist in the ICPR sponsored International Seminar on 'Cultural Unity in India', held at Ramakrishna Mission Institute of Culture, Kolkata, November, 2011

Paramita Maharatna

Presented the Paper, "Mughal Biharers Shasan Byabastha (1707): Sei Aitizya Bartaman?" at the conference organized by the Itihas Sansad at the Archaeological Department of University of Calcutta, January 2011.

Paper presented at Indian History Congress, 71th Session, University of Gour Banga, Malda. Title: Revenue Administration of Bihar Under the Provincial Council (1773-1780), February, 2011.

Staff List:

A : Teaching :

1. Jayasree Mukhopadhyay, Head
2. Paramita Maharatna
3. Anasua Datta
4. Chaitali Chaudhuri

Guest Faculty:

1. Rajat Kanta Ray (ex-V.C., Visva Bharati)
2. Uttara Chakraborty (Retired teacher, Bethune College)
3. Subhas Ranjan Chakraborty (Retired teacher, Presidency College)
4. Nupur Chaudhuri (Teacher, St. Lawrence School)
5. Kaushik Roy (Jadavpur University)
6. Supratim Das (Scottish Church College)
7. Swarupa Gupta (Maulana Azad Institute of Asian Studies, Kolkata)
8. Somshankar Roy (Vidyasagar College for Women)
9. Mimasa Pandit (Victoria College)

Posts lying vacant:

Teaching: WBSES: 3 WBES: 1

Non-Teaching: Nil

Department of Philosophy

News from the Department

Department of Philosophy holds its tradition of excellence in this year too. Different batches of students have shown their talents in university examinations (University of Calcutta). Six out of thirty students have secured first class marks in B.A. Final Examination. In M.A. Final Examination of the University of Calcutta one out of six students secured first class.

Besides their academic involvement, the students have successfully participated in other activities also. A wall magazine edited by the students of the department has been published which bears the signature of their creativity and innovations. Niladri Das and Md. Obaidullah of M.A. First Semester presented paper in a seminar titled 'Philosophy and Science and Technology' in the Department of Philosophy, Jadavpur University, on 20th December, 2011.

The students of Second Year B.A. organized a students' seminar on 'Theories of Universals: East and West' in November 2011.

Seminars organized by the Department

Name of the Speaker	Institutional Address	Topic
1. Prof. Tushar Kanti Sarkar	Department of Philosophy, Jadavpur University	Jaina Logic
2. J. L. Shaw	Department of Philosophy, Victoria University, Wellington, New Zealand.	Comparative Epistemological Studies: East and West.

Research Activities of the Department

Title of the Project	Principal Investigators	Funding Agency	Amount
The Moral behind the Practice of Vrata: A Feminist Analysis	Sebanti Bhattacharya	U.G.C.	Rs. 1, 50, 000

List of Publication:

- 1) Bhattacharya, S. (2008-09) "Realism Reinstated". Rabindra Bharati Journal of Philosophy, Vol-XIV, pp.16-24 (ISSN No. 0973 0087) (Published in 2011).
- 2) Bhattacharya, S. (2010) "Three- Category Ontology". Jadavpur Journal of Philosophy, Vol-20, pp. 63-80 (ISSN No. 0975-6833) (Published in 2011).
- 3) Chatterjee, Angana (2011) Ruessll's Implication:A Review. In: Mukhopadhyay, A. (Ed) Revisiting Principia Mathemaica after 100 Years, Kolkata,Gangchil.
- 4) Mukherjee, S. (2011) "Derozio kye chintan me Hume ki prasngikata" in Bharatiya nabajaganan ke agrajan: Derozio, Gandhi Centre for North Eastern Languages,of Presidency University.

Lectures delivered by faculty members as resource person:

Sebanti Bhattacharya delivered a lecture on 'Logic' as a resource person in the Induction Course Training Programme for Civil Judge at the West Bengal Judicial Academy, Bijan Bhawan, Salt Lake, on 28 December, 2011.

Angana Chatterjee presented a paper titled 'A Feminist Response to Classical Logic' in UGC-sponsored National Level Seminar organized by Belur Vidyamandira,Belur, Howrah. She presented another paper titled 'In Search for a Logical Basis of an Alternative Ethical Practice' in UGC-sponsored National Level Seminar organized by P.D. Women's College, Jalpaiguri, West Bengal.

Staff List

- 1) Sutapa Dasgupta (Head of the Department)
- 2) Mandira Mukhopadhyay
- 3) Dipa Mukhopadhyay
- 4) Srimati Mukhopadhyay
- 5) Sebanti Bhattacharya
- 6) Angana Chatterjee

Department of Political Science

News from the Department

The Department of Political Science traversed the path of history when it remembered its former teachers and students on the occasion of the Golden Jubilee Celebration and Reunion of the Department on March 12, 2011. A day-long programme was organized to celebrate the Golden Jubilee of this glorious Department, established in 1960 as an independent department to teach Political Science. The Golden Jubilee Celebration was inaugurated by the then Vice-Chancellor of Presidency University Prof. Amita Chatterjee. Prof. Amal Kumar Mukhopadhyay, Prof. Rakhahari Chatterji, Prof. Prasanta Ray, Prof. Asok Kumar Mukhopadhyay, Prof. Sobhanlal Datta Gupta, Prof. Bholanath Banerjee and many former students and teachers of the Department were present during the inaugural ceremony. The 'Down Memory Lane' programme that followed the inaugural session became lively with former students recalling their student days with nostalgia, anecdotes and humour. When speakers like Prof. Dipak Das Gupta, Prof. Sanjib Mukherji, Prof. Sobhanlal Datta Gupta and Sri Jawhar Sircar were remembering their student days, the audience also participated with additional inputs. A Panel Discussion on "Indian Politics: Crossroads Ahead" was also organized in the morning session. The discussion was moderated by Prof. Asok Kumar Mukhopadhyay. Prof. Rakhahari Chatterji, Prof. Gautam Kumar Basu, Sri Alapan Bandyopadhyay, and Sri Subrata Talukdar were present as panelists. The afternoon session belonged to the present students who performed the dance drama "Bhanu Singher Padabali" to remember Rabindranath Thakur in his 150th birth anniversary. The students also staged a skit entitled "Zero Hour". It was directed by Sri Nandalal Chakrabarti, Head of the Department. Sri Abdus Samad Gayen and Sri Nandalal Chakrabarti, current faculty, also participated in the students' programmes. Prof. Tathagata Chakraborty, a former student presented a solo programme on Bengali folk song. The day-long programme was anchored by Dr. Anik Chatterjee and Yashi Surana, an outgoing third year student. The Department, in collaboration with the Council for Political Studies, Kolkata, organized a day-long seminar on "Social and Political Ideas of Tagore" in early March, 2011 to commemorate the 150th birth anniversary of the poet. Eminent personalities from different walks of life participated in the seminar. The students of the department, as usual, excelled in university examinations. In the B.A. Part I Examination (University of Calcutta), 17 out of 24 students secured First Class, in the B.A. Part II Examination (University of Calcutta) 11 out of 23 students secured First Class and in the B.A. Part III Examination (University of Calcutta) one student got First Class. Our students also excelled in extra-curricular activities. Tania Bharadwaj, a student of B.A. Third Year was adjudged 'Best Debator' both in Derozio Memorial Inter-college Debate and Udayan Mukherjee Memorial Debate. Tania also won many other debates. Our students Pooja Chettri, Anushuya Ghosh and Abhranila Das participated in a dance competition organized by the U.S. Consulate in Kolkata. The teachers of the department were engaged in their academic pursuits, and were invited by various organizations to speak on different issues.

Seminars and Panel Discussions held in the Department

Seminar on 'Social and Political Ideas of Tagore'

Speaker	Topic
Prof. Karunasindhu Das, Vice-Chancellor, RabindraBharati University	Key-note address
Prof. Amal Kumar Mukhopadhyay, Former Principal, Presidency College	Rabindra Chetonay Prem, Prakriti o Ishwar
Dr. Rita Banerjee, Council for Political Studies, Kolkata	Rabindra Kabye Nari Bhavna
Prof. Radharaman Chakrabarti, Former Vice-Chancellor, Netaji Subhas Open University	Rabindranather Rajyapat
Sri Arun Ghosh, Former Librarian, Centre for Studies in Social Sciences, Kolkata	Rabindranather Granthabhavna

Panel Discussion on 'Indian Politics: Crossroads Ahead'

Participants:

Prof. Asoke Kumar Mukhopadhyay, former Netaji Subhas Professor of Political Science, University of Calcutta, Moderator.

Prof. Rakhahari Chatterji, Former Professor of Political Science and Dean, Faculty of Arts, University of Calcutta, Panellist.

Prof. Gautam Kumar Basu, Professor, Department of International Relations, Jadavpur University, Panellist.

Sri Alapan Bandyopadhyay, Principal Secretary, Department of Municipal Affairs, Government of West Bengal, Panellist.

Sri Subrata Talukdar, Advocate, Calcutta High Court, Panellist.

Other Seminars

Name of the Speaker	Institutional Address	Topic
Prof. Asoke Kumar Mukhopadhyay	Former Netaji Subhas Professor of Political Science, University of Calcutta	Right to Information Act and its Implementation
Sm. Supurna Banerjee (former student)	Research Scholar, University of Edinburgh, U.K.	Work experience of the female tea plantation workers of North Bengal

List of Publications of the Teachers

Research Paper

Chatterjee, A. (2011) "India-U.S. Relations: Expectations, Reality and the Future", Journal of South Asian and Middle Eastern Studies, Vol. 34, No.3, pp. 22-35.

Seminar Lectures Delivered by the Teachers

Nandalal Chakrabarti

- Delivered lectures on the disappearance of Netaji Subhas Chandra Bose in different seminars at Kolkata, Asansol and Basirhat in Nov- Dec, 2011.
- Invited as an Expert to a live T.V. Programme on the issue of "Political Implications of Price Rise", by Tara Newz, a private TV Channel, Kolkata, November, 2011.
- Delivered a lecture on the 'Latest developments with regard to the issue of Netaji's disappearance' in a workshop organized by the 'Netaji Charcha Kendra' at Bijoygarh, Kolkata, October, 2011.
- Invited as an Expert to a live T.V. Programme on the issue of 'Lokpal', by Tara Newz, a private TV Channel, Kolkata, October, 2011.

Anik Chatterjee

- Invited as a Resource Person to speak on "Global Civil Society and Global Security, Compatible?" at the UGC sponsored Refresher Course on Politics and Economics of Global Security, Department of International Relations, Jadavpur University, Kolkata, December 02, 2011.
- Invited as a member of the Jury at the International Relations Scholastic Conclave, Department of International Relations, Jadavpur University, Kolkata, November 19, 2011.
- Interviewed as an expert on "Education under the Federal Structure in India" by Star Ananda, a private TV Channel in Kolkata, October 29, 2011.
- Invited as an Expert to a live T.V. Programme on the issue of "Fund Allocation between the Centre and States in India", by News Time, a private TV Channel, Kolkata, October 24, 2011.
- Invited by the United States India Educational Foundation (USIEF) to talk on 'Fulbright Fellowship Experiences' at the Fulbright Returnee Review Program, Lincoln Room, American Centre, Kolkata, September 30, 2011.
- Invited as an Expert to give a talk on "India-Bangladesh Relations", by the All India Radio, Akashbani Bhavan, Kolkata, September 13, 2011.
- Invited as an Expert to a live T.V. Programme on the issue of "Impeachment of a Judge by the Rajya Sabha", by Star Ananda, a private TV Channel, Kolkata, August 18, 2011.

8. Invited as an Expert to a live T.V. Programme on the "Creation of the Legislative Council in West Bengal", by Star Ananda, a private TV Channel, Kolkata, June 28, 2011.
9. Invited as a Resource Person at the "Fulbright Mentoring Workshop", organized by the United States India Educational Foundation (USIEF); Kolkata, India, at the Lincoln Room, USIEF, April 14, 2011.
10. Invited as a Resource Person to talk on "My Fulbright Experiences in the United States" in a Workshop entitled "Building Partnership" at the Park Hotel (Kolkata) organized by the United States India Educational Foundation (USIEF); Kolkata, India, February 10-11, 2011.

Abdus Samad Gayen

1. Presented a paper on "Power, Politics and Corruption: Relevance of M.N. Roy's Alternative Politics in Contemporary India", Hazarduari, Murshidabad, W.B., December, 2011.
2. Participated in a Panel Discussion on the "Role of Civil Society in the Perspective of Growing Limitations of Democracy", UGC sponsored National Seminar, Muralidhar Girls' College, Kolkata, September, 2011.
3. Presented a paper on "Relevance of Tagore's Thought in the Present Context", Gandhi Peace Foundation, New Delhi, August 2011.
4. Gave a talk on the "Role of Women in Our Society", Netrolok, Taki, West Bengal, July 2011.
5. Acted as a Jury in the National Debate Competition, Jadavpur University, Kolkata, February 2011.

Staff List

A. Teaching: Regular Faculty

NandalalChakrabarti, Head of the Department
 Bikash Chandra Dutta
 Anik Chatterjee
 AbdusSamad Gayen

(Vacancy: WBSIES 3)

Guest Faculty (for P.G. Course)

Prof. Amal Kumar Mukhopadhyay
 Prof. SobhanlalDatta Gupta
 Prof. Gautam Kumar Basu

B. Non Teaching

Ramnath Prasad

Department of Sociology

News from the Department

The year 2011 has been an eventful year for the department of Sociology. From this year the department has started postgraduate program and Extra Departmental Courses for BA Students. In terms of academic achievement, students of this department have fared very well this year in the Calcutta University Part I, II and III examinations. In Part III Examinations, 8 students have secured First Class marks. The Part II result this year has been an all time record. Out of 24 students, 19 secured First Class and 2 students missed First Class by one mark. The department is very happy with this performance by the students. Quite a few students have narrowly missed it and the department hopes that in Part II Examination, they would successfully make up the marks difference. Just like Part III and Part II examination, the result of our Part I examination is also remarkable. In Part I examination, 10 students have secured First Class marks out of 24 students. At the end of the day, it is not just about marks after all. It is equally important to assess as to how they get placed in MA programs in prestigious institutes across the country. This year, 1 students got admission in JNU, 2 has taken admission in DSW and 2 students are in DSE, and 2 students are studying in Hyderabad Central University. The rest are studying in home ground at JU and CU and doing very well as usual. Two of our students after completion of post-graduation have cleared the J.R.F. Net Examination this year. For the second consecutive year the department has been successfully able to organize excursion for 2 nights 3 days (18.12.11-20.12.11) to Mandarmani. Student-teacher interaction outside classroom was at its best. While Sociology is not only about classroom teaching, such a trip really helps to broaden their horizons, get a glance of reality and see things in proper perspective. The department takes this opportunity to thank the authorities for the financial as well as administrative support.

Seminars held in the Department and visitors to the Department:

Name of the Speaker	Institutional Address	Topic
1. Dr. Swapan Datta 2. Sri Arup Roy 3. Sri Pranab Chatterjee 4. Dr. Manas Bhunia 5. Sri Tathagata Roy 6. Sri Rejjak Molla 7. Sri Probodh Panda	1. ICAR, Delhi 2. Agricultural Minister, WB 3. Agricultural Scientist, VCKVV 4. Irrigation Minister, WB 5. Leader, BJP 6. MLA, WB. 7. MP, Lokshabha.	Status of Agri-Business in India.

Research Activities of the Department :

Title of the Project	Principal & Co-Investigator	Funding Agency	Amount	Research Workers
Agri- Business in India : A Sociological Study	Dr. Samit Kar	Planning Commission.	4.75 Lakhs	4 (Aparajita Chakraborty, Amritarupa Sen, Monoj Bose, Sudeshna Roy)
The Social Status of Women as reflected in Bengali Literature (1801- 1950).	Dr. Angshuman Sarkar and Dr. Urmil Roy Choudhury (Reader, Deptt. of Bengali, Calcutta University)	UGC	6.70 Lakhs	6
Implementing Tagore's Thoughts to Deed.	Dr. Samit Kar	TCGS, Ministry of Culture	2 Lakhs	Suchandra Roy Choudhury

Other Academic Activities:**List of Publications by the Teachers of the Department:**

Dr. Angshuman Sarkar

Books:

1. Drug Addiction: A Socio-Economic Analysis, SCHOLAR, (2011) Kolkata, (ISBN: 978-81-909113-6-8)

Dr. Prasanta Ray

Research Paper:

1. 'Pratyaha: Everyday Lifeworlds, Occasional Paper, Institute of Development Studies Kolkata.

Dr. Samit Kar

Research Paper :

1. Em-bourgeoisment of labour , Jadavpur University Journal, March 2011.

Books

1. Urban Sociology: Critical Perspective of City Life , Platinum Publisher, 2011, Kolkata.
2. Let's Vote, Directed Initiative , 2011, Kolkata.

Seminars, Lectures Delivered/Attended by Teachers of the Department:

Dr. Prasanta Ray

1. "I never promised you a rose garden": Optimism and Cynicism about Interdisciplinarity", Department of History, Calcutta University.

2. 'Sociology of Religion and Emergence of Spiritual Super- Markets' in Ramkrishna Mission Institute of Culture, Kolkata.
3. 'Qualitative Approach to Everyday Lifeworlds, Department of Applied Psychology, Calcutta University.

Dr Suhrita Saha

Paper titled 'Untouchability Revisited' presented in a seminar

On Untouchability in India, at DonBosco High School on 17th September 2011.

Staff List:

(A) Teaching

Angshuman Sarkar, (Head)
Samit Kar
Santilata Biswas
Suhrita Saha
Professor Prasanta Ray (Professor Emeritus)

(B) Non-Teaching Staff

U.D.C: Vacant
Ashutosh Chaudhuri
Mohanlal Rangoa

Guest Faculty :

Sri. Amritabha Banerjee
Dr. Asruranjan Panda
Dr. Basabi Chakraborty
Dr. Baisali Sinha.



Department of Biotechnology

News from the Department

The Post Graduate Department of Biotechnology at the 194 years old premier institute of higher learning is the youngest independent interdisciplinary department that started functioning from the twenty fourth day of August 2009. The Higher Education Department, Government of West Bengal, has extended generous financial help to establish this department. Three full time teachers have joined this department. Many teachers from within and outside this university have extended their help in teaching.

The first batch of M. Sc. Biotechnology students (10 students) have passed out from the department in 2011. All the students obtained first-class marks and two of them have been successful in qualifying national level NET and GATE examinations. Teachers of this department have been engaged in other academic activities like conducting admission test, acting as guest faculty in other UG and PG departments, conducting workshop under the DBT-STAR college programme and carrying out research activities in collaboration with other academic and research institutes. With the upgradation of Presidency College to Presidency University, the department has completely revised and upgraded the syllabus of M. Sc. Biotechnology and introduced semester system from the 2011-2012 academic session. The syllabus has been framed with the help of experts from different universities and research institutes giving emphasis on the current trends and recent advancements in biotechnology. Continuous assessment system in practical papers, students' seminar, grand viva and compulsory summer training are some important features of the newly introduced M.Sc. syllabus.

Seminars organized by the department and visitors to the department:

Prof. Niranjana Chakraborty and Prof. Subhra Chakraborty from NIPGR (New Delhi) had visited the department during Feb-Mar, 2011 and delivered lectures on Proteomics and Plant Biotechnology.

Research Activities:

Title of the project & Year	Principal Investigators	Funding Agency	Amount	Research worker
1. Some molecular biological studies on chronic arsenic toxicity in a murine model (completed- June, 2011) [UGC-MRP No. F. PSW-071/09-10(FRO)]	Bhaskar Gupta	U.G.C	Rs. 1,24,000/-	Nil
2. List of ongoing projects of Prof. Timir B. Jha is available in the report of Botany Department.				
3. Research Associate: Dr. Subhendu Bandopadhyay has joined this department under Prof. Timir B. Jha from July 2011 as a DBT-Postdoctoral Fellow.				

List of Publications:

- Biswas A, Bhattacharya A, Kar S and Das P.K (2011) Expression of IL-10-triggered STAT3-dependent IL-4R α is required for induction of Arginase1 in Visceral Leishmaniasis, *European J. Immunol.* 41(4):992-1003. DOI 10.1002/eji.201040940
- Biswas A, Bhattacharya A and Das P.K. (2011) Role of CAMP Signaling in the Survival and Infectivity of the Protozoan Parasite, *Leishmania donovani*. *Molecular Biology International*, 9pgs. doi:10.4061/2011/782971
- Chakrabarti J (2011) Probiotics for Sustainable Aquaculture: An Overview. *Academic Spectrum*, Vol 2, No. 2: pp.101-115, 2011. (ISSN: 0976-9323)
- Gupta K, Gupta B, Ghosh B and Sengupta DN (2011) Spermidine and abscisic acid-mediated phosphorylation of a cytoplasmic protein from rice root in response to salinity stress. *Acta Physiologica Plantarum* (Published Online: 28 June 2011) DOI: 10.1007/s11738-011-0802-0.
- Mukherjee S, Gupta B, Banerjee KK and Singh R (2011) Isolation, purification and biochemical characterization

of aliphatic hydrocarbon degrading strains from faecal Samples of chital deer (*Axis axis*), Proc. Nat. Symp. On Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.

List of publications of Prof. Timir B. Jha is available in the report of Botany Department.

Seminar, Lectures delivered or attended by the teachers and/or research scholars

- a. Chitrita Chatterjee, Bhaskar Gupta, Kamala Gupta. "Isolation & partial characterization of heavy metal tolerant bacteria". International Conference on Ecotoxicology & Environmental Sciences (ICEES 2011) from November 28, 2011 to Nov. 30, 2011 at- Miramar Residency, Panaji, Goa, India.
- b. Kamala Gupta, Bhaskar Gupta, Sabari Sarkar, Anamika Das, Shemushi Banerjee, Hemlata "Isolation and partial characterization of bacterial strains showing heavy metal tolerance" National seminar on Bioresource and Human welfare, Lady Brabourne College, Kolkata, January 20-21, 2011.
- c. Jana Chakrabarti, R. Chatterjee, S. K. Goswami, B.N. Chakravarty & S.N. Kabir. "Impacts of Leptin Concentration on in vitro Fertilization and Embryo-Transfer Outcome in Assisted Reproduction". 18th West Bengal State Science and Technology Congress from February 28-March 1, 2011, organized by The Department of Science and Technology at West Bengal and Ramkrishna Mission Residential College, Narendrapur, Kolkata in association with Paschim Banga Bignyan Mancha.
- d. Arnab Dawn, Shreya Hazra & Jana Chakrabarti. "Biotechnology and Microbial Production of Food-Grade Biocolourants: An Overview". 18th West Bengal State Science and Technology Congress from February 28-March 1, 2011, organized by the Department of Science and Technology at West Bengal and Ramkrishna Mission Residential College, Narendrapur, Kolkata in association with Paschim Banga Bignyan Mancha.
- e. Shreya Hazra, Arnab Dawn & Jana Chakrabarti. "Biotechnological Intervention for Sustainable Management of Coral Reef Ecosystem". National Seminar on Bioresource and Human Welfare from January 20-21, 2011 organized by the Department of Botany and Zoology, Lady Brabourne College, Kolkata, sponsored by University of Grants Commission in association with Botanical Survey of India, Zoological Survey of India and Ministry of Environment & Forests, Govt. of West Bengal.
- f. Jana Chakrabarti, R.Chatterjee, S.K.Goswami, B.N. Chakravarty & S.N. Kabir. "Dynamic Secretary Profile of Leptin and Its Impact on Pregnancy Outcome in Women Undergoing Controlled Ovarian Hyperstimulation". 4th. World Congress on Mild Approaches in Assisted Reproduction from January 14-16, 2011 organized by the International Society for Mild Approaches in Assisted Reproduction (ISMAAR), GD Institute for Fertility Research in association with Indian Institute of Technology, Kharagpur.
- g. Bhattacharya A, Biswas A and Das P K. Cyclic AMP response: A Modulator of Differentiation-coupled Induction of Resistance to Oxidative Damage in *Leishmania donovani* -Oral presentation in National level Conference on 'Microbiology: Developments and Challenges in Basic and Applied Research from April 6-7, 2011 organized by Ramkrishna Mission Vidyamandir, Belur.
- h. Bhattacharya A. attended UGC sponsored National-level Seminar on 'Modern Trends in Spectroscopy: Its application in Chemistry and Biology' Organized by Maulana Azad College and Indian Association for the Cultivation of Science from February 3-4, 2011.
- i. Bhattacharya A. attended UGC sponsored seminar on 'Present Scenario and future perspectives of Microbiology and Plant Biotechnology' Organized by Ashutosh College from March 9-10, 2011.

1. Staff List

A. Teaching:

Name of the faculties:

1. Timir baran Jha (Prof. & Head Department of Botany and Coordinator Department of Biotechnology)
2. Jana Chakrabarti
3. Bhaskar Gupta
4. Arijit Bhattacharya

Guest faculties:

1. Jukta Adhikara, Department of Botany, Presidency University
2. Madhubrata Choudhury, Department of Botany, Presidency University

3. Abhijit Datta, Department of Botany, Presidency University
4. Nirmal Sarkar, Department of Zoology, Presidency University
5. Subir Dasgupta., Department of Zoology, Maulana Azad College
6. Abhijit Dey, Department of Botany, Presidency University
7. Seemanti Ghosh, Department of Botany, Bethune College
8. Binay Chaubey, Department of Botany, Calcutta University
9. Shantanu Pal, Department of Botany, Guruda College
10. Sanjib Ghosh (Retd.), Department of Chemistry, Presidency University
11. Krishnadas Nandagopal Scientist, Manovikas Kendra, Kolkata
12. Arunima Biswas, CSIR Pool Officer, Jadavpur University

B. Vacant Teaching Posts : 2

C. Non-teaching:

Asish Maity and Abdul Shovan Khan

Department of Botany

News from the Department

Acharya Subodh Chandra Mahalanobis with the co-operation of the then Lieutenant Governor of Bengal Sir John Woodburn established the Department of Botany at Presidency College, Kolkata in the year 1900. Since then the department has been offering Botany Honours course. It is also a matter of great pride that the University of Calcutta started their postgraduate course in this department in the year 1912 and continued up to 1918 and reintroduced it jointly from 1952. At the onset of the new millennium (2001-2002) the department was permitted to start independent postgraduate course in Botany and within couple of years (2004-05) was granted academic autonomy for the same. With the beginning of the new era the department has completely revised and upgraded the syllabus of M.Sc. Botany and introduced the new syllabus from the 2005-2006 academic session giving emphasis on the current trends and recent advancements in Plant Sciences. Continuous assessment system in practical papers, students' seminar and grand viva are some important features of the newly introduced PG syllabus. PG syllabus has been revised once again towards more modernization.

It is a matter of pride for all of us that the Department of Botany has been recognized as a **DST-FIST sponsored department by the Department of Science and technology, Govt. of India**, since 2003 and received successive grants of Rs. 35 Lakhs for the first phase (2003-2008) and Rs. 60 lakhs for the second phase (2009-2013). This grant has helped us immensely to strengthen our teaching and research both at the undergraduate and postgraduate levels.

Students' performance: The department has maintained its tradition in the performance of the students in the University examinations (University of Calcutta). The results published in 2011 are stated below:

Examination Number of students appeared Number of students obtained First Class

Examination	No. of students appeared	No. of students obtained First Class
M.Sc. Part- I	26	26
M.Sc. Part- II	23	23
B.Sc. Part- II	23	19
B.Sc. Part- III	24	17

Seminar organized by the Department and visitors to the Department:

Dr. Rajarshi Pal, Senior Lecturer & Scientist, Manipal Institute of Regenerative Medicine, Manipal University, Bangalore has delivered a seminar lecture on a topic entitled "Understanding the biology of stem cells and exploring their application in medicine" on the 16th August, 2011 at 3.00 PM.

Research Activities of the Department:**(a) Research projects**

Title of the Project	Principal & Co- Investigators	Funding Agency	Amount (Rs.)	Research Worker(s)
1. "Germplasm preservation and clonal propagation (RA) of medicinally important <i>Swertia</i> sp".	Prof. T.B. Jha	CSIR	16,63,272/-	Dr. Priyanka Mukherjee
2. "Detection and chemical analysis of myo-inositol biosynthesis in some vascular cryptogams under in vivo and in vitro conditions".	Dr. J. Adhikari (PI) Prof. T.B. Jha (Co-PI)	UGC	6,71,000/-	Anusuya Basak (JRF)
3. "Regulation of trehalose metabolism in <i>Saccharomyces cerevisiae</i> by protein	Dr. Sumita Ghosh UGC (PI) Dr. A.K. Ghosh (Co-PI)		6,69,800/-	Bipasha Bashistha (JRF)
4. A collaborative research in the field of Plant Biotechnology is going on with Dr. Seemanti Ghosh, Assistant Professor of Botany, Bethune College, Kolkata. Miss Anushree Das is working as JRF in this project on Banana.				

Ph.D. Award: Sm. Priyanka Mukherjee under the guidance of Prof. Timir baran Jha was awarded Ph. D. from the University of Calcutta in 2011.

Other Academic Activities:

Final year Post Graduate Students delivered seminar lectures based on the syllabus of NET examination during the period January to March 2011.

Department organized a number of Hands on Training course for the UG students of Botany under DBT Star College programme.

Biology Students from South City International School, Kolkata accompanied by their teachers visited our department on 10.12.2011.

The department has undertaken collaborative research programme with Calcutta University, West Bengal State University, IICB (Kolkata) and AMRI Hospitals.

Educational excursions: Like previous years, the Under-Graduate students participated in the educational excursions at different places of Lava, Kalimpong, Mungpoo and Darjeeling from 30.10.2011 to 06.11.2011, under the supervision of faculty members namely Dr. Timir baran Jha, Dr Animesh Ghoroi and Shri Abhijit Dey and supporting staff Md. Delambia.

Dr. Sumita Ghosh, Dr R. N. Bhattacharyya along with Shri Dibyendu Mazumdar visited Sunderban areas with the 1st UG batch of students admitted under Presidency University from 03.11.2011 to 05.11.2011.

Dr. Madhubrata Chaudhury, Dr. Tarit Kumar Sadhu, conducted an educational excursion with PGII students in different parts of South India from 30.11.2011 to 09.12.2011.

The objectives of such excursions were to understand and interact with the ecological biodiversities.

List of Publications by the Teachers of the Department:

- i. Basu, S. and Jha, T. B. (2011) In-Vitro propagation of *Chlorophytum nepulense* J. Trop. Med. Plants., vol. 12(1), p33-39
- ii. Das, A., Mukherjee, P., Ghoroi, A. and Jha, T.B. (2011) Comparative karyomorphological analyses of in vivo and in vitro grown plants of *Aloe vera* L.Burm.F. Nucleus (Springer), vol. 53(3), p. 89-94
- iii. Dey, A. and De, J.N. (2012) (Online 2011) Traditional Use of Plants against Snakebite in Indian Subcontinent: A Review of the recent literature. African Journal of Traditional, Complementary and Alternative Medicine, vol.

- 9(1) p. 153-174 [DOI: <http://dx.doi.org/10.4314/ajtcam.v9i1.20>. ISSN: 0189-6016]
- iv. Dey, A. and De, J.N. (2011) Traditional use of medicinal plants in pediatric and maternal care practiced by the ethnic groups of Purulia district, West Bengal, India. *International Journal of Medicinal and Aromatic Plants*. vol. 1(3): p. x-y [ISSN 2249-4340]
 - v. Dey, A., Mukherjee, S. and Das, T. (2011) In vitro Antibacterial activity of n-Hexane fraction of methanolic extract of *Plumeria rubra* L. (Apocynaceae) stem bark. *Journal of Plant Sciences*, vol. 6(3) p. 135-142 [DOI: 10.3923/jps.2011.135.142. ISSN: 1816-4951.
 - vi. Mukherjee, P., Varshney, A., Johnson, T.S. and Jha T. B. (2011) *Jatropha curcas*: A Review on Biotechnological Status and Challenges (Invited review). *Plant Biotechnology Reports (Springer)*, vol. 5(3) p. 197-215

Seminar, Lectures Delivered / Workshop attended as resource persons by Teachers:

- i. Dr. Jukta Adhikari acted as a 'Chairperson' (Session III) in the National Conference on "Emerging Trends in Natural Product Research" organized by the 'School of Natural Product Studies', Department of Pharmaceutical Technology, Jadavpur University, Kolkata on February 13, 2011.
- ii. Prof. Timir baran Jha has delivered an invited lecture on "Gene revolution" in the State Level UGC- Sponsored seminar on "Plant Biotechnology- A new Gene Revolution" organized by the Department of Botany, RKMVC College, Rahara, 24 Parganas in collaboration with the Department of Botany Presidency University, Kolkata on September 08, 2011.
- iii. Dr. Sumita Ghosh delivered a lecture on "Enhancement of Trehalose production by post-translational methylation of synthesizing enzymes in yeast" in the National Symposium on 'Advances in Abiotic and Biotic Stress Management of Plants' and 'East Zone Meet of Indian Society of Mycology & Plant Pathology' organized by the Department of Botany, North Bengal University on September 23-24, 2011.
- iv. Dr. Abhijit Datta has acted as a resource person in the workshop on Bioinformatics organized by the Department of Microbiology, Burdwan University, Burdwan on December 22-23, 2011.

Staff List:

A. Present faculty members:

- | | |
|----------------------------------|---------------------|
| (i) Timir baran Jha - | Professor and Head |
| (ii) Tarit Kr. Sadhu - | Associate Professor |
| (iii) Satadip Sarkar - | Associate Professor |
| (iv) Madhubrata Choudhury - | Associate Professor |
| (v) Jukta Adhikari | Associate Professor |
| (vi) Sukumar Sarkar | Associate Professor |
| (vii) Abhijit Datta - | Associate Professor |
| (viii) Rabindranath Bhattacharya | Associate Professor |
| (ix) Sumita Ghosh | Associate Professor |
| (x) Abhijit Dey | Assistant Professor |

B. Non-Teaching:

- | | |
|---------------------------|-------------------------|
| i) Sri. Tapan Kumar Datta | ii) Sri Tarun Kanti Roy |
| iii) Md. Delambia | iv) Sri Sukumar Barua |
| v) Sri. Dibyendu Majumder | vi) Sm. Bina Hela |
| vii) | Sri. Raja Hela |

Guest faculties:

- (i) S.C. Santra (Kalyani University)
- (ii) A. Mukherjee (Burdwan University)
- (iii) S. Roy (Visva-Bharati University)
- (iv) Samarendra Nath Ghosh (Retired Teacher)
- (v) Sital Chattopadhyay (City College, Kolkata)
- (vi) Animesh Ghorai (Retired Teacher)
- (vii) Subhendu Chaudhury (Bidhan Chandra Krishi Visvavidyalaya, Kalyani)
- (viii) Niranjan Bhattacharya (AMRI, Kolkata)

C. Vacant Position

- | | | |
|---------------|---------------|---|
| Teaching: | Professor -2, | Associate Professor/ Assistant Professor- 3 |
| Non-Teaching: | Group C 2, | Group D 2 |

Department of Chemistry and Biochemistry

News from the Department

The news in respect of student performance and progression, faculty structure and new facility during the year 2011 are highlighted as under:

- The department has maintained its tradition regarding performance of students in Calcutta University examination.

B.Sc. (Chemistry)

Part I examination Chemistry: appeared: 41 ; 1st class marks: 33 ; Highest marks in the University: NandiniKundu (92%). Biochemistry: appeared: 6 ; 1st class marks: 5; Highest: (82.5%).

Part II examination Chemistry: appeared: 41; 1st class marks: 21; Highest marks in the University: ShubhanipBiswas (88%). Biochemistry: appeared: 7; 1st class marks: 3; Highest marks in the University: DivyaBeri(77.5%).

Part III examination Chemistry: appeared: 39; 1st class: 28; Highest (80%). Biochemistry: appeared: 9; 1st class: 8; Highest (65%).

M Sc (Chemistry)

Part-I: appeared: 27; 1st class marks: 18. Part-II: appeared: 26; 1st class: 20; highest: 81.4%.

- 21 undergraduate students qualified in the JAM (IIT Entrance) examination. SoumyadyutiSamai secured 1st position. 4 students were selected in the integrated Ph D program of IISc, Bangalore, 1 in JNCASR, Bangalore and 1 in IACS, Kolkata.
- 12 postgraduate students have qualified in the NET CSIR/UGC examination.
- Four research scholars-DebdulalMaity (under Dr. G. Mukhopadhyay), ProdyutBasak(under Prof. S. Gangopadhyay), Krishna Biswas and Kaushik Gupta (under Dr. U.C. Ghosh) have been awarded their Ph D degree (Calcutta University).
- Dr. GautamChattopadhyay and Dr.Uday Chand Ghosh have retired from service on 30April 2011 and 30September 2011, respectively.
- A state-of-the-art Computation Lab with work station and software facilities (including structural analysis and molecular dynamics simulation) has been created with DST support (Rs. 16 lakh) under DST-FIST program.

Seminars organized

Date	Name of the Speaker	Institutional Address
26 September 2011	Dr. Kalyan Kumar Sadhu	Osaka University, Japan

Research Activities of the department

New Project

Project	Fellow	Funding Agency	Total amount (Rs)
Emeritus Fellowship	Prof. SanjibBagchi	UGC	5,80,000

Ongoing Project

Title of the project	Principal & Co	Funding Agency investigators	Amount (Rs) for the year	Research Worker
Folding studies on α -sheet proteins	Dipak K. Mandal	CSIR [08/155(0037)/ 2009-EMR-I]	2,58,000	Goutam Ghosh (SRF) Anisur Rahaman Molla (SRF/ Part-time) Pritha Mandal (JRF/ Part-time) Debasish Sen (JRF/ Part-time)
Studies on the synthesis of condensed heterocycles via alkynylation, arylation and olefination of suitable α -halo- α -unsaturated aldehyde intermediates	Gandhi K. Kar	CSIR [08/155(0040)/ 2010-EMR-I]	2,12,000	Moumita Rakshit (JRF) Faruk Hasan Shaik (SRF/ Part-time) Prasanta Patra (JRF/Part-time) Rumpa Das (JRF/Part-time) Tuhin Maity (Part-time)
Characterization and evaluation of some novel plant polymer gum as flame retardant and antioxidant additive for polymers	Arup K. Ghosh	UGC (ERO) F.PSW-073/09-10 (ERO)	30,000	-
Synthesis, characterization and evaluation of some polymer nano composites based on nanodimensional polyvalent transition metal mixed oxides.	Uday C. Ghosh (PI) Arup K. Ghosh Amitava De (SINP)	CSIR [01/2393/10- EMR-II]	4,14,000	Debabrata Nandi (JRF)
Synthetic nanostructure agglomerates of mixed metal oxides: arsenic sorption behavior and mechanism in the presence of ions occurring in groundwater.	Uday C. Ghosh	CSIR [09/028(08112010- EMR-I]	2,72,000	Tina De (SRF)
Polymer inorganic hybrid nanocomposites-preparation, characterizations and their potential as nanodielectrics	Mukul Biswas	CSIR [01(2342)/09- EMR-II]	3,32,000	Ipsita Halder (JRF)
Photoinduced energy transfer, photophysical aspects, and docking studies of biomolecules and their interaction with other molecules.	Sanjib Ghosh	DST, Govt. of India [SR/S1/PC- 57/2008]	8,58,000	Pinki Saha Sardar (RA) Manini Mukherjee (JRF) Anirban Pal (Part-time)
Photoinduced electron transfer, energy transfer and related photophysical aspects of some biomolecules and supramolecular systems, π -charge transfer complexes	Sanjib Ghosh	CSIR [01(2142)/07/ EMR-II] <i>Completed:</i> March, 2011	83,000	Sugata Samanta
Photophysical aspects and docking studies of bio-molecules with emphasis on photoinduced energy transfer	Sanjib Ghosh	CSIR [08/155(0038)/ 2009-EMR-I]	2,44,400	Shymal K. Ghorai (JRF)

Title of the project	Principal & Co	Funding Agency investigators	Amount (Rs) for the year	Research Worker
Time resolved emission studies different temperatures in proteins and peptides at	SanjibGhosh	CSIR [08/155(0039)/2009-EMR-I]	2,44,400	Swarnakamal Samanta (JRF)
Synthetic studies on heterocycles	Gautam Chattopadhyay	CSIR [08/155(0033)/2007-EMR-I]	2,36,000	ParthSinha Ray (SRF)
DebnathSaha (Part-time) Structure and magnetic studies of complexes derived from N,O donor ligands	Gurucharan Mukhopadhyay	-	-	AnanyaMondal (Part-time)
Studies on noble metal-biomolecule complexes- Evaluation of their action on bacteria and tumor cells.	Snigdha Gangopadhyay	-	-	Dolon Sengupta (Part-time)

1. Other Academic Activities:

Celebration of International Year of Chemistry-2011

Date	Speaker	Institutional Address
14 December 2011	Prof. Debashis Mukherjee Chair Professor	Raman Centre for Atomic, Molecular and Optical Sciences, IACS, Kolkata
	Prof. Amalendu Chandra	IIT, Kanpur
	Prof. Shital K. Chattopadhyay	Kalyani University
	Dr. AbhishekDey	IACS, Kolkata

15 December 2011 16th CHEMI-QUIZ
(Inter-college Chemistry Quiz)

On 14 & 15 December, Poster Session was organized with 12 poster presentations. Undergraduate and postgraduate students exhibited four posters on the theme of International Year of Chemistry 'Chemistry- our life, our future', and research scholars presented eight posters highlighting the research activities of different research groups.

List of Publications:

- Mandal, P., and Mandal, D. K. (2011) Localization and environment of tryptophans in different structural states of concanavalin A. *J. Fluoresc.* 21, 2123-2132 (Impact Factor: 1.996)
- Sen, D., and Mandal, D. K. (2011) Pea lectin unfolding reveals a unique molten globule fragment chain. *Biochimie*, 93, 409-417 (Impact Factor: 3.787)
- Das, R, Shaik, F. H., and Kar, G. K. (2011) Short and general method for the synthesis of 2-halocycloalk-1-enecarboxylic esters from 2-halocycloalk-1-enecarbaldehyde. *Indian J. Chem.*, 50B, 299-303 (Impact factor: 0.562).
- Patra, P, Kar, G. K, Sarkar, A, Ray, J. K., Dasgupta, T, Ghosh, M., and Bhattacharya, S. (2011) N-Aryl modification in α -lactam: Design and synthesis of novel monocyclic α -lactam derivatives as inhibitor for bacterial propagation. *Synth. Commun.* (in press) (Impact factor: 1.058).
- Samanta, K, Sarkar, A. K., and Kar, G. K. (2011) Pyrolysis of calcium salt of alkoxybenzoic acids fails to produce diarylketones: An unusual observation. *Synth. Commun.* (in press) (Impact factor: 1.058).
- Maity, D., Chattopadhyay, S., Ghosh, A. Drew, M.G.B. and Mukhopadhyay, G. (2011) Synthesis, Characterization and X-ray crystal structures of a mono- and a penta- nuclear Ni(II) complex with oxymet Schiff base ligands. *Inorg. Chim. Acta.*, 365, 25-30 (Impact Factor: 1.918)
- Giri, S., Maity, D., Godsell, J.F., Mukhopadhyay, G., Roy, S., Saha, S.K., and Ghosh, A., (2011) A new tetra nuclear copper (II) complex with oxymet bridges: structure, magnetic properties and DFT study.

- Inorg.Chim.Acta.,377(1), 99-104 (Impact Factor:1.918)
8. Ghosh, P., Shit, A., Chattopadhyay, S., Ray Chaudhuri, J (2011) A microscopic model for noise induced transport: Heat bath nonlinearly driven by external white noise. *Chaos*, 21, 013117-013126.
 9. Ghosh, P., Shit, A., Chattopadhyay, S., Ray Chaudhuri, J (2011) Asemiclassical approach to explore the bistable kinetics of a Brownian particle in a nonequilibrium environment. *J. Stat. Mech.*, doi:10.1088/1742-5468/2011/02/P002026.
 10. Chakraborty, B., Bose, A. and Basu, S. (2011) Electron transfer and hydrogen abstraction in biologically relevant systems, In: Stass, D.V.and Feldman, V.I.(Editors) *Selectivity Control and Fine tuning in High-Energy Chemistry*, Research Signpost, Trivandrum, p. 93-116.
 11. Halder, I., Kundu, A., Biswas, M. and Nayak, A. (2011). Preparation and evaluation of a poly (N-vinylcarbazole)/Fe₃O₄ (PNVCF₃O₄) nanocomposite. *Materials Chemistry and Physics*, 128, 256-264 (Impact Factor: 2.353)
 12. Halder, I., Biswas, M. and Nayak, A. (2011). Microstructure, dielectric response and electrical properties of polypyrrole modified (poly N-vinyl carbazole/Fe₃O₄) nanocomposites. *Synthetic Metals*, 161, 1400-1407 (Impact Factor: 1.871)
 13. Mukherjee, S., Gangopadhyay, S., Basak, Zangrando, S. and Gangopadhyay, P.K., (2011) Synthesis, Characterisation, and structures of Ni(II) and Palladium (II) complexes of aromatic thiohydrazides, *J. Coord.Chem*, 64, 3700-3710 (Impact factor: 1.932)
 14. SahaRoy, A., Saha, P. Mitra, P., Maity, S., Ghosh, S. and Ghosh, P., (2011) Unsymmetrical diimine chelation to M(II) (M = Zn, Cd, Pd): atropisomerism, pi-pi stacking and photoluminescence, *Dalton Trans.*, 40, 7375-7384 (Impact Factor: 3.647)
 15. Ray, P. S., and Chattopadhyay, G. (2011) Facile Method for the Conversion of Semicarbazones / Thiosemicarbazones into Azines (Under Microwave Irradiation) and Oxadiazoles (by Grinding). *Synth.Commun.* 41, 2607-2614 (Impact Factor: 1.058)
 16. Ray, P. S., and Chattopadhyay, G. (2011) Hydrazine-hydroquinone complex as an efficient solid Phase hydrazine Donor: high yield synthesis of luminol and isoluminol. *J. Chem. Res.*, 326-328 (Impact Factor: 0.61)
 17. Gupta, K., Bhattacharyya, S., Mukhopadhyay, A., Biswas, H.S., Datta, J., Ray, N.R. and Ghosh U.C. (2011) Ceria associated manganese oxide nano particle: Synthesis, characterization and arsenic(V) sorption behavior. *Chemical Engineering Journal*, 172, 219-229 (Impact Factor: 3.1)
 18. Debnath, S., Nandi, D. and Ghosh, U.C. (2011) Adsorption desorption behavior of cadmium(II) and copper(II) on the surface of nanoparticle agglomerates of hydrous titanium(IV) oxide. *Journal of Chemical & Engineering Data*, 56, 30213028. (Impact Factor: 2.1)
 19. Debnath, S. and Ghosh, U.C. (2011) Equilibrium modeling of single and binary adsorption of Cd(II) and Cu(II) onto agglomerated nano structured titanium(IV) oxide. *Desalination*, 273, 330342. (Impact Factor: 1.9)
 20. Basu, T. and Ghosh, U.C. (2011) Influence of groundwater occurring ions on the kinetics of As(III) adsorption reaction with synthetic nanostructured Fe(III)Cr(III) mixed oxide., *Desalination*, 266, 2532 (Impact Factor: 1.9)
 21. Basu, T. and Ghosh, U.C. (2011) Arsenic (III) removal performances in the absence/presence of groundwater occurring ions of agglomerated Fe(III)-Al (III) mixed oxide nanoparticles. *Journal of Industrial & Engineering Chemistry*, 17, 834844. (Impact Factor: 2.15)

Seminar, Lectures Delivered:

Achintya K. Sarkar

1. Refresher Course in Chemistry: Fundamentals and Advances. Jadavpur University in January 2011. Title: Entrancing facets of Molecular Manifestations.
2. International Year of Chemistry, Theme: Advances in Chemical Sciences and its impact in our lives. Department of Chemistry, Jadavpur University in March, 2011. Title: A Glimpse at the intellectual heritage of Organic Chemistry.
3. Department of Botany, Calcutta University. Title: IR & NMR Spectroscopy of Biomolecules.
4. Refresher Course in Chemistry at Calcutta University in July 2011. Title: Transition metal complexes as catalysts in the Functionalisation of alkenes.
5. DST-Inspire Science Camp. Mentor cum Speaker at National Institute of Science and Technology, Berhampur, Orissa in October, 2011. Title: A Glimpse at the Intellectual Heritage of Organic Chemistry.

Staff List:

A. Teaching Faculty:

Dipak Kumar Mandal (HOD)
Achintya Kumar Sarkar
Gandhi Kumar Kar
GurucharanMukhopadhyay
SubrataSaha
Arup Bandyopadhyay
Sk. Abdul Gani
JyotiNath Paul
Tista Dasgupta (Bhattacharyya)
AmitaKar
SamrajneeDutta
Arup Kumar Ghosh
DilipMaji
PradiptaGhosh
Adity Bose

B. Non Teaching Members:

Sushanta Kumar Roy
RintuDey
KhagendraNath Jana
Ashok Kumar Nayak
ShyamSundar Prasad
GoutamDutta
Kartick Chandra Das
SushamaBarik
Raj Kumar Ghosh
BiplabSarkar
Radha Hela
Ram Narayan Hela

Emeritus Fellow (UGC) : Prof. SanjibBagchi

Guest Faculty (PG Teaching and Research):

MukulBiswas, Ex-Professor, IIT, Kharagpur
SnigdhaGangopadhyay, Ex-Professor, Presidency College
SanjibGhosh, Ex-Professor, Presidency College
GautamChattopadhyay, Ex-Associate Professor, Presidency University
Uday C. Ghosh, Ex-Associate Professor, Presidency University

Guest Faculty (PG Teaching):

PriyalalMajumdar, Ex-Professor, Calcutta University
HimangshuRanjan Das, Ex-Professor, Presidency College
PijushKantiGangopadhyay, Ex-DPI, Govt. of West Bengal
Prasanta Kumar Bhaumik , Ex-Reader, Presidency College
BhibutiBhusanMaji, Ex-Reader, Presidency College
ManjuChakraborty, Ex-Head, Department of Chemistry, Bethune College
SanjibGanguly, Associate Professor, St.Xaviers College
Asoke Banerjee, Ex-Reader, Surendranath College
Tapas Roychowdhury, Associate Professor, Charu Chandra College
RathinGhosh, Associate Professor, RKMR College, Narendrapur
Sitangshu Bhattacharyya, Associate Professor, City College
ArnabHaldar, Assistant Professor, SibpurDinabandhu College

Guest Faculty (UG Biochemistry):

Arijit Bhattacharyya, Biotechnology Department, Presidency University
Bhaskar Gupta, Biotechnology Department, Presidency University

C. Vacant Position:

Chemistry : Professor: 3
Associate Professor / Assistant Professor: 3
Biochemistry : Professor: 1
Associate Professor / Assistant Professor: 4
Nonteaching Staff : Group C:1: Group D:9

Department of Economics

News from the Department

The Department of Political Economy and Political Philosophy was created in 1908. The title was changed to the Department of Economics and Political Science following a similar change initiated for the M.A. course in Calcutta University in 1932. In 1960 the University adopted a new syllabus for the three year degree course when Economics and Political Science became two separate subjects and the department at the College also split into two departments: Economics and Political Science. In 2002, the department of Economics began to teach a brand-new post graduate course in Applied Economics, autonomous of Calcutta University. In July 2011 the first batch of Economics (Major) students of Presidency University began their course and in September 2011 the first batch of M.Sc. Applied Economics students of Presidency University began their course as well.

Undergraduate students from this department performed well in the Calcutta University Examinations, maintaining the tradition. This year the first position was taken by Puja Kankrania, second position by Radhika Didwania and the third by Ankita Sinha in the B.Sc. Economics (Honours) Final Examination of the Calcutta University. Many of our students got selected in the best institutes in India like Indian Statistical Institute (Kolkata and Delhi), Delhi School of Economics and the Jawaharlal Nehru University.

The results of our Post Graduate Applied Economics students was very good this year and the number of first classes in close to 100%. Three of the outgoing second year Post Graduate students have already been placed in I.I.S.B.C. (Kolkata) as business analysts, three in Mu-Sigma (Bangalore), four in Genpact (Bangalore) and one in Redwood Associates. Off-campus one has got a job as a P.O. in Allahabad Bank. Hence many of our Post Graduate students will have lucrative job offers with them long before they pass out with a Post Graduate degree in Applied Economics.

Students' Performance

Examination	No. of Students appearing	No. of students getting first class
B.Sc. Part I	40	28
B.Sc. Part II	40	30
B.Sc. Part III	39	21
M.Sc. in Applied Economics Part I	25	25
M.Sc. in Applied Economics Part II	23	23

The students of the Department have also excelled in extra-curricular activities. The performance of our students in the Confluence 2011 at Saint Xavier's College, Kolkata, has been very good. Our students have topped in the paper presentation sessions on two topics and overall we have also taken the second position after Saint Xavier's College, who has emerged as winners.

The department always encourages interaction with other academic institutions. While teachers from other reputed institutions such as IIMC, Calcutta University, WBUT take classes at the department, teachers from this department (Mousumi Dutta, Mahuya Chakrabarti and Gagari Chakrabarti) use to take honorary classes in Calcutta University and WBUT.

Seminars/Workshops Organized by the Department

Debnarayan Sarkar, Secretary, CES organized Dipak Banerjee Memorial lecture on 5th January, 2011. Professor Maitrish Ghatak of London School of Economics delivered the lecture. Gagari Chakrabarti organized a two-phased workshop on "Advanced Financial Economic Theory and Financial Econometrics" for post-graduate Applied Economics students. The second phase of this workshop was held on 13th January, 2011. Prof. Anjan Chakrabarti (CU) was invited to speak on Global Financial Crisis and Mr. Chitrakalpa Sen (GD Goenka World Institute, Lancaster University, Gurgaon) showed application of software on financial data.

A two-phased workshop on "Advanced Topics in Cross Section and Time Series Econometrics - Theories and Applications" was organized by Mousumi Dutta during 2010-11 for post-graduate Applied Economics students. The second phase held on 17th -18th February, 2011. Honourable Vice-Chancellor, Presidency University, Prof. Amita

Chatterjee delivered the inaugural speech. Prof. Amita Majumder (ERU, Indian Statistical Institute, Kolkata) delivered lecture on 'Treatment/Project Evaluation using Cross Section Data', Prof. Jyotsna Jalan (Centre for Studies in Social Sciences, Kolkata) spoke on 'Dynamic Panel Data Analysis' and Dr. Zakir Husain (Associate Professor, Institute of Economic Growth, Delhi) explained theoretical aspects and applicability of 'Discriminant Analysis'.

Mousumi Dutta organized an INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH (ICSSR) and RESERVE BANK OF INDIA funded capacity building workshop on "Applied Econometric Analysis" from 8th-14th September, 2011 with an objective to enhance quantitative skills among the researchers and students involved in applied researches in Economics. Prof. Amitava Bose of Indian Institute of Management, Calcutta inaugurated the Workshop. Eminent resource persons like Prof. Dipankar Coondoo, Prof. Nityananda Sarkar, Prof. Samarjit Das, Prof. Diganta Mukherjee of Indian Statistical Institute, Kolkata; Dr. Kumarjit Madal of Calcutta University; Prof. Ranajay Bhattacharya of Indian Institute of Foreign Trade, Kolkata; and of and Dr. Zakir Husain of Economic Growth, Delhi took theory and practical classes in the workshop. Valedictory Address was given by Prof. Sarmila Banerjee of Calcutta University. Participants included officers from RBI, faculty members from under-graduate colleges and management institutes, and doctoral Fellows from IIMC, XLRI, Economics Department of Calcutta University, Economics Department of Presidency University and post-graduate students of Applied Economics of Presidency University.

Mousumi Dutta organized a Lecture Series in Economics in November, 2011. Prof. Anup Kumar Sinha of Indian Institute of Management, Calcutta delivered illustrious lectures on 'Land, Agriculture and Economic Development - Historical Experiences', 'The Global Economy and Financial Crisis - Implications for India' on 2nd November, 2011. On 5th November, 2011, Prof. Anup Kumar Sinha and Prof. Runa Sarkar of Indian Institute of Management, Calcutta gave lectures on 'Climate Change - A Perfect Storm?' and 'Sustainable Development - What does it mean for Government Policies and Firm Strategies?' The objective of organizing the lecture series was to enlighten the undergraduate and post graduate students of the department regarding current socio-economic crisis around the world with special emphasis on its impact in India.

Amitava Chatterjee organized a visit of Mr. Breare-Hall, Student Recruitment Manager of the London School of Economics at Presidency University on 5th December, 2011. He talked with the third year Economics (Honours) students for quite some time on career prospects at the London School of Economics.

Debnarayan Sarkar, secretary, CES, organized a seminar to celebrate 75th Anniversary of publication of the book, "The General Theory of Employment, Interest and Money" by J.M. Keynes on 13th December, 2011. Prof. Mihir Kanti Rakshit, Director, Monetary Research Project, ICRA, Prof. Amitava Bose of Indian Institute of Management, Calcutta and Prof. Pradip Maity of Indian Statistical Institute, Kolkata analyzed different aspects of Keynesian Theory in the seminar.

A UCO Bank sponsored Four-day National Level Capacity Building Workshop on Financial Economics was organized by Gagari Chakrabarti during 14th-17th December, 2011. The workshop was intended to bridge the gap between existing theory and applications in the area. Apart from the students of PG Applied Economics, researchers and teachers from different government and non-government colleges and universities attended the workshop. The inaugural speech was delivered by Mr. Arun Kaul, CMD, UCO Bank. The workshop had the privilege to have, as resource persons, Mr Anil Yadav (AGM, RBI, Sikkim), Mr. Siddhartha Chatterjee (Country Head, Trustline Academy), Dr. Byasdeb Dasgupta (Kalyani University), Dr. Indranil Mukherjee (WBUT), Prof. Ashok Banerjee (IIM Calcutta), Prof. Basabi Bhattacharyya (Jadavpur University) and Mr. Chitrakalpa Sen (GD Goenka World Institute, Lancaster University)

Research Activities in the Department:

Projects

Title of the Project	Principal and Co-Investigators	Funding Agency	Amount
Analyzing nature of demand for medical care in India: A micro-level analysis (2010-11)	Mousumi Dutta (Principal Investigator)	ICSSR	Rs. 30,000
Socio-economic implication of HIV/AIDS and Benefits of Action: A Study of Households with particular reference to Transport Sector in West Bengal (2009-10)	Debnarayan Sarker (Principal Investigator)	UGC	Rs. 1,42,000

Bikash Kumar Ghosh (UGC-NET completed Teacher fellow) who is working on "Milk Production in West Bengal: The Implications of Cooperatives" under the supervision of Debnarayan Sarker has given final public seminar at University of Calcutta on August, 2011 and his thesis has been recommended for submission for Ph.D. degree. Another registered Ph.D. student working under the guidance of Prof. Sarker is Debraj Das [UGC-SET 2008, State-funded Junior Research Fellow (full-time)] who is working on "Political Determinants of Economic Performance". The unregistered fellows working under supervision of Prof. Sarker are Indrani Basu [UGC-SET 2008, State-funded Junior Research Fellow (full-time)] working on "Morphology of Rural Industries: An Implication on West Bengal State"; Mala Bhattacharyya of Raja Peary Mohan College, Uttarpara, Hoogly, working on "The Study of Socio-economic Issues of HIV/AIDS of Young Married Women" and Dipanwita Gunguly, working on "Technological Impact on Traditional Fishermen: A study in West Bengal".

Ms. Mouli Sanyal of New Alipore College has successfully completed her course work this year from Economics Department, Calcutta University and pursuing her Ph.D. dissertation on Demand for Health Care Services in India under the supervision of Mousumi Dutta. Ms. Anusua Halder is pursuing her M. Phil dissertation under the guidance of Dr. Dutta from Calcutta University. Title of her dissertation is "Is health care a necessary or luxury? Parametric and non-parametric estimation of income elasticity from NSS data in India"

Mr. Soumya Saha received M.Phil degree in 2011 from School of Management and Sciences, WBUT under supervision of Gagari Chakrabarti. The title of his dissertation has been "Volatility Spill Over between Foreign Exchange Market and Stock Market around the Financial Crisis of 2007 and 2008: Indian Evidence". Mr. Chitralpa Sen submitted PhD thesis titled "Indian Foreign Exchange Market: A Study into Volatility and Regime Switch" from School of Management and Sciences, WBUT in 2011 under joint supervision of Gagari Chakrabarti and Prof. Amitava Sarkar, Director, School of Management and Sciences, WBUT.

List of Publication by Teachers of the Department

Publication in Journals

- Chakrabarti, G.** (2011) Financial crisis and the changing nature of volatility contagion in the Asia-Pacific region. *Journal of Asset Management*, 12.
- Sen, C., Chakrabarti, G.,** Sarkar, A. (2011) Evidence of Chaos: A Tale of two Exchange Rates. *The Empirical Economics Letters*, 10.
- Chakrabarti, G.** (2011) An Empirical Study on IT Stock Price Movement in India. *The International Journal of Applied Economics and Finance*, 5(2).
- Chakrabarti, G.** and C. Sen (2011) Volatility Regimes and Calendar Anomaly in Foreign Exchange Market. *The International Journal of Applied Economics and Finance*, 5(2).
- Saha, S.** and Chakrabarti, G. (2011) Financial Crisis and Financial Market Volatility Spill-over. *The International Journal of Applied Economics and Finance*, 5(3).
- Chakrabarti, G.** (In Press) Real Sector-Financial Sector Interdependence in Indian Context: An Investigation in terms of Performance of the Emerging New Economy Sector. *Finance India*, XXV(3).
- Dutta, M.** and Husain, Z. (2011) Balancing the present and the future: A study of contraceptive use in Calcutta's slums. *World Health and Population*, Vol. 12.
- Dutta, M.** and Husain, Z. (in press) Do slum dwellers have lower contraceptive prevalence rates: An analysis of current use pattern in Calcutta, India. *Asia-Pacific Population Journal*.
- Husain, Z.,** Mukherjee D. and Dutta, M. (in press) Self Help Groups and empowerment of women: Self-selection, or actual benefits? *Journal of International Development*.
- Dutta, M.,** Husain, Z. and Mukherjee D. and (in press) Are Women SHIG Members Economically More Empowered in Left-Run Municipalities? A study of urban self help groups in West Bengal. *Journal of Asia Pacific Economy*.
- Dutta, M.** and Roychowdhury, P. (2011) Regulation, governance and informality: an empirical analysis of selected countries. Munich RePEC, Germany, Paper No. 33775.
- Dutta, M.,** Husain, Z. and Ghosh, S. (2011) Contraceptive use among illiterate women in India: does proximate illiteracy matter? Munich RePEC, Germany, Paper No. 30790.
- Dutta, M.,** Husain, Z. and Saha, M. (2011) Gender disparities in primary education across siblings: is intra household disparity higher in regions with low child sex ratios? Munich RePEC, Germany, Paper No. 30791.
- Gupta, R.** (2011) Understanding the Relationship of Domestic and International Factors with Stock Prices in India: An

Application of ARCI. Academy of Accounting and Financial Studies Journal, Vol. 15.

- Gupta, R.** (2011) Consumerism in India: Inter State Variations in rural and Urban Sectors. *The Asian Economic Review*, Vol. 53.
- Gupta, R.** (2011) Commodity Derivative Market in India: The Past, Present and Future. *Analytique*, Vol. VI.
- Gupta, R.** (in press) Factors Affecting Stock Prices: The Linkage between Stock Market and Product Market. *Indian Journal of Finance*.
- Gupta, R.** (in press) Fertilizer Prices, Subsidy and Agricultural Prices: The Case of India. *Review of Development and Change*.
- Sarker, D.** (2011) Implementation of FRA in India: Critical Issues. *Economic Affairs*, Institute of Economic Affairs, Blackwell Publishing, Oxford, Vol. 31.
- Sarker, D.** and Sengupta, J. (2011) Caste and religious diversity on human capital outcome: evidence from India. *Humanomics*, Emerald Group Publishing, Vol. 27
- Sarker, D.** (2011) Moral Hazard Problem for Poor under Joint Forest Management Programme: Evidence from West Bengal in Indian Context. *Applied Studies in Agribusiness and Commerce*, University of Debrecen Faculty of Applied Economics and Rural Development, APSTRACT Agroinform Publishing House, Budapest, Vol.5.
- Sarker, D.** and De, S. (2011) Women's Empowerment through Self-help Groups and its Impact on Health Issues: Empirical Evidence', *Journal of Global Analysis*, Centre for Strategic Research Analysis, University of Birmingham, Vol.2
- Sarker, D.** and Das D. (2011) Institution of Politically Motivated Policy Certainty of Government on Economic Growth: A Study among Major Indian States. *Political Economy Journal of India*, Vol. 20.
- Sarker, D.** and Chakrabarti S. (2011) Gender Earning Differentials in Flower Trading Market in West Bengal: Capital constraints on Women's Income. *Indian Journal of Agricultural Economics*, Indian Society of Agricultural Economics, Vol.66.
- Sarker, D.** and Das D. (2011) Performance of Manufacturing Industry in Indian States : Who Loose and Why?. *The Journal of Institute of Public Enterprise*, Vol. 34.
- Sarker D.** (2011) Social and Economic Implications of HIV/AIDS: Evidence from India', *Man and Development*, Vol.33.
- Sarker D.** and Das Debraj (2011) Review of Prime Policy Objectives in West Bengal, *IASSI Quarterly*, Contribution to Indian Social Science, *Journal of Indian Association of Social Science Institutions*, Vol. 30.
- Sarker D.** and Chakraborti, S (2011) Market Integration, Competitiveness and Efficiency in Urban vs. Rural Markets: Male and Female Flower Trading Farms in West Bengal, *The India Economy Review*, Volume VII, Quarterly Issue. Ist January..
- Sarker, D.** and Chakraborty S. (2011) An Implication of Cooperative Management through Self-Help Group: Evidence from India', *Knowledge Hub*, Vol.VI.
- Sarker, D.** and Das, N. (in press) Does Gender Sensitive Joint Forest Management Programme Increase Women's Income? Evidence from West Bengal in Indian context *Journal of Social Science*, Anadolu University, Turke.
- Sarker, D.** (in press) Direct Cash Subsidy to BPL Families in India: Critical Issues. *World Economics*, *Journal of Current Economic Analysis and Policy*, Oxford.
- Sarker, D.** and Sengupta J. (in press) Caste and religious diversity on formation of social capital: A Field Survey in India and Measurement Issues. *Equality, Diversity and Inclusion: An International Journal*, Emerald Group Publishing, Vol. 30.
- Sarker, D.** and Das, N. (in press) Network Externalities under Social Capital: Lessons from Gender Sensitive Forest Management Programme in West Bengal. *Indian Economic Review*, Delhi School of Economics, Volume 46.
- Sarker, D.** (in press) Rajiv Gandhi Grameen Viduytikaran Yojana: Poor Performance in Attaining Rural Electricity Programme in India. *World Economics*, *Journal of Current Economic Analysis and Policy*, Oxford.

Books/Articles in Edited Books

- Chakrabarti, G.** and Sen, C. (In press) *Anatomy of Global Market Crashes: An Empirical Analysis*, Springer, ISBN 978-81-322-0462-6
- Dutta, M.** and Husain, Z. (2011) Determinants of crime rates: Crime Deterrence and Growth in post-liberalized India. in Sarkar D. N. (ed.), *Theory and Empirics of Economics in the Current Perspective*, Allied Publishers (P) Ltd., New Delhi.
- Gupta, R.** (2011) Consumerism in India: A Study Based on NSS Data, in D. Sarker (ed.), *Theory and Empirics of Economics in the Current Perspective*, Allied Publishers (P) Ltd., New Delhi.

- Sarker, D. [Edited (2011)] "Theory and Empirics of Economics in the Current Perspective", Allied Publication, New Delhi.
- Sarker, D. and Das, D. (2011) Impact of Policy Certainty on Economic Growth: A Study among Major Indian States, in R.K.Sen (edn.) 'Modern Indian Economy: Essays in Memory of Professor Alak Ghosh', Deep and Deep Publication, New Delhi, pp. 613-625.
- Sarker, D. (2011) 'Taxation, Income Distribution and Economic Growth in India: Principles, Theory and Empirics', in D. Sarker edn. Theory and Empirics of Economics in the Current Perspective, Allied Publishers Private Limited, New Delhi (Forthcoming).
- Sarker, D. and Das, D. (2011) 'Does Fiscal Reforms play a significant role in the disparity of Manufacturing Industries among Major Indian States?' in D. Sarker edn. Theory and Empirics of Economics in the Current Perspective, Allied Publishers Private Limited, New Delhi.
- Sarker, D., Mitra A., Sondhi L., and Mukherjee, S. (2011) 'The Impact of Inefficient institution on Health in India', in D. Sarker edn. Theory and Empirics of Economics in the Current Perspective, Allied Publishers Private Limited, New Delhi.
- Sarker, D., Dasgupta, A. and Basu, I. (2011) Empirics of Development Status in West Bengal: An Inter-District Study', in D. Sarker edn. Theory and Empirics of Economics in the Current Perspective, Allied Publishers Private Limited, New Delhi.

Paper Presentation in Seminar or Lecture Delivered in Workshops

1. Mousumi Dutta presented paper on "Do Slum Dwellers have lower contraceptive rates? An analysis of current use patterns in Calcutta, India", in 47th Annual in Conference of the Indian Econometric Society (IIES), Indore 6-8 January 2011.
2. Gagari Chakrabarti presented paper on "The efficacy of intervention in a chaotic foreign exchange market: an empirical study in INR-USD exchange rate series" in the International Finance Conference organized by IIM, Calcutta held during January 9 - 12 2011.
3. Rajnarayan Gupta delivered lecture on "Macroeconomic Theory and Policy" in Tech Mahindra in Pune, India, on 25th & 28th January, 2011.
4. Rajnarayan Gupta delivered lecture on "Managerial Economics" in Tech Mahindra in Mumbai, India, on 1st February, 2011.
5. Mousumi Dutta delivered a lecture on "Exploratory Data Analysis" in the UGC sponsored Refresher Course titled Laboratory Based Advanced Quantative Techniques in Economics organized by Department of Economics of Jadavpur University, Kolkata, on 24th February, 2011.
6. Amitava Chatterjee lectured on "Business Economics" in Tech Mahindra in Mumbai, India, on 27th February, 2011.
7. Amitava Chatterjee lectured on "Business Economics" in Tech Mahindra in Pune, India, on 1st March, 2011.
8. Gagari Chakrabarti presented paper on "Volatility Spill Over between Foreign Exchange Market and Stock Market around the Financial Crisis of 2007 and 2008: Indian Evidence" in the Annual Seminar organized by the Forum of Development Economics, Kolkata held during March 29-30, 2011
9. Amitava Chatterjee lectured on "Business Economics" in Tech Mahindra in Noida, India, on 20th May, 2011.
10. Rajnarayan Gupta delivered lecture on "Overview of Macroeconomics" in Tech Mahindra in Noida, India, on 20th May, 2011.
11. Mousumi Dutta delivered a lecture on "An overview of Cross Section Econometrics" in UGC sponsored Refresher Course in Economics held in Department of Economics, University of Calcutta, Kolkata on 16th July, 2011.
12. Debnarayan Sarker delivered lecture on 'Principles of Economic Theory and its Empirics on Progressive Utility Theory' organized by Renaissance Universal at 'Moulali Yubo Kendra', Kolkata -700014 on the 14th August, 2011.
13. Mousumi Dutta delivered a lecture on "Panel Data Analysis" in the ICSSR (ER) and RBI sponsored workshop on organized by the Department of Economics, Presidency University, Kolkata, held during 8-14 September, 2011.
14. Rajnarayan Gupta acted as judge in Students' Paper Presentation in the Confluence at St. Xaviers College, Kolkata, on 25th September, 2011.
15. Mousumi Dutta presented paper on "Hospitalization Demand, SES and Compliances: Evidence from NSS" in Indian Health Economics and Policy Association, Ministry of Health and Family Welfare (Govt. of India), World

Health Organization, UKaid and World Health Organization organized conference at Institute of Economic Growth, Delhi 18-19 November, 2011.

16. Mousumi Dutta delivered a lecture on "Principal Component Analysis Theory and Applications" in the workshop on Multivariate Statistical Analysis with Software Applications organized by the Economics Department, University of Calcutta, Kolkata, 1-3 December, 2011.
17. Debnarayan Sarker delivered lecture on 'Globalization and its Problems in the Perspective of Progressive Utility Theory' System' organized by Renaissance Universal at 'Kalamandir Basement Hall' Kalamandir, Kalamandir, on the 4th December, 2011.
18. Debnarayan Sarker chaired the paper presentation in the UGC sponsored state level seminar on "Macroeconomic Theory and Policy: Contemporary Indian Perspectives" organized by Department of Economics, Chandernagore College on 15 December, 2011.

Staff List

Teaching (full time)

Amitava Chatterjee, Head of the Department

Debnarayan Sarker, Secretary, CES

Debabrata Lahiri

Rajnarayan Gupta

Mousumi Dutta

Mahuya Chakrabarti

Gagari Chakrabarti

Indrani Nag Chaudhury

Guest Teachers

Anindya Sen, Professor of Economics, IIM, Joka, Kolkata

Soumendra Nath Sikdar, Professor of Economics, IIM, Joka, Kolkata

Amitava Sarkar, Professor, WBUT

Ranjanendra Narayan Nag, Associate Professor, St. Xavier's College

Kumarjit Mandal, Associate Professor, Economics Department, Calcutta University

Debabrata Mandal, (retired) Assistant Professor (Selection Grade), Presidency College

Non-Teaching

Subrata Kumar Das

Rita Das

Imam Rasul

Balmiki Prasad

Sakar Hela

Putul Chattapadhyay

Library

Librarian, CES and EPL: Vacant

Vacant Positions

WBSIES: 5

WBES: 2

Librarian: 1

Department of Geography

News from the Department :

The Department of Geography, Presidency University became operational from 1949-50 academic session with Prof. Dr. N. R. Kar as the Head, two Lecturers (Dr. A. B. Chatterjee and Dr. S. P. Dasgupta), one Demonstrator (Sri R. K. Basu), one Draftsman (Sri G. C. Roy) and one Bearer (Md. Ramzan Ali). Initially, intermediate, pass and honours courses were introduced with part - PG facilities. Seminar Library was set up in the late 1950s, which currently contains about 2000 titles and backvolumes of several national and international journals. The Geographical Institute, a society of the students and scholars was formed in 1970, which organizes seminar lectures, classroom debates, PG students' seminar, and holds inter-college geoquiz competition, map drawing contest, exhibition of field photographs, and annual reunion of its members. It also arranges short field trips, brings out wall magazine, photo corner, and bulletins. It also gives away prizes to the toppers in examinations. Full-fledged independent P.G. teaching began in 2001 and subsequently, academic autonomy was awarded and new syllabus with new vision was introduced in 2004. In 2010, under the Unitary University status, it organized two workshops to upgrade the undergraduate and postgraduate syllabi and the existing curriculum, and accordingly since the 2011-12 academic session UG and PG courses started functioning under the semester system with new syllabus. The department is well-equipped with learning resources, which are enhanced and enriched every year. Finally, it has a brilliant galaxy of alumni comprising eminent geographers working in several parts of India and abroad.

In 2011, Srabani Patra, Proma Roy, Ajoy Debnath, Joydeep Saha, and Debika Banerjee qualified the UGC NET JRF and Chandan Sarkar, Anu Rai, Partha Pratim Pramanik, and Sharmistha Chatterjee qualified the UGC NET. This year none of the B.Sc Part I Examinee got first class. In B.Sc Part II Examination, 15 out of 19 got first class with Nian Paul as the topper, and in B.Sc Part III Examination 4 out of 20 got first class with Saswata Pandey topping the list.

In M.Sc Part I Examination 15 out of 23 got first class with Sumana Nayak topping the list; and in M.Sc Final Examination, 21 out of 26 got first class with Anu Rai as the topper.

In 2011, Kamal Mondal, Proma Roy, Chaitali Dey, Debabrata De, Payel Bhattacharyya, Gautam Mondal, Priyanka Kundu, Chandra Chowdhury, Manab Mandal, Tushar Mandal, Sangita Chakraborty, Ashutosh Roy, and Sriparna Saha joined schools through SSC.

Amit Kaur, Souhardya Chakraborty, Emon Dastidar, Sumana Chatterjee, Arpan Paul, and Anuradha Chakraborty joined Management Programme in The CIPT, Ahmedabad. Ankita Siddhanta joined Advanced Study Programme in the IIPS, Mumbai. Raktim Ray joined Development Alternative, New Delhi as Executive: Habitat Planning and Policy Researcher. Madhubanti Ganguly joined Ph.D. Program in the Department of Geography, Georgia State University, USA. Srimati Moitra joined Ph.D. Program in LSE, UK. Sraboni Patra joined Ph.D. Programme in IIPS, Mumbai. Priyanka Banerjee joined Ph.D. Programme of the National Institute of Oceanography, Goa.

Seminars organized by the Department and Visitors to the Department

Speaker / Visitor	Institutional Address	Topic
Kakoli Saha	University of Kent, USA	An Object-oriented Approach to Automated Landform Mapping: a case study of drumlins
Ashis Sarkar	Presidency University, Kolkata	Landscape attributes, hierarchy and models
Priyank Pravin Patel	Aliah University, Kolkata	Influence of Scale on Drainage Basin Analysis
Amitava Chatterjee	Presidency University, Kolkata	Indian Economy: current scenario
Avijit Gupta	University of Wollongong, NSW, Australia	Effects of Global Warming on Large Tropical Rivers
Bandana Purkayastha	University of Connecticut, USA	- visitor -
Ajit Sil	Bhairab Ganguly College, Kolkata	Sabars of the Kangsabati Basin: a story untold

Research Activities of the Department (ongoing)

Title of the Project	Principal & Co-investigator	Funding Agency	Amount (Rs.)	Research Worker
Strategies of Economic Development of the Terai of Darjeeling district, West Bengal	Prof. M. M. Jana and Prof. Ashis Sarkar	UGC	9,92,400.00	Ms. Suvalaxmi Chatterjee

Other Academic Activities

Mr Samares De, a part time research scholar has been awarded Ph.D. Currently, there are 5 Full time (1 CSIR SRF, 1 UGC SRF, 1 CSIR JRF and 2 UGC JRF) and 14 Part time registered Research Scholars in the department working on various fields of geography like, geomorphology, flood management, watershed development, landuse studies, EIA studies, industry, sanitation, urbanisation, environmental issues, rural development, backward population, and disease ecology.

Supervisor: Ashis Sarkar

1. Mr. Priyank Pravin Patel of Aliah University (An Exploratory Geomorphological Analysis using Modern Techniques for Sustainable Development of the Dulung River Basin),
2. Ms. Mun Mun Nandy, UGC SRF (Problems and Development Prospects of the Cottage and Small Scale Industries in West Bengal - a case study of selected industries in Bishnupur and Bolpur),
3. Ms. Debasmita Biswas, WBES, ABN Sil College (Dynamics of Urban Sprawl - a comparative analysis of Barasat and Baruipur),
4. Mr. Abhijit Ghosh, CSIR SRF (Assessment of the Performance and Impacts of Small and Medium Irrigation Schemes in Purulia District, West Bengal - an ecosystem approach),
5. Mr. Gunadhar Manna, WBES, Barasat Govt. College (Habitat and Socio-economic Development of the ST Population of Darjeeling district, West Bengal - a geoenvironmental analysis), and
6. Ms Mahua Chatterjee, WBES, Lady Brabourne College (Urban Development, Industrial Diversification and Socio-Economic Impact on the Haldia Municipal Area of East Medinipur District, West Bengal).

Supervisor: Nandini Chatterjee

1. Ms.Soma Chatterjee (Environmental Issues Related to Mining in Jharia Coal Field Complex of Dhanbad District, Jharkhand),
2. Ms Mahua Bardhan (Changing Urban Environment and Development Scenario of Planned Towns: A Comparative Study of Bidhan Nagar and Kalyani Municipal Areas),
3. Mr. Suvradip Halder (Problem and Management of Floods in the Middle and Lower Kamla-Balan River Basin, India)
4. Mr. Sovan Chattopadhyay (Evaluation of Land Resource in Relation to Rural Development: A Case Study of Balasore District, Orissa),
5. Mr.Gouri Sankar Bhunia (An Appraisal of Environmental Determinants of the Disease Visceral Leishmaniasis (Kala-azar) using Remote Sensing and GIS: Case Studies of Vaishali and Muzaffarpur Districts, Bihar, India.

Supervisor: Sandipan Chakraborty

1. Ms. Sanghamitra Sarkar (Changing profile of population and land use and its impact on environment - an appraisal, Southern Sikkim, India),
2. Ms Moumita Seth (Hydro-Geomorphologic analysis, Restoration and sustainable management of Saraswati river corridor in West Bengal),
3. Ms. Kathakali Dutta, CSIR JRF (Impact of Fluvial Processes on Basin Morphology: an applied geomorphic analysis on land evaluation and restoration, the Diana river basin, Jalpaiguri, West Bengal),
4. Ms. Rekha Biswas, UGC JRF (Determinants of Watershed Development: an approach to physical and socio-economic bases of stream corridor restoration Neora river, Darjeeling and Jalpaiguri Districts, West Bengal),
5. Ms. Saumita Ghosh, Asstt. Prof., Hoogly Women's College (Land Utilization of Ajay-Mayurakshi Interfluvium in Birbhum District, West Bengal: determinants, evaluation, implication and restoration),
6. Ms. Sadhika Muarya (Economic and Socio-Cultural Impact of Mining: a case study of the Raniganj coal-belt, West Bengal),

7. Manjira Adhikari, UGC JRF (A Comparative Profile on Perspectives of Development: Patharpratima and Budge Budge II Blocks in South 24 Parganas, West Bengal).

List of Publications

Research Paper

1. Sarkar, A. and Patel, P. (2011): Topographic Analysis of the Dulung R. Basin, Indian Journal of Spatial Science, ISSN 2249 4316, 2 (1), pp 1 17.
2. Sarkar, A. (2011): Urbanization and City Size Distribution of West Bengal, India 1901 2001, Indian Journal of Regional Science, ISSN 0046 9017, 43 (1), pp9 16.
3. Bhunia G.S., Kesari, K., Chatterjee, N, Pal, D.K., Kumar,V., Ranjan A.& Das, P.(2011), 'Incidence of Visceral Leishmaniasis in the Vaishali District, Bihar, India : Spatial Patterns and Roles of Inland Water Bodies', Geospatial Health', International Scientific Journal of Geospatial Health, 5 (2), pp 205-215. Impact Factor 1.705 (2010).
4. Chatterjee (Dhole) S. and Chatterjee, N., (2011), 'Problems of Long Wall Mining in Moonidih Colliery of West Jharia Area, Jharia Coalfield Complex, Dhanbad District, Jharkhand, Ind. Journ. of Landscape Systems and Ecological Studies, 34 (1), pp 59-66.

Paper in edited Volume:

5. Sarkar, A. (2011): Nature and Management of Water Resources, in the Book Volume "Round the Globe" ed. by BBM, West Bengal, January 2011. pp11 22, The Earth Series, Kolkata 700 009.

Paper in special publication: Nil

Book:

6. Sarkar, A. (2011): Advanced Quantitative Geography, Orient BlackSwan, India (in Press)

Edited Volume: Nil

Seminar, Lecture Delivered / Workshop attended as Resource Person by Teachers

Ashis Sarkar

1. Chaired the Academic Session IV on 'Man and its Changing Landuse and Developmental Issues' in the National Seminar on 'Geography: Space, Time and People' organized by the Indian Geographical Foundation, Kolkata, February 11 13, 2011.
2. Presented a Paper on 'Urbanisation and Urban Sprawl: a case study of Barasat Municipality' in the Academic Session V on 'Development of Urbanisation and related problems, Rural Urban Continuum and Urban Sprawl' in the National Seminar on 'Geography: Space, Time and People' organized by the Indian Geographical Foundation, Kolkata, February 11 13, 2011, Abstract Volume: pp 81.
3. Delivered a Lecture as Resource Person on "Nature, Structure and Models of Landscape a geographer's perspective" in the Refresher Course in Earth Science with thrust area on 'Landscape Systems: Developmental Interface', organized by the Department of Geography & UGC Academic Staff College, University of Calcutta, 05 24 September, 2011 (13), Kolkata.
4. Delivered a Lecture as Resource Person on "Geography and the Geographer" in the "CTE Orientation Programme for in-service teachers of Secondary and Higher Secondary Schools", organized by the Post-Graduate Autonomous College of Teacher Education, Ramakrishna Mission Sikshanmandira, Belur Math, Howrah, September 15, 2011.
5. Delivered a Lecture as Resource Person on "Landscape attributes, hierarchy and models" in the Saturday Lecture Series (Presentation No. 2), organized by the Geographical Institute, Presidency University, Kolkata at 3-00 pm on September 17, 2011.
6. Presented a Paper on 'Resource Analysis from a Geographer's Perspective' in the National Seminar on 'Resource Management and Sustainable Development' organized by Department of Geography, East Calcutta Girls' College in Collaboration with NATMO, and DST, Kolkata, September 23 24, 2011.
7. Delivered a Lecture as Resource Person on "Urbanisation in India nature and development" in the PG Department of Geography, Bhairab Ganguly College, Kolkata at 11-00 am on November 11, 2011.
8. Delivered a Lecture as Resource Person on "Counterurbanisation nature, characteristics, social and environmental implications" in the PG Department of Geography, Bhairab Ganguly College, Kolkata at 11-00 am on November 18, 2011.

9. Presented a Paper as Resource Person in the Plenary Session on 'Environmental Degradation concept, classes and linkages' in the UGC Sponsored State Level Seminar on 'Environmental Degradation and Strategies for Conservation and Management' organized by the Department of Geography, Krishnanagar Govt. College, Krishnanagar, Nadia in Collaboration with WWF, Kolkata, November 24-25, 2011.
10. Chaired the Technical Session VI on 'Environmental Degradation and RS GIS' in the UGC Sponsored State Level Seminar on 'Environmental Degradation and Strategies for Conservation and Management' organized by the Department of Geography, Krishnanagar Govt. College, Krishnanagar, Nadia in Collaboration with WWF, Kolkata, November 24-25, 2011.
11. Chaired the Technical Session III on 'Population Growth, Resource Crisis and Livelihood Issues' in the UGC Sponsored National Seminar on 'Changing Environmental Scenario of Indian Subcontinent a geographical appraisal' organized by the Department of Geography, Rastraguru Surendranath College, Barrackpur in Collaboration with WBSU, Barasat, November 25-26, 2011.
12. Presented a Paper as a Panelist in the Plenary Session III on 'Role of Modern Geographical Knowledge in National Development' in the National Seminar on 'Changing Environmental Scenario of Indian Subcontinent a geographical appraisal' organized by the Department of Geography, Barrackpore Rastraguru Surendranath College, Barrackpur in Collaboration with WBSU, Barasat, November 25-26, 2011.

Nandini Chatterjee

13. Presented a Paper on 'Mining Landscapes and Changing Santal Livelihoods: Case Study of Pachmi-Hatgacha Area, Muhammad Bazar Block, Birbhum District, West Bengal', in the National Seminar on Geography: Space, Time and People' organized by Indian Geographical Foundation & Anthropological Survey of India, Kolkata, 11-13.02.2011
14. Presented a Paper on 'Surface Water Evaluation of the Brahmani River Basin, Jharkhand and West Bengal' in the National Seminar on 'Natural Resource Management' organized by the Department of Geography, University of Calcutta, 10-11 March, 2011.

Lila Mahato

15. Presented a Paper on 'Mapping and Analysis of Dulung River Basin with Integrated Water Resource Management (IWRM) Approach' in the UGC sponsored National Seminar on 'Resource Management and Sustainable Development' organized by East Calcutta Girls' College, Kolkata and NATMO on September 23-24, 2011.
16. Presented a Paper on 'The Livelihood dynamics of Junglemahal in West Bengal an analysis' in the National Seminar on 'Geography: Space, Time and People' organized by Indian Geographical Foundation in collaboration with Anthropological Survey of India, ministry of Culture, Kolkata, Feb 11-13, 2011.

Staff List

A. Teaching including Part-time and Guest Lecturers (Institutional Affiliation)

Full-time Teachers

1. Ashis Sarkar
2. Alak Ganguly
3. Sandipan Chakraborty
4. Nandini Chatterjee
5. Somdutta Das
6. Lila Mahato
7. Aritra Chakraborty

Part-time/ Guest Teachers

1. Bireswar Banerjee (retired: Calcutta University)
2. Pradip Kumar Mukhopadhyay (retired: WBES)
3. Priyank Pravin Patel (Aliah University)
4. Balen Basu (Geoscientist: OPSIS)

B. Non Teaching

1. Biren Bandopadhyay
2. Pradip Kumar Das
3. Kamalesh Mandal
4. Shila Rani Das (Ghosh)
5. Tapan Kumar Bhanja

C. Vacant Position

6. Vacant : WBSSES
7. Vacant : WBES
8. Vacant : WBES

Department of Geology

News from the department

In 1851, the establishment of Geological Survey of India in Calcutta signaled the dawn of geological exploration in this subcontinent. The need for trained Indian geologists was then felt strongly by the colonial rulers. On 17th July 1892, the Department of Geology was formally established for undergraduate and postgraduate teaching in Geology with Sir Thomas Holland of the Geological Survey of India as the first Professor of Geology.

The department remained a small one with only four full-time teachers until the middle of the twentieth century. Even in those early days the department established its tradition of dedicated teaching and pioneering research under stewardship of Prof. Hem Chandra Dasgupta, the first Indian Professor of Geology. Standing on that strong foundation the flare of academic achievement by the alumni of this department superseded geographic barriers to adorn the chairs of even many leading institutions abroad. As a recognition of its academic excellence the department came under the UGC-COSIST program in 1985, followed by the UGC Special Assistance Program in 1986. In the year 2004 the department came under the purview of the FIST Program of the Department of Science and Technology, Government of India. The department was declared as the Centre for Advanced Study in Precambrian Geology by the UGC in 2006. The department has successfully completed first phase of DST-FIST programme in 2009. In appreciation of the successful completion of the first phase of FIST programme, the DST has again recommended second phase FIST and sanctioned **Rs. 1.5 Crore** for the next five years. With this funding the department has further strengthened research and PG-teaching infrastructure with a state-of-the-art WDS-XRF spectrometer and more than twenty research-model petrological microscopes.

The UGC-sponsored CAS-programme (Centre for Advanced Studies) is now in its final year. The programme so far has been very successful and a peer-review team recently reviewed and expressed satisfaction over the quality of research publications and research carried out in the thrust area of "Precambrian Crustal Evolution & Metallogeny". The peer team also recommended additional funding of over Rs. 1 Crore originally sanctioned for five years under this programme.

The department is now well equipped with research level advanced instruments such as SEM-EDS, WDS-XRF, Isodynamic Mineral Separator, AAS, NIKON and LEICA-DMPLP petrological microscopes with digital image analysis software, Remote sensing Laboratory with ERDAS and ARC-INFO RS-GIS softwares and round-the-clock high-speed (6 Mbps) internet facility.

The department at present runs one undergraduate (Honours) programme and two autonomous postgraduate programmes in Applied Geology and Environmental System Management. The final results of both under graduate and post graduate students of this department are quite satisfactory. In the B. Sc. Part II and Part III Examinations of the University of Calcutta, this year, our students have scored the highest marks-both securing nearly 80%. In the B. Sc. Part I Examination, 21 out of 25 students secured first class (Highest marks being 78%). Highest mark obtained by our students in the M. Sc. Part I and Part II Examinations are 78% and 75% respectively.

The teachers of the department have international collaboration with scientists from foreign universities. Prof. Harendra Nath Bhattacharya, Head of the Department, is collaborating with Prof. D.R. Nelson, University of Western Sydney, Australia, and Prof. W. Alderman, University of Pretoria. This collaboration yielded a number of high-precision **U-Pb SHRIMP** zircon dates from different stratigraphic units of the Singhbhum craton. Prof. Bhattacharya is also collaborating with Prof. R. Large, CODES, University of Tasmania, Australia, in the sedimentological evolution and Base metal metallogenesis in the Aravalli craton. These projects have so far yielded high-precision isotope-geochemical data and a number of publications in peer-reviewed journals. He is also engaged in research project on metals and coal deposits of Cretaceous-Tertiary succession of Indonesia funded by a Kolkata-based Industrial house. Dr. Joydip Mukhopadhyay is collaborating with Dr. J. A. Tait, Grant Institute of Geology, University of Edinburgh, UK, and Dr. U. Zimmermann, University of Stavanger, Norway, in a joint programme on paleogeographic reconstruction of the Mesoproterozoic carbonate platforms of central India from paleomagnetic studies. Dr. Joydip Mukhopadhyay and Dr. Gautam Ghosh have started a new international collaborative research project on crustal evolution of eastern Indian Precambrian shield with Prof. Q. Crowley of the Trinity College Dublin, Ireland. Dr. Joydip Mukhopadhyay has been recently appointed as 'Visiting Professor' in the Department of Geology, University of Johannesburg, South Africa as

recognition of his longstanding scientific collaboration with colleagues from the University of Johannesburg. Dr. Mukhopadhyay and his collaborators from South Africa are credited with precise U-Pb SHRIMP age determination of the oldest true granite (3.58 Billion Year) on Earth, and also for identifying the old oldest greenstone rock (3.51 Billion Year, U-Pb SHRIMP) succession from the Indian subcontinent. They have also developed a conceptual model for the origin of major iron ore deposits of the world that has an important implication for the exploration and mining of iron ores. In recognition of the contribution in basic geosciences Dr. Joydip Mukhopadhyay has been awarded the '**National Mineral Award**' in 2010 by the Ministry of Mines, Govt. of India, New Delhi. Dr. Arijit Ray and Dr. D. K. Paul are collaborating with Prof. Gautam Sen, Florida International University, USA, in their joint research programme on the Late Mesozoic continental volcanism in the western parts of India. This collaboration yielded new Ar-Ar dates of 85 Ma for the alkaline magmatic suit from Kutch-Bhuj area so far undated. Dr. Sankar Bose has recently completed the prestigious JSPS postdoctoral fellowship and he is continuing his collaboration on high-grade metamorphic rocks of the Eastern Ghats Mobile Belt with his colleagues from Yokohama University, Japan. Prof. Tahar Aloui and Dr. Fredj Chaabani of Department of Geology, University el Manar, Tunis, Tunisia are collaborating with Sri Prabir Dasgupta of this department on reconstruction of Barremian paleogeography of Central North Africa.

Industry-Academia interaction is the emerging demand for future prospect of our country. Keeping this in mind department collaborates with a number of mining industries through joint field and workshop programmes. Prof. Harendra Nath Bhattacharya and Dr. Saradindra Chakraborty, after the successful completion of a project on identification of the source and cause of fluoride pollution in groundwater of Purulia District, have been assigned to explore the cause of the same problem in Bankura District by the Government of West Bengal. Dr. Alokesh Chatterjee and Dr. Ashis Bhattacharya have completed a major project on Coal-Fire Mitigation in the Jharia Basin funded by Coal India Limited. Dr. Chatterjee has also initiated a new programme on groundwater quality of Malda area. Recently Dr. Chatterjee and Dr. Bhattacharya have been awarded another research project on coal fire of the entire Damodar Valley Coal Field by the Chairman, Coal India Ltd. The fund sanctioned for the said work is around Rs. 1.6 crore. Dr. Joydip Mukhopadhyay and Dr. Gautam Ghosh actively collaborate with professionals of the TATA STEEL and ACC Ltd. in the areas of iron ore and limestone mining.

This department has a heritage of research activity in all major core branches of geology. The members of the faculty are maintaining this tradition with significant contribution in the field of Earth Science. Dr. Sankar Bose is working on evolution of lower crust from petrological study of high-grade metamorphic rocks of the Eastern Ghats Belt of India with special emphasis on the characterization of ultrahigh temperature (UHT) metamorphic process to unravel the crustal evolution of the Eastern Ghats Belt and its role in the Proterozoic accretionary processes involving extinct supercontinents Columbia, Rodinia and Gondwana. Some of the results are just published in highly reputed journals. The area of interest of Dr. Gautam Ghosh is mainly the microstructural evolution and deformation processes in low-medium grade metamorphic terrains (Proterozoic orogens and Archaean greenstone belts). He is presently working on the strain analysis and partitioning of strain data for understanding grain-scale deformation processes. Dr. Gautam Ghosh, Sri Prabir Dasgupta and Dr. Kalyan Halder have also taken a joint venture to work out the tectonosedimentary history of the Sub-Himalayan Subathu Basin in relation to the Himalayan orogeny. Sri Prabir Dasgupta is further carrying out experimental studies on the mechanism of synsedimentary deformation in his indigenous laboratory of experimental sedimentology. The area of interest of Dr. Gautam Kumar Deb is evolution of Archean-Proterozoic shear zones. He is presently working on the development of brittle-ductile transitional structures and tectonic evolution of the deformed granitoid bodies. Sri Nilanjan Dasgupta has the primary interest in the study of geometry and kinematics of the naturally deformed rocks and the study of their anisotropy of magnetic susceptibility (AMS). He is presently working on the deformed Meso-Proterozoic rocks of South Delhi Fold Belt and recently developed a numerical model of strain factorization. Besides his basic area of interest, the petrological evolution of the granulites of the Eastern Ghats. Dr. Supratim Pal has taken up a new venture to work out the probable genesis of albitites of Rajasthan. He is also engaged in working out the accretion event of the Eastern Ghats with Dharwar Craton from the study of petrological evolution of the amphibolite facies rocks of Khammam Schist belt. Dr. Kalyan Halder, working on the study of taxonomy and evolutionary palaeobiology of fossil mollusks, has recently reported sexual dimorphism, a poorly known phenomenon in nautiloids, in five Jurassic species from Kutch. Dr. Saradindra Chakraborty, working in collaboration with Dr. Subrata Ghosh of Physiology Department of this University on different aspects of environmental impacts and management, has recently published papers on the impact of fluoride contamination of ground water in Birbhum District and health risk assessment of the coal miners. Sri Arunava Basu is working on the fluoride contamination of ground water in the Purulia District. The department is proud to be associated with nine Emeritus scientists.

The teachers of the department also take active role as resource persons in digital course-wares produced by the

EMRC, Kolkata under the UGC-CEC country-wide classroom programmes.

The department is unique in a sense that it provides the platform for publication of research and review articles as well as a platform for the students and budding geoscientists. **Indian Journal of Earth Sciences** is published from this department by the **Indian Society of Earth Sciences**, a body of geoscientists for promoting Earth Science, first formed in this department during mid-seventies of the last century.

Besides their academic commitments, the members of faculty also play a leading role in the different aspects of administration and the development of the institution. Teachers of the department actively participate and take leading roles in various activities of the college. Sri Prabir Dasgupta is actively involved in infrastructure development including the campus network. He, along with Sri Arunabha Basu, Sri Nilanjan Dasgupta and Dr. Supratim Pal takes the leading role in the admission process. Dr. Kalyan Halder, Dr. Gautam Deb is actively involved in University Examination Programme. Sri Amit Ray leads the team responsible for the database management of the college. Dr. Joydip Mukhopadhyay served as the Secretary, Internal Quality Assurance Cell (IQAC) of the erstwhile Presidency College since 2006 and currently he is entrusted with the responsibility of 'Nodal Officer (Database)' of the Presidency University. Dr. Arijit Ray is taking active role in industrial training and placement of PG final year student in different organizations.

The department has produced more than twenty doctoral students in last two decades. Currently, eleven full-time scholars (JRF/SRF) and four part-time scholars are pursuing Ph D programme under the supervision of different faculty members of the department. At present the department has **19 research projects**. Dr. Piyali Sengupta, and Dr. Aditi Das, two Post-Doctoral Fellows under DST Women Scientist Research Scheme, are working under the supervision of Dr. Arijit Ray for last 5 years. They have published research papers in peer reviewed National journals and also participated in National Seminars. Recently Dr. Sampa Dutta has started to work as Post-Doctoral Fellow under DST Women Scientist Research Scheme with Dr. Joydip Mukhopadhyay.

Seminars held in the Department and visitors to the Department

Name of the Speaker	Institutional address	Topic
Prof. T. Bhattacharyya 26th Sept'11 --- 35th Prof. S. Ray Memorial lecture	Professor of Geology University of Calcutta, Kolkata	Active sea-floor above the mean sea level the Iceland Puzzle

Research Projects (on going)

Sl. No.	Title of the project	Name of the PI & Co-I	Funding Agency (Rs)	Fund	Research Fellow/Assistant
1.	Early Precambrian Crustal history of Singbhum and implication for the oldest rock	Prof. H.N.Bhattacharya & Prof. A. B. Roy	UGC Major	7,36,400	
2.	Identification of source and cause of fluoride pollution in groundwater of Purulia Dist, WB	Prof. H.N.Bhattacharya & Saradindra Chakrabarty	DST, WB	5,30,000	
3.	Evolution of Chitradurga and Hohenarsipur greenstone belt in the frame of Archaean granite-greenstone terrain of Karnataka	Prof. H.N.Bhattacharya Dr. A. Roy Dr. Supratim Pal Dr. B. Bhattacharya	DST	15,00,000	
4.	Sedimentological Controls On Uranium Mineralization In The QPC-Deposits Of The Southern Part Of The Daitari-Tamka Basin.	Dr. Joydip Mukhopadhyay, Dr. Gautam Ghosh	BRNS, DAE & AMDER, DAE)	23,42,000	
5.	Orogenic culmination and evolution of the Teesta dome in Sikkim-Darjeeling Himalaya	Dr. Sumit Roy and Dr. Alokesh Chatterjee	DST Major	18,78,000	

Sl. No.	Title of the project	Name of the PI & Co-I	Funding Agency (Rs)	Fund	Research Fellow/Assistant
6.	Tectonic implication of the pegmatitic granite exposed along the eastern margin of the Delhi Fold Belt, near Bayalan, Ajmer district, Rajasthan	Nilanjan Dasgupta	UGC-Minor	1,67,500	
7.	Petrological, geochemical and paleomagnetic studies of mafic dykes around Chaibasa, Jharkhand, India: Implication for Meso- to NeoProterozoic mantle processes in Eastern Indian Shield	Dr. Piyali Sengupta With Dr. Arijit Ray	DST	15,24,000	Women's Scientist
8.	Geology of platinum-nickel-chromium Phanerozoicon: resource evaluation and future potential.	Dr. S. K. Halder	DST USER	5,19,800	
9.	Mineralogical and Geochemical attributes of the magmatic rocks of Island belt, Kutch, Gujarat: implication on the early Deccan Volcanism and nature of subcontinental mantle.	Dr. Dalim K Paul Dr. Arijit Ray	DST	37,22,000	
10.	Ultramafic and mafic magmatism in India	Dr. D.K. Paul	INSA	1,50,000	
11.	Structural and tectonic control of Albitite related uranium mineralization and associated metallogeny in Northern Rajasthan	Dr. Sumit Roy & Dr. Supratim Pal	AMD- BRNS -DAE	14,06,650	Anupam Banerjee
12.	Brittle-ductile deformation of the Singhbhum Group of rocks, North Singhbhum Fold-Thrust Belt. Its implication on the Proterozoic evolution of the eastern Indian shield	Dr. G. Deb	UGC Minor	1,42,000	
13.	Geological Investigation of Kachchh Mainland Fault and associated features, Western India: Implication for fault development and seismicity.	Dr. Alokesh Chatterjee Dr. Asit Baran Roy Dr. Sumit Kumar Roy	Ministry of Earth Science	25,78,800	Jayasri Sinha
14.	Ground water prospect maps and ground water quality layer under RGNDWM ph-IV	Dr. Alokesh Chatterjee Dr. Asis Bhattacharya	ISRO	49,65,300	Soumyabrata Das, Tomogno Basu, Aditi Acharya, Ankita Nandi
15.	National geomorphological and lineament mapping 1:50000 scale	Dr. Alokesh Chatterjee Dr. Asis Bhattacharya	ISRO	27,86,400	Madhurima Sen and Shrestha Das
16.	Tectonothermal evolution of the Precambrian rocks occurring in Raghunathpur-Bero-Saltora region of Chhotonagpur Gneissic Complex in Purulia and Bankura districts, West Bengal	Dr. Alokesh Chatterjee Dr. Arijit Ray Dr. Supratim Pal	UGC- CAS		

Sl. No.	Title of the project	Name of the PI & Co-I	Funding Agency (Rs)	Fund	Research Fellow/Assistant
17.	Modern Mineralogy and its application in industry and environment	Dr. Swapna Mukherjee	DST	5,52,000	
18.	Mobilization of Archean craton during Proterozoic orogeny and its implication in crustal evolution: a case study across the Singhbhum Craton Eastern Ghats Mobile Belt boundary around Jajpur-Kamakhyanager, Orissa	Dr. Sankar Bose, G. Ghosh & Joydip Mukhopadhyay	CSIR	17,00,000	Saptarshi Mallick
19.	Structural and stratigraphic analysis of the successions between the Singhbhum Granite and Singhbhum Shear Zone in CKP, Chaibasa, Jagannathpur: Implications for tectostratigraphic evolution of Precambrian craton-mobile belt boundary	Dr. G. Ghosh & Dr. Joydip Mukhopadhyay		19,56,000	
20.	Sedimentary Provenance Analyses.. rock record	Dr. Joydip Mukhopadhyay and Dr. Sampa Ghosh (DST-WoS)	DST	24,05,000	
		TOTAL		3,15,61,850	

International Collaborations (ongoing)

Sl No.	Investigators	Collaborations	Project	Funding Agency
1.	Prof. H. N. Bhattacharya	Dr. D. R. Nelson, University of Western Sydney, Australia	Geochronology of Granitoids and metavolcanics of the Singhbhum craton	University of Wsetern Sydney, Australia.
2.	Prof. H. N. Bhattacharya	Prof. R. Large, CODES, University of Tasmania, Australia	Base metal Mineralization Modeling	CODES, University of Tasmania.
4.	Dr. Joydip Mukhopadhyay	Pof. NJ Beukes, University of Johannesburg, South Africa	Geology, Geochronology of BIF-hosted Precambrian Successions of India and South Africa of India	University of Johannesburg
5.	Dr. Joydip Mukhopadhyay	Dr. J. Tait, University of Edinburgh, UK & Dr. U. Zimmermann, University of Stavanger, Norway	Paleomagnetic Pole reconstruction for the Mesoproterozoic carbonate platforms of central India	University of Edinburgh, UK
6	Dr. Arijit Ray & Dr. D. K. Paul	Prof. G. Sen, Florida International University, Miami, USA	Earliest phase of Deccan Trap activity: A proposed petrologic, geochemical and isotopic investigations into the rock and mantle xenoliths from Kutch, India	DST-NSF Indo-US Collaboration

Sl No.	Investigators	Collaborations	Project	Funding Agency
6.	Dr. Joydip Mukhopadhyay & Dr. Gautam Ghosh	Trinity College, Dublin University, Ireland	Understanding Crustal Evolution of the Early Earth: The Singhbhum Craton	FEMS-TCD, Trinity College, Dublin University, Ireland
7.	Dr. Sankar Bose	Japan, JSPS Fellowship	Eastern Ghats Granulite	JSPS

Four (4) Research Fellows, namely, Susmita Guha, Priyanka Dey, Anurupa Basak and Lopamudra Dasgupta are carrying out research for their Ph.D under the University of Calcutta under CAS-UGC Project of the Department of Geology under the supervision of Prof. H. N. Bhattacharyya (2 fellows), Dr. Alokesh Chatterjee and Dr. G. Ghosh, Dr. Joydip Mukhopadhyay.

List of Publications (in Peer-reviewed Journals only):

Research Papers:

1. Bhattacharya, H. N., 2011, Field and Petrographic aspects of the Iron Ore Mineralizations of Gandhamardan Hill, Keonjhor, Orissa and their Genetic Significance accepted for publication in Journal of the Geological Society of India.
2. Bhattacharya, H. N. and Chakrabarti, S., 2011, Incidence of Fluoride in the Groundwater of Purulia district, West Bengal : A Geo-environmental Appraisal Current Science, , V. 101 (2), pp. 152-155.
3. Bose, S., Dunkley, D.J., Dasgupta, S., Das, K. and Arima, M., 2011, India-Antarctica-Australia-Laurentia connection in the Paleo-Mesoproterozoic revisited: Evidence from new zircon U-Pb and monazite chemical age data from the Eastern Ghats Belt, India. Geological Society of America Bulletin, doi 10.1130/B30336. (Impact Factor 3.101).
4. Chakrabarti, S. and Bhattacharya, H. N., 2012. Inferring the Hydro-Geochemistry of Fluoride Contamination in Bankura District, West Bengal : A Study Report, Journal of Geological Society of India (accepted for publication).
5. Das, K., Bose, S., Karmakar, S., Dunkley, D.J. and Dasgupta, S. 2011. Multiple tectonometamorphic imprints in the lower crust: first evidence of c. 950 Ma compressional reworking of older UHT metamorphosed aluminous granulites from the Eastern Ghats Belt, India. Geological Journal, 46, 217-239. doi. 10.1002/gj.1246. (Impact Factor 1.333)
6. Dasgupta, N., Mukhopadhyay, D. and Bhattacharyya, T. 2012, Analysis of superposed strain: A case study from Barr Conglomerate in the South Delhi Fold Belt, Rajasthan, India. Journal of Structural Geology, 34, p. 30-42.
7. Dasgupta, N, Pal, T., Sen, J., and Ghosh, T., (2011), Characteristics of pegmatoidal granite exposed near Bayalan, Ajmer district, Rajasthan, Journal of Earth System Sciences, 120(4), 617-626. doi:10.1016/j.jsg.2011.10.010.
8. Dasgupta, P. and Manna, P., 2011, Geometrical mechanism of inverse grading in grain-flow deposits: an experimental revelation. Earth-Science Reviews, vol. 104, 186-198. DOI: 10.1016/j.earscirev.2010.10.002. (Impact Factor: 6.942).
9. Karmakar, S., Bose, S., Basu Sarbadhikari, A. and Das, K., 2011. Evolution of granulite enclaves and associated gneisses from Purulia, Chhotanagpur Granite Gneissic Complex, India: Evidence for 990- 940 Ma tectonothermal event(s) at the eastern India cratonic fringe zone. Journal of Asian Earth Science, 41, p. 69-86, doi:10.1016/j.jseaes.2010.12.006. (Impact Factor 1.842)
10. Mukhopadhyay, Joydip; Ghosh, Gautam, Zimmermann, U., Guha, S. Mukherjee, T., 2011, 3.51 Ga bimodal volcanics-BIF-Ultramafic succession from Singhbhum Craton: implications for Paleoproterozoic geodynamic processes from the oldest greenstone succession of the Indian subcontinent. Geological Journal, John Wiley, UK, DOI: 10.1002/gj.1314. (IF: 1.5)
11. Ray, S. K., Neogi, S. and Chatterjee, A. 2011. A frontal thrust wedge of Lingtse gneiss: evidence of basement mobilization in the Teesta culmination zone of the Darjeeling-Sikkim Himalaya. Indian Journal of Geosciences, 65, p. 1-8.
12. Tait, J., Zimmermann, U., Miyazaki, T., Presnyakov, S., Chang, Q., Mukhopadhyay, J., Sergeev, S., 2011. Possible juvenile Palaeoproterozoic TTG magmatism in eastern India and its constraints for the evolution of the Singhbhum craton. Geological Magazine, Cambridge Univ. Press, v.148, 340-347 (IF: 2.5).

Paper in edited volume:

1. Bose, S., Das, K., Chakraborty, S., Miura, H., 2011; Petrology and geochemistry of metamorphosed basic intrusives from Chilka Lake granulites, Eastern Ghats Belt, India: implications for Rodinia breakup. In: Srivastava, R. (Editor) Dyke swarms: keys for geodynamic interpretation, Springer-Verlag, Heidelberg.

Participation in National/International Conferences/Resource Person:

Conference/Seminar/Workshop	Speaker/Contributor	Topic	Remarks
1. DST sponsored International Symposium, February 2-3, 2011 at Delhi University	Dr. Sankar Bose	International Symposium of Precambrian Accretionary Orogens	Abstract
2. GSI & SCCL sponsored Field Workshop on Godavari Basin, 17th-20th August, 2011 at Kothagudem	Dr. Gautam Deb	Proterozoic & Phanerozoic evolutionary trends and coal exploration & exploitation	Paper presentation
3. GSI-sponsored National Seminar on 'Mineral, Environment and Geoscience Assessment' 11-12 Aug, 2011, GSI, Bhubaneswar.	Dr. Joydip Mukhopadhyay and Dr. Gautam Ghosh	QPC-Hosted Uranium Mineralization	Paper presentation

PhD Scholars:

1. Susmita Guha
2. Priyanka Dey
3. Kalyan Chakrabarti (Part-time)
4. Brundaban Misra (Part-time)
5. Paramita Biswas (Part-time)
6. Bhaskar Ghosh (Part-time)
7. Anurupa Basak
8. Tanmoy Pramanik
9. Amitava Mukherjee
10. Lopamudra Dasgupta
11. Jayashri Sinha
12. Madhurima Sen
13. Damepaia S.M.Pdah
14. Anupam Banerjee
15. Saptarshi Mallick

Staff List:**A. Teaching****Full Time Faculty Members#**

1. Dr. Harendranath Bhattacharyya, Professor
2. Dr. Alokesh Chatterjee, Associate Professor
3. Dr. Joydip Mukhopadhyay, Associate Professor
4. Dr. Arijit Ray, Associate Professor
5. Dr. Gautam Ghosh, Associate Professor
6. Sri Amit Ray, Associate Professor
7. Sri Arunavo Bose, Associate Professor
8. Sri Prabir Dasgupta, Associate Professor
9. Dr. Kalyan Halder, Associate Professor

Emeritus Faculty

1. Dr. D.K. Paul, FNA
2. Prof. A. B. Roy, FNA
3. Prof. Asru K. Chaudhuri
4. Dr. Asis Bhattacharya
5. Dr. S. K. Halder
6. Dr. Sumit K. Roy
7. Dr. Swapna Mukherjee
8. Dr. Abhinaba Roy
9. Prof. Ananda Chakraborty

10. Dr. Saradindra Chakraborty, Associate Professor
 11. Dr Sankar Bose, Associate Professor
 12. Dr. Supratim Pal, Reader
 13. Sri Nilanjan Dasgupta, Asst.Professor (SG)
 14. Dr. Gautam Deb, Asst.Professor
- # 5 Posts of Professor & 5 posts of Lecturer lying vacant.

B. Research Associate: Dr Snigdha Pal Chowdhury

C. Non-Teaching:

- | | |
|------------------------|-----------------------------------|
| 1. Sri Haradhan Saha | 6. Sri Sukumar Samanta |
| 2. Sri Rammurad Rangua | 7. Sri Pratul; Chakraborty |
| 3. Sri Swapan Roy | 8. Sri Chitta Chatterjee |
| 4. Sri Kartik Sarkar | 9. Sri Bablu Hela |
| 5. Sri Tarak Pradhan | 10. Sri Pranabbrata Guhathakurata |

DEPARTMENT OF GEOLOGY
M. Sc. COURSE IN ENVIRONMENTAL SYSTEM MANAGEMENT

Major Activities of this department : The students of this department have conducted preliminary Environmental Impact Assessment of the Surface Water Based Water Supply Project (including Treatment Plant) that has been built and implemented by the Public Health Engineering Department (PHED), Government of West Bengal for the Arsenic affected areas of South 24-Pargans district. They made a detailed visit to the spots on 6th February, 2010.

The students have also made a visit to the Central Chemical Laboratory of the Geological Survey of India (Central Head Quarters) at the Kyd Street, Kolkata on 28th September, 2010 to see the operation and performance of the sophisticated instruments that are in use there.

The outgoing students of this department have joined various research organizations in India and abroad in pursuit of higher research such as Jadavpur University, Bengal Engineering & Science University (BESU) at Sibpur, Forest Research Institute at Dehradun, Indian Council of Medical Research (ICMR) and National Environmental Engineering Research Institute (NEERI) at Kolkata, Indian Institute of Science (IIS) at Bengaluru, Indian School of Mines (ISM) at Dhanbad, University of Otago, New Zealand, etc. or pursuing MBA from Indian Institute of Management (IIM), Joka, Institute of Engineering & Management (IEM), Salt Lake. Some students got inducted in the environmental divisions of industries (like Pfizer Company, Vyant Limited, India Foils Limited, Fresenius Kabi Oncology Ltd. a German Multinational at their API Plant at Kalyani, Nadia involved in production of cancer drugs, etc.), or serving as analytical chemists in environmental quality control laboratories (like J. B. Envirotech S. R. Laboratories, etc.), and corporate sector like Development Consultants Limited (DCL), Dabur India, Emami Paper Mills, Indian Chamber of Commerce (ICC), to name a few. Many past students have also opted for public sector undertakings (like the Uranium Corporation of India, Food Corporation of India), banking sector (World Bank Environment Division, State Bank of India, Bank of Baroda, United Bank of India, Allahabad Bank, and other nationalized banks) and the insurance sector (Life Insurance Corporation of India). Many students have opted the administrative service such as West Bengal Civil Service and West Bengal Police Service where their knowledge on environment is expected to find wide applicability.

Some of our past students have also joined as teacher in West Bengal School Service through West Bengal School Service Commission (WBSSC), missionary and public schools and colleges. Some students have also cleared the All India CAT examination and opted for MBA program in good management institutes across India.

M.Sc. Part I 2011 (Session 2010-2012)

Total Students Appeared 5 in number; 2 Students Obtained First Class.

Highest Marks obtained 70.6% (353/500)

M.Sc. Part II 2011 (Session 2009-2011)

Based on Both Part I & Part II Marks

Total Students Appeared 18 in number; 15 Obtained First Class.

Highest Marks obtained 78.0% (780/1000)

Seminars held in the Department and Visitors to the Department

Name of the Speaker / Visitor	Institutional Address	Topic
Professor Tapan Saha	Senior Scientist, Institute of Environmental Studies & Wetland Management, Salt Lake, Kolkata	Environmental Impact Assessment of East Kolkata Wetland 17.2.11; 23.3.2011; 8.4.2011

Talks Delivered by ESM members :

- (i) The M.Sc. First and Second Year students of ESM delivered talk in the 1-day students' seminar on "Man-Animal Conflict" organized by Environmental system management jointly with 4th Dimension Research & Study Circle (5 APC Avenue, East Sinthee, Dumdum, Kolkata 700030) and the Nature Committee of National University of Juridical Sciences (NUJS) on 6th March, 2011 at the NUJS auditorium.
- (ii) Dr. S. Chakrabarti, Associate Professor delivered a talk on "Incidence of Fluoride Contamination in the Groundwater of Purulia district, West Bengal: Nature, Cause and Mitigation Options" in the 1-day Regional Workshop on "Water Quality Assessment, Control and Assurance" organized by the Central Ground Water Board (CGWB), Eastern Region, Ministry of Water Resources, Govt. of India at the Hotel Indismart, Salt Lake, Sector V, Kolkata on 22nd February, 2011 (Abstract of the Paper published in the Preceedings of the said Workshop).
- (iii) Dr. S. Chakrabarti, Associate Professor delivered a talk in the 1-day students' seminar on "Man-Animal Conflict" organized by Environmental System Management jointly with 4th Dimension Research & Study Circle (5 APC Avenue, East Sinthee, Dumdum, Kolkata 700030) and the Nature Committee of National University of Juridical Sciences (NUJS) on 6th March, 2011 at the NUJS auditorium.

Research Activities of the Department:

Title of the Project	Name of Principal & Co-Investigators	Funding Agency	Amount (Rs.)	Research Scholar
1. Hydrogeological Study of Sub-Surface Water Flow / Storage Characteristics for Creation of Sustainable Source on Rain-Fed Kumari River for Water Supply to Semi-Arid and Fluoride Affected Blocks of Purulia, West Bengal Project Adviser	· Dr. H. N. Bhattacharya, Principal Investigator · Dr. S. Chakrabarti, Co-Principal Investigator · Dr. Arunabha Majumder, Project Adviser · Prof. R. K Ray,	Public Health Engineering Department (PHED), Govt. of West Bengal	32,40,000/=	2 Nos.
2. Assessing the Role of Geological Controls on Occurrence of Fluoride in Groundwater of Bankura district, West Bengal	· Dr. H. N. Bhattacharya, Principal Investigator · Dr. Arunabha Majumder, Co-Principal Investigator · Dr. S. Chakrabarti, Co-Project Investigator	Fluoride Task Force and Public Health Engineering Directorate, Govt. of West Bengal	5,80,000/=	2 Nos.
2. Laboratory Scale Performance Study of Activated Alumina Column in Removal of Arsenic and Iron from Groundwater in Presence of Bicarbonate Concentration.	· Dr. H. N. Bhattacharya, Principal Investigator · Dr. S. Chakrabarti, Co-Principal Investigator	Public Health Engineering Department (PHED), Govt. of West Bengal	1,00,000/= (Pilot study)	1 No.
Total			3,92,0000/-	

List of Publications by the Teachers of the Department :

- Bhattacharya, H. N.** and Chakrabarti, S. (2011). Incidence of Fluoride in the Groundwater of Purulia district, West Bengal : A Geo-environmental Appraisal. *Current Science*, V. 101 (2), pp. 152-155.
- Chakrabarti, S.** and Sen, R. (2011). An Exposition on Environmental Ethics. *Current Science*, V. 101(12), pp. 1-2.
- Chakrabarti, S.** and Sen, R. (2011). A Critique on Technological Development, Risks and Ethics. *Current Science*, V. 101(1), pp. 1-2.
- Sen, R. and **Chakrabarti, S.** (2011). A Failure of Environmental Systems the Impending Collapse of Calcutta City : An Analysis. *Jour. Appl. Sci. Res.*, 7(6), 783-786.

Seminars, Lectures Attended by Teachers and Students of ESM course

- (i) Dr. S. Chakrabarti (Associate Professor, Department of Applied Geology & Environmental System Management) and Dr. D. K. Sinha (Visiting Faculty, Department of Applied Geology & Environmental System Management) were invited as Special Delegate by the Indian Chamber of Commerce to participate in the Interactive Session with Danish Ambassador H. E. Freddy Svane on "Danish Expertise in Alternate Energy and Urban Water Management" at the ICC Board Room, 4, India Exchange Place, Kolkata 700001 on 18 January 2011,
- (ii) Dr. S. Chakrabarti (Associate Professor, Department of Applied Geology & Environmental System Management) and Dr. D. K. Sinha (Visiting Faculty, Department of Applied Geology & Environmental System Management) were invited as Special Delegate by the Bengal Chamber of Commerce and Industry to participate in the seminar on "Perspectives on Climate Negotiations and Clean Technology" at the BCCI premises, Royal Exchange, 6 Netaji Subhas Road, Kolkata 700001 on 16 February 2011
- (iii) Dr. H. N. Bhattacharya, Professor & Head of the Department of Applied Geology & Environmental System Management, Dr. S. Chakrabarti (Associate Professor, Department of Applied Geology & Environmental System Management), Prof. Arunabha Basu (Associate Professor, Department of Applied Geology), Dr. Arunabha Majumder (Visiting Faculty, Department of Applied Geology & Environmental System Management) were invited to deliver a talk on "Incidence of Fluoride Contamination in the Groundwater of Purulia district, West Bengal: Nature, Cause and Mitigation Options" in the 1-day Regional Workshop on "Water Quality Assessment, Control and Assurance" organized by the Central Ground Water Board (CGWB), Eastern Region, Ministry of Water Resources, Govt. of India at the Hotel Indismart, Salt Lake, Sector V, Kolkata on 22nd February, 2011 (Abstract of the Paper published in the Preceedings of the said Workshop).
- (iv) Dr. S. Chakrabarti (Associate Professor, Department of Applied Geology & Environmental System Management) and Dr. D. K. Sinha (Visiting Faculty, Department of Applied Geology & Environmental System Management) were invited as Special Delegate by the Indian Chamber of Commerce to participate in the 4th Environment Partnership Summit, EPS 2011 at the Hotel Hyatt Regency, Kolkata on 3 - 5 March 2011. The theme of the Summit for this year would be "Sustainable Environment Management: Value to Business through IED (Inclusion, Empowerment and Development)", which is in keeping with ICC's theme for the year 2011, i.e. Promoting IED led Growth.
- (v) Dr. Ranen Sen (Visiting Faculty, Department of Applied Geology & Environmental System Management) was invited to speak on Carbon Emissions Capture, Storage & Utilization for Agri-Intensification, Relevant to India in 1-day Seminar on "Climate Responsive Appropriate Technology" organized by Jadavpur University Ex-Students' Guild (Bidhannagar) held at the auditorium of Paribesh Bhavan, West Bengal Pollution Control Board (W.B.P.C.B.), Salt Lake, Kolkata : 26th November, 2011.

Seminars, Lectures Attended by Teachers and Students of ESM course

- (i) 1-day seminar on "Water and the Future of India" organized by the Sea Explorers' Institute, Outram Ghat, Kolkata at the K. P. Basu Memorial Hall, Jadavpur University, Kolkata on 3rd March, 2011.
- (ii) 1-day students' seminar on "Man-Animal Conflict" organized by Environmental System Management jointly with 4th Dimension Research & Study Circle (5 APC Avenue, East Sinthee, Dumdum, Kolkata 700030) and the Nature Committee of National University of Juridical Sciences (NUJS) on 6th March, 2011 at the NUJS auditorium. On this occasion, the students of ESM gave lecture on the theme topic.
- (iii) Seminar on "Water for Cities : Responding to the Urban Challenge" organized on the occasion of the World Water Day-2011 by the Federation Iall Society and Forum of Senior Engineers of India in association with

Gramin Vigyan-O-Prajukti Bikash Kendra at the Federation Hall auditorium on 22nd March, 2011.

- (iv) 1-day Seminar on "Climate Responsive Appropriate Technology" organized by Jadavpur University Ex-Students' Guild (Bidhannagar) held at the auditorium of Paribesh Bhavan, West Bengal Pollution Control Board (W.B.P.C.B.), Salt Lake, Kolkata : 26th November, 2011.
- (v) 1-day State-Level Seminar on "Study of Environmental Science : Its Aspects & Future Prospects" organized by the Post Graduate Department of Environmental Science of Asutosh College, Kolkata in collaboration with the Department of Environmental Science, Calcutta University and sponsored by the University Grants Commission (UGC), Govt. of India at Asutosh Memorial Hall, Kolkata : 23rd November, 2011.
- (vi) Sri Abhishek Ghoshal and Sri Ravi Kumar Mishra of M.Sc. First year (ESM) attended the 1-day National Seminar on "Rabindranath Tagore : A Many Splendoured Personality" on the occasion of the 150th Birth Anniversary of 'Gurudev Rabindranath' : A Respectful Homage by the Netaji Institute of Asian Studies (NIAS), Kolkata organized by the NIAS, Kolkata : 21st December, 2011.

Field Training by Teachers and Students of ESM course

- (i) Sri Tapodhan Bera and Sri Suman Dey of M.Sc. First year (ESM) and all students of M.Sc. Second year (ESM) attended the 9-day long On-Board Sea Cruise Training Session on different aspects of Marine environment and Environmental Quality Evaluation of Coastal and Inner Continental Shelf of Bay of Bengal of West Bengal under the guidance of Sri B. K. Saha (Former Senior Deputy Director General - Marine, Geological Survey of India, Kolkata & Guest Professor of Environmental Systems Management, Presidency University as a part of the ongoing Major Research Programme of the Ministry of Earth Sciences (MOES) Govt. of India : 15th-23rd December, 2011.

Prizes / accolades won by students

- (i) Ms. Papia Guha, M.Sc. Final student of ESM has won the 2nd Prize in the elocution competition on "Man-Animal Conflict" organized by Environmental System Management jointly with 4th Dimension Research & Study Circle (5 APC Avenue, East Sinthee, Dumdum, Kolkata 700030) and the Nature Committee of National University of Juridical Sciences (NUJS) on 6th March, 2011 at the NUJS auditorium.
- (ii) Sri Tapodhan Bera of M.Sc 1st Year of ESM has won the 1st Prize in paper presentation on the topic "Seasonal Fluctuation in Soil Macro-Invertebrate Diversity : A Case Study in College Campus" in the 1-day State-Level UGC sponsored Seminar on "Study of Environmental Science : Its Aspects & Future Prospects" organized by the Post Graduate Department of Environmental Science of Asutosh College, Kolkata in collaboration with the Department of Environmental Science, Calcutta University and sponsored by the University Grants Commission (UGC), Govt. of India at Asutosh Memorial Hall, Kolkata : 23rd November, 2011.
- (iii) Ms. Papia Guha, Ms. Susnata Ray and Sri Ipsita Ghosh, Research Scholars of ESM participated and secured third prize on the paper titled "An Appraisal of Fluoride Contamination of Groundwater through Geochemical Analyses : A Case Study of Bankura District, West Bengal" in the poster competition in the 1-day State-Level UGC sponsored Seminar on "Study of Environmental Science : Its Aspects & Future Prospects" organized by the Post Graduate Department of Environmental Science of Asutosh College, Kolkata in collaboration with the Department of Environmental Science, Calcutta University and sponsored by the University Grants Commission (UGC), Govt. of India at Asutosh Memorial Hall, Kolkata : 23rd November, 2011.

Papers presented by students

- (i) Ghosh, I., Ray, S., Guha, P and Chakrabarti S. (2011). Hydrogeochemical Evaluation of High-Fluoride Groundwater : A Case Study of Purulia District, West Bengal. Poster presented at UGC sponsored State Lev. Sem. On "Study of Environmental Science : Its Aspects & Future Prospects" org. by Environmental Science Dept. of Asutosh College, Kolkata and Cal. Univ..
- (ii) Ghosh, I., Ray, S., Guha, P. and Chakrabarti S. (2011). An Appraisal of Fluoride Contamination of Groundwater through Geochemical Analyses : A Case Study of Bankura District, West Bengal. Poster presented at UGC sponsored State Lev. Sem. On "Study of Environmental Science : Its Aspects & Future Prospects" org. by Environmental Science Dept. of Asutosh College, Kolkata and Cal. Univ.
- (iii) Bera, T., Naskar D. And Mukherjee, S. (2011). Seasonal Fluctuation in Soil Macro-Invertebrate Diversity : A

Faculty List :

Teaching :

The following is the teaching faculty of ESM Course :

- Head of the Department : Dr. H. N. Bhattacharya, Professor, Department of Geology, Presidency University, Kolkata.
- Course co-ordinator : Dr. S. Chakrabarti, Associate Professor, Department of Geology, Presidency University, Kolkata.

Staff List :

A. Teaching :

The following is the teaching faculty of ESM Course (in addition to the Faculty of Department of Applied Geology):

1. Dr. Dilip Kumar Sinha
2. Dr. Anandadeb Mukherjee
3. Dr. Arunabha Majumder
4. Dr. Dalim Kumar Paul
5. Dr. Debdut Ghosh Thakur
6. Dr. Pranabes Sanyal, IFS
7. Dr. Ranen Sen
8. Dr. S. K. Halder.
9. Prof. Rabin Kishore Ray
10. Prof. Bijan Saha
11. Dr. Asis Bhattacharya
12. Dr. Sandip Mukherjee
13. Dr. S. P. Sinha Ray
14. Prof. A. Sen
15. Prof. Swapan Sarkar
16. Dr. Kamal Kumar Banerjee
17. Dr. Debasis Sen
18. Dr. Uday Chand Ghosh
19. Dr. Subrata Ghosh
20. Dr. Sumita Ghosh
21. Prof. Biman Ranjan Das
22. Dr. (Smt.) Gargi Chatterjee
23. Prof. (Smt.) Indrani Roy
24. Dr. A. Chatterjee
25. Sri. Prabir Dasgupta
26. Prof. A. K. Ray
27. Prof. Arunabha Basu

Department of Mathematics

News from the Department

The Department of Mathematics, as a full-fledged department of Presidency University, has been teaching both UG and PG courses from 2011. The syllabi for both UG and PG courses were designed in consultation with experts. The present second and third year students still following Calcutta University syllabus for their honours courses so that they might sit for the coming C. U. Examinations. For the first year UG and first year PG students of Presidency University, the new semester system has been introduced. The department has somehow taken the responsibility of running two parallel systems at the same time in spite of acute shortage of space, teachers and non-teaching staff. The results of university examinations (C.U.) in 2011 are shown in the following table:

Seminar organised by the Department:

Examination	No. of Students Appeared	No. of Students who got First Class
B. Sc. Part I (Hons.)	38	10
B. Sc. Part II (Hons.)	25	3
B. Sc. Part III (Hons.)	29	8

Seminars held in the Department:

Name of the Speaker	Institutional Affiliation	Topic
Dr Partha Pratim Ghosh,	School of Mathematical Science University of Kwazulu Natal, Darbun, South Africa	Some Duality results in Topology
Professor S. D. Adhikari,	School of Mathematics Harish Chandra Research Institute Allahabad.	Some zero-sum combinatorial problems of numbers
Professor S. Kumaresan	School of Mathematics & Statistics, University of Hyderabad	Towards Lagrange's Multiplier
Professor Piego Pagliani	Research Group on Knowledge and Communication Model, Roma, Italy	From Intuitionistic logic to Classical logic: Is there something in between?

List of Publications of the Teachers:

1. Bose, S.K., Debidas Chattoraj and Dilip Pratihari, Analytical Engineering Mechanics (ISBN: 978-81-8487-142-5). 2011, 630 pp.
2. Pathak, S., A. Maiti, and S. P. Bera. Effect of time-delay on a prey-predator model with microparasite infection in the predator, Journal of Biological Systems, 19(2) (2011), pp. 365-387.

Seminar Lectures Delivered by Teachers:

Debidas Chattoraj:

1. National Seminar on Mathematical Modelling of Natural Phenomena (NSMMNP 2010-11, Phsae 2): Organised jointly by Indian Society of Nonlinear Analysis (INSA) and Bethune College, Kolkata; Held on 11.3.2011 at Bethune College.
2. Summer School of Indian Society of Nonlinear Analysis (INSA); Held on 03.05.2011 at Bethune College, Kolkata.
3. Spherical Astronomy: Kalpana Chawla Centre for Space and nano Science, Kolkata and RKM Vivekananda

University; 5th Summer Workshop on "Foundations of Space Science and Technology" on 01.06.2011 and 03.06.2011.

Syamal Kumar Basak:

1. Delivered a talk on "How to develop reasoning" in CTE Programme for in service teachers on 23.09.2011 at Ramkrishna Mission Sikshamandir, Belur.

Jayanta Sen:

1. Attended 4th Indian Conference on Logic and its Applications (ICLA2011) at Delhi University, Delhi on 9-11 January, 2011 and the pre-conference workshops, Logic and Philosophy Today on 5-6 January, 2011 and Log ICC Meets India on 7-8 January, 2011.
2. Attended Annual Meet 2011 on Logic and its applications at IBRAD, Kolkata on 02-04, September, 2011 organized by Calcutta Logic Circle and Centre of Cognitive Science, Jadavpur University and IBRAD, Kolkata.
3. Invited to talk on "Some algebras connected with rough sets" at the UGC-sponsored National Seminar on Recent Trend in Fuzzy Set Theory, Rough Set Theory & Soft Set Theory, 23rd 24th September, 2011 at Uluberia College, West Bengal, organized by the Department of Mathematics, Uluberia College, in collaboration with the Department of Mathematics, City College.

Department of Physics

News from the department

The Department of Physics, Presidency University formerly Presidency College has a rich tradition and history. The Department of Physics has 19 teaching posts of which 5 posts including 4 posts of Professor are lying vacant. The Department had four more teaching posts those of demonstrators but yet to be upgraded. In spite of this shortage of staff, the department has strived to maintain the quality of the teaching and research activities. The multifarious activities of the department are summarized in the following categories : Teaching is conducted at both undergraduate and postgraduate levels. At present the following wide choice of papers in autonomous M. Sc. Physics course is being offered.

PG Special/Advanced Papers

1. Astrophysics (introduced in 2010, but discontinued this year for want of staff.)
2. Electronics
3. High Energy Physics
4. Materials and Condensed Matter Physics
5. Nuclear Physics

PG Elective Papers

1. Liquid Crystal (newly introduced in 2010)
2. Geophysics (discontinued this year for want of staff.)
3. Microwave
4. Remote Sensing Physics

Both theoretical and experimental researches are being carried out by the departmental faculty members. In theoretical Physics research is conducted in High energy physics, Nuclear Physics, Statistical physics, Liquid crystal, Nonlinear dynamics, Astrophysics and Quantum mechanics. Experimental researches are going on Nanomaterials, Polymers, Electronics, Remote Sensing etc. Fifteen research papers have been published in peer reviewed journals in 2010.

The Department continues to have National and International collaborations with

- a) Academic collaboration programme with Ecole polytechnic, France.
- b) Dr. Prabir Kumar Mukherjee is collaborating with Prof. Sylwester J. Rzoska and Prof. Aleksandra-Drozd Rzoska, of Institute of Physics, Silesian University, Poland.

- c) Dr. Prodyot Kumar Roy is collaborating as co-investigator with Dr. S K Dana, of Indian Institute of Chemical Biology (IICB), Kolkata who is the Principal Investigator of the research project entitled "Chaos synchronization: Exploring Technology Prospect" funded by Board of Research in Nuclear Sciences (BRNS) DAE, Govt. of India. Other members of the project are Prof. A. Sen (Principal Collaborator) of Institute of Plasma Research (IPR), Gandhinagar, Ahmedabad and E Padmanaban (co-investigator) of IICB, Kolkata.

This year in the B. Sc. (Honours) Examination (2010) of the Calcutta University 22 students, out of 28 who appeared for the examination, ranked in the first class. And in M. Sc. Examination (2010), 20 students passed in first class out of 34 candidates. One candidate, however, failed.

Summary of the result of the students of the department

	1st Class	2nd Class
B. Sc	19	14
M. Sc.	22	21

This year Sumanta Chakraborty stood first class first in B.Sc. Physics Honours final examination of University of Calcutta.

In the national level, many of our undergraduate students were qualified in the JAM 2011 (Joint Admission test for Masters Level in IITs). Success rate in JEST (admission test for integrated Ph.D programme of different reputed national institutes) is also very high. More than 13 students selected for admission to different IITs. Soumangshu Bhusan Chakraborty was selected for the integrated Ph.D. programme of Tata Institute of Fundamental Research (TIFR), Mumbai.

We are proud to announce that three students from our department found eligible for admission to the Integrated Ph.D. programme in Physics 2011 of Indian Institute of Science (IISc), Bangalore. They are Saurav Islam, Aritra Kundu and Prasenjit Sanyal.

In 2011 four of our students, Dibyakanti Mukherjee, Arijit Dutta, Tamoghna Das and Soumyadeep Chaudhury were selected to join Harish Chandra Research Institute, Allahabad in their Ph.D. programme.

This year Sarbajoya Kundu of 2nd year B.Sc. was awarded KVPY Scholarship.

We are glad that the collaboration with Ecole Polytechnique, France is quite satisfactory. On 20th September 2011 Professor Jean-Marc Deshouillers, Mathematics Department, University of Bordeaux, France, visited our Department. He also met the students of our Department who are aspirant of getting admission to Ecole Polytechnique. The visit was in preparation of the admission test going to be held in Feb, 2012. He also made a presentation to the students about Ecole Polytechnique. In last year also the faculties of Ecole Polytechnique conducted admission test for the students of Presidency College in our premises. We are glad that Soumangshu Bhusan Chakraborty was selected for admission and joined Ecole Polytechnique.

Research Projects in the department:

Title	Investigator	Funding agency	Amount	Research workers
Hyperspectral remote sensing of natural and man made features based on UV-Vis-NIR spectral measurements	Dr. Barun Ray Chaudhuri	DST	Rs. 24,32,475	One JRF
Polymer-Inorganic Hybrid Nanocomposites (PIHNC)-Preparation, Characterisation & Their Potential as Nanodielectrics	PI-Prof. Mukul Biswas (Dept. of Chemistry & Biochemistry) / CI-Dr Arabinda Nayak (Dept. of Physics)	CSIR	Rs. 9,86,000	JRF-Ipsita Halder
Modelling astrophysical & High energy observations using nuclear particle Physics & hydrodynamics	Dr. Mira Dey (Retired teacher)	DST	Rs 23,83,600	One RA

Seminars held in the department:

Name of the Speaker	Institution	Topic
On 7th January, 2011 Dr. Prabir Mukherjee,	Physics Department Presidency University	"Liquid Crystals: Matter in the Fourth State"
14th January, 2011 Prof. Probir Roy (an alumnus of the Department)	DAE Raja Ramanna Fellow Saha Institute of Nuclear Physics	A Glimpse of Einstein's Special Theory of Relativity
7th March 2011 Prof. Rajarshi Roy	Maryland University, USA	Optical Illusion
4th April, 2011 Dr. Syamal Kumar Dana	Head, Instrument Division, Indian Institute of Chemical Biology, Kolkata	"Chaos and Synchronization: Rhythms of Life"
On 26th April, 2011 Dr. P K Roy	Physics Department Presidency University	"Fractal world"
2nd September, 2011 Rohit Kumar Ray,	3rd Yr B Sc Phys. (H) Physics Department Presidency University	"An Introduction to Graphene"
9th September, 2011 Dr. Avijit Mukherjee	Department of Physics, Jadavpur University	"On the Problem of Quantization"
20th December Prof. Naba Kumar Mondal,	Prof. Theory Division, Tata Institute of Fundamental Research, Mumbai	"Neutrino Puzzles"

Other Academic activities:

Prabir Kumar Mukherjee

Asok Kumar Das, a college teacher (Surendranath College, Kolkata) has obtained Ph. D. degree of West Bengal University Technology in 2011 under the supervision of Dr Prabir Kumar Mukherjee.

Teachers' Day (5th September 2011) was celebrated in the department with the due mixture of somberness and gaiety. B. Sc. Physics (Hons.) students arranged a nice programme.

Star College Programme:

A programme was organized in the Department on 5th February, 2011 where all the speakers were established scientists/consultant or educationists who did their bachelors from this department 50 years ago. They were:

1. Suvesh Purkayastha He is an IT consultant and has worked for leading blue chip IT corporations. He has a PhD in electronics.
2. Subhendu Guha is the Chairman of United Solar Ovonics, Auburn Hill. He was awarded the 2005 World Technology award for his work on photo-voltaic panels. Has a PhD from Calcutta University.
3. Gobind Dariani worked in Bell labs, Then set up his own company 1st in HDTV then in Finance. He sold his company to Amentrade in 2006. Has a PhD in EE from Virginia Tech.
4. Siddhartha Sen taught in Trinity College Dublin. He has a wide range of research interests including, black hole physics, knot theory, graphene and even DNA. He has a PhD from MIT.
5. Nandita Rudra taught Physics at Kalyani University. She has a PhD from Calcutta University.
6. Dilip Kumar Bhattacharya taught BioPhysics at Kalyani University. Before that he also taught in this Department. He has a PhD from Calcutta University.
7. Partha Ghose is currently a UCG Senior Research fellow. He was at S N Bose Institute of Basic Sciences, Kolkata. His research interests are wide ranging from foundational aspects of quantum mechanics to studying the electrical response of the brain. Besides Physics Partha Ghose ran a popular TV show on science and has a professional interest in music. He has a PhD from Calcutta University.
8. Subimal Sen is currently the Chairman of the West Bengal Council of Universities. He was a researcher at SINP and has a PhD from Calcutta University
9. Debu Majumdar represented the US in the International Atomic Energy Agency (IAEA) in Viena, Austria. He worked in the field of Nuclear energy. Besides Physics Debu is an established author and writes an Opinion column for a newspaper. He has a PhD in particle physics from Stony Brook.

10. Kartick Mukherjee worked in Electrical Engineering in CESC Ltd. He is M Tech from Calcutta University.
11. Gita Purkayastha taught in Lady Brabourne College and Dinabandhu Andrews College. She has a PhD from Calcutta University.

A Workshop on electronic circuit design using computer software and laboratory implementation was organized in the Department on 4th to 6th March, 2011. The said workshop was conducted by Dr. S K Dana, Senior scientist and Head of the Instrument Division, of Indian Institute of Chemical Biology, Kolkata. He demonstrated the students how to use software "Multisim" for designing electronic circuit. In the programme Dr. Dana was assisted by his other Departmental Colleague.

A Programme was organized by Department of Physics for visit of Departmental students to VECC Kolkata on 29th March, 2011. Dr. R K Bhandari, Director VECC was kind enough to allow the students to go through various labs of Cyclotron centre. This visit made a very good impact to the students and encouraged them to pursue the basic science course.

A workshop on Astrophysics was also organized by the department on April 29 and 30, 2011. Prof. Debades Banerjee of Saha Institute of Nuclear Physics, Kolkata Delivered a lecture entitled "Supernova Explosions".

The department has organized another workshop on 20th and 21st December, 2011.

More such workshops will be held in future.

List of publications by the Teachers of this Department: (Jan to Dec, 2011)

A. In peer reviewed Journals:

- Acharyya M.**, (2011), Monte Carlo study of the dynamic phase transition in Ising metamagnet driven by oscillating magnetic field, *Journal of Magnetism and Magnetic Materials*, 323, 2872 (IF:1.689).
- Acharyya M.** and **Acharyya A. B.**, (2011), Evidence of invariance of time scale at critical point in the Ising meanfield equilibrium equation of state, *Communications in Theoretical Physics*, 55, 1109 (IF:0.488).
- Mukherjee, P.K.** (2011) Simple Landau model of the smectic-C^{*} - smectic-C^{*} phase transition in binary mixture. *Physica*, Vol. B406, p. 2043-2045 (impact factor: 0.856).
- Acharyya M.**, (2011). Form invariant Sommerfeld electrical conductivity in generalised dimensions, *Communications in Theoretical Physics*, 56, 943 (IF:0.488)
- Acharyya M.**, (2011). Nonequilibrium phase transition in the kinetic Ising model driven by propagating magnetic field wave. *Physica Scripta*, 84, 035009 (IF:0.985)
- Acharyya M.**, (2011). Pauli spin paramagnetism and electronic specific heat in generalised d dimensions, *Communications in Theoretical Physics*, 55, 901 (IF:0.488)901.
- Haldar, I.**, Biswas, M. and Nayak, A. (2011) Microstructure, dielectric response and electrical properties of polypyrrole modified (poly N-vinyl carbazole- Fe₃O₄) nanocomposite. *Synthetic Metals*, Vol. 161, P.1400-1407. doi:10.1016/j.synthmet.2011.05.008. (Impact Factor: 1.871).
- Haldar, I.**, Kundu, A., Biswas, M. and Nayak, A. (2011) Preparation and evaluation of a poly (N-vinylcarbazole)Fe₃O₄ (PNVC-Fe₃O₄) nanocomposite. *Mater. Chem. Phys.*, Vol. 128, P.256264. doi:10.1016/j.matchemphys.2011.03.008. (Impact Factor: 2.353).
- Mukherjee, P.K.** (2011) Tricritical behavior of the RI-RV rotator phase transition in a mixture of alkanes with nanoparticles. *J. Chem. Phys.*, vol. 135, p. 134505-1-5 (impact factor: 2.998).
- Mukherjee, P.K.** (in press) Isotropic to ferroelectric and antiferroelectric liquid crystals phase transition. *Phase Transitions*. (Available online from 28th June 2011) (DOI:10.1080/01411594.2011.585025) (impact factor: 1.006).
- Mukherjee, P.K.** (in press) Multicriticality in smectic liquid crystals. *J. Non-Crystalline Solids*. (DOI: 10.1016/j.jnoncrysol.2011.11.034) (impact factor: 1.483).
- Mukherjee, P.K.** (in press): Fluctuation-driven first order crystal to rotator-V phase transition in n-alkanes. *Philosophical Magazine Letters* (impact factor: 1.329)
- Mukherjee, P.K.** and Dey, S. (in press) Simple Landau model of the Liquid- RII-RI rotator phases of alkanes. *J. Mod. Phys.*
- Mukherjee, P.K.** Chakraborty, S. and Rzoska, S. J. (2011) Non-linear dielectric effect in the isotropic phase above the isotropic-cholesteric phase transition. *Chem. Phys.*, vol. 389, p. 64-67(impact factor: 2.90) (impact factor: 2.017)
- Mukherjee, P.K.** (2011) Elastic properties of the RIV-RIII rotator phases of alkanes. *J. Phys. Chem. Solids*, vol. 72, p. 1066-1069 (impact factor: 1.381).

- Mukherjee, P.K.** (2011) Renormalization-group analysis of the RI - RV transition. *J. Chem. Phys.*, vol. 134, p. 22450-1-6 (impact factor: 2.998).
- Mukherjee, P. K.** and Sasmal, S. (2011) Pressure dependence tricritical point of the nematic-smectic-A phase transition. *Phase Transitions* vol. 84, p. 110-114 (impact factor: 1.006).
- Prasad S. G., De A. and De U.** (2011) Structural and Optical Investigations of Radiation Damage in Transparent PET Polymer Films. *International Journal of Spectroscopy*, volume 2011, Article ID 810936, 7 pages. Doi:10.1155/2011/810936
- Ray Chaudhuri B.** (2011) On the determination of the emission wavelength of an infrared LED with common laboratory instruments, *European Journal of Physics*, vol. 32, p. 935945.
- Roy, P. K., Hens, C., Grosu, I. and S. K. Dana** (2011) Engineering generalized synchronization in chaotic oscillators, *Chaos*, 21, 013106.

B) Conference/Workshop attended:

Prodyot Kumar Roy, Head of the Department of Physics

Roy was a member of the Organizing Committee as Technical Chair in 19th IEEE Workshop on Nonlinear Dynamics of Electronic Systems, held at Indian Institute of Chemical Biology, Kolkata, Mar. 9-11, 2011.

Roy was also invited to conduct a demonstration of laser chaos as lab session in "DST-SERC School on Nonlinear Dynamics" organized by Indian Institute of Science Education and Research (IISER) Pune held during Dec. 04-24, 2011.

Dr. Roy also invited to Dipto Memorial Symposium organized by the research scholars of Bose Institute, Kolkata as a member of a panel discussion on "Fukushima: A wakeup call" held on 16th September, 2011.

Gour Bhattacharya

International Workshop on Gravitational Wave Astronomy held during December 20-22, 2011 at IUCAA, Pune under the auspices of the International Centre for Theoretical Sciences (ICTS), Bangalore

Seminar Lectures Delivered / Attended by Teachers

Prabir Banerjee

National Workshop on 'Nuclear Physics using ion beams from Cyclotrons at VECC' organized by UGC-DAE Consortium for Scientific Research, Kolkata Centre and Variable Energy Cyclotron Centre, Kolkata during 24-26th August 2011.

Title of the talk: Nuclear breakup in relation to astrophysically relevant reactions.

Staff List:

A. Teaching (including Part Time & Guest Teachers).

FACULTY MEMBERS

Prodyot Kumar Roy, Head

Tarasankar Nag,

Biswanath Jha, (retired on October, 2011)

Pradip Mukherjee, (transferred to Barasat Govt. College)

Narayan Bandyopadhyay,

Abhijit De,

Barun RayChaudhuri,

Bikash De,

Silbhadra Chatterjee,

Arabinda Nayak,

Muktish Acharyya,

Prabir Kumar Mukherjee,

Prabir Banerjee,

Gour Bhattacharya,

GUEST TEACHERS

- | | |
|----------------------------|--|
| 1. Sri Sanat Ghosh. | 7. Dr. Amit Mohan Rakshit |
| 2. Dr. Biren Das, | 8. Prof. Bikash Chakrabarti, Head, Theoretical
Condensed Matter Division, Saha Institute of Nuclear
Physics, Kolkata |
| 3. Dr. Mahendra Sinha Roy. | 9. Sri Kalipada Nahal. |
| 4. Dr. Pradip Kumar Datta, | 10. Dr. Biswanath Jha |
| 5. Dr. Arpita Bose, | |
| 6. Dr. Sushil Sarkar, | |

HONORARY GUEST TEACHERS : Nandini Raha,

B. NON-TEACHING

Haren Baidya	Dipak Kr. Roy
Amitabna Bhar	Dilip Kr. Bir
Protima Haldar	Dilip Hajra
Biswajit Das	Pradip Kr. Das
Babulal Das	Kartick Hela.
Bijoy Barik	Sumati Hazra
Ananta Barik	

C. Vacant Positions**Teaching posts vacant:**

4 WBSSES, 1 WBES and 4 posts of Demonstrators

Non-teaching vacant

1. Master Mechanic, 1 Junior Mechanic, 1 Instrument Keeper, 1 Skilled Bearer, 2 Establishment Attendant.

Department of Physiology

News from the department

The year 2011 was an eventful one. Although severely understaffed, the department maintained its standard in quest for its pursuits for academic excellence. Our students made us proud by their academic performances. At the undergraduate level, out of 16 students 11 got First Class securing first five top positions of the University of Calcutta. Our students have also topped the entrance examination of various National Institutes like JNU, AIIMS, NBRC.

At the postgraduate level, out of 22 students, 18 got First Class. Most of them have joined various National Institutes for higher studies. Significantly 3 of our postgraduate students have cleared CSIR/UGC NET this year as well. Our students were equally brilliant in co-curricular activities like debates, quiz, games, sports etc. and brought laurels for the University and the Department. One of our undergraduate students did summer research project in Benaras Hindu University sponsored by INSA, IASc and NASI, Government of India. Another undergraduate student won the INSPIRE Fellowship. A postgraduate student received the Indira Gandhi Single Girl Child Fellowship from Government of India.

Dr. Matthew Belmonte a Fulbright Nehru Scholar from USA is attached to the department and joined on May 2011. One of our members of faculty was conferred upon the Prestigious Complimentary Invited Membership of **American Nano Society** in recognition of the novel work done in the field of nanobiology.

The department organized series of workshops with experts from India and abroad to frame the new undergraduate and postgraduate syllabi under the semester pattern of the University. The department took this opportunity to perform SWOT Analysis for the department. It emerged from the analysis that the undergraduate students and the quality of teaching are the pivotal strength of the department with potential to diversify into independent fields like Ergonomics, Occupational Health, Applied Nutrition and Toxicological Endocrinology. Absence of Board of Research Studies (BRS) is considered to be the main weakness, at present.

We are thankful to all our guest faculties for their help and support. The departmental seminar library is running efficiently under the guidance of Dr. Mousumi Sikdar and Dr. Nirmal K. Pradhan. The wall magazine "Prachirika" is regularly being published.

The undergraduate students completed their field work in different parts of Madhya Pradesh under the guidance of Dr. Prabir K. Mukhopadhyay and Dr. Indrani Chakraborty. The postgraduate students visited different Coal mines under ECL, Government of India, agricultural fields of some of the villages and Core Area of the Sunderban Delta with Dr. Devashish Sen and Dr. Subrata Ghosh.

The department along with all its members (staff, student, and alumni) is striving hard to realize a dream, a dream for which Presidency University stands, an urge to do something different, a tendency to set a genre of original thinking and asserts its hitherto unrivalled potentialities once again.

Seminar organized by the Department and visitors to the Department:

Name of the speaker	Institutional address	Topic
1. Prof. Chandan Kumar Sen	Associate Dean, ADM-Medicine Administration Professor, SBS-Molec & Cellular Biochem Professor, Ohio State University, USA.	Vitamin E in stroke Therapeutics.
2. Prof. Gour Gopal Ray	Director, IDC, IIT, Mumbai.	Design & Occupational Stress
3. Prof. Mathew Belmonte	Overseas Fulbright Nehru Fellow to the Department of Physiology, Presidency University. Affiliation : Cornell University Department of Human Development & NBRC Gurgaon.	Autism and Asperger Syndrome at the Intersection of Biology and Culture
4. Prof. Kankan Bhattacharya	Director, Indian. Association for the Cultivation of Science, Kolkata.	Application of Fluorescence correlated spectroscopy in biology
5. Dr. Purnendu Roy	Director & Consultant Surgeon, Genesis Hospital, Kolkata	Learn how to dream: not in night but in daytime.

Research activities of the Department:

Title of the Project	Principal & Co-investigator	Funding agency	Amount
An ergonomic study of occupational health problems of women construction workers in unorganized sectors of West Bengal, determination of safe load limit and some suggestive remedial measures.	PI: Bijetri Bandopadhyay Co-PI: Devashish Sen.	DBT, Govt. of India	Rs.29,08000/-
Studies on Arsenic Induced reproductive toxicity and its dietary management in male rats.	PI: Prabir Kr.Mukhopadhyay	UGC. Govt. of India	Rs.1,63000/-
Health Risk Assessment associated with Fluoride contaminated ground water of Birbhum district, West Bengal and its possible remedial measure	PI: Subrata Ghosh	UGC. Govt. of India	Rs.1,63000/-
DBT's Twinning programme for the NE" titled "Visual and tactile information processing in product selection process	Co-PI : Subrata Ghosh in collaboration with Dr. Sougata Karmaker, IIT Guwahati,	DST. Govt. of India	Rs. 40,083,000/-

Other Academic Activities:

The department organized various workshops under DBT Star College Programme sponsored by Government of India. A major part of the series of events was Complete Health Check-Up camp of more than 60 teaching assistance staff-members of the University in collaboration with Four Government Medical Colleges & Hospitals of West Bengal.

Collaborative research programmes with IIT Mumbai and IIT Guwahati is going on. The Department continues to be the nodal centre of Indian Association of Biomedical Scientists (IABMS) in Eastern India. As a part of this, 6th Annual Conference was organized in collaboration with KPC Medical College & Hospital Kolkata. Sisir Majumdar Lecture Series was organized in collaboration with Alumni Association.

List of Publications by the teachers of the department

- Syama, A.K. and Chanda, S.** (2011). Precolonial use of tobacco as medicine in the world. (in press), *Biomedical and Pharmacology Journal*. 4(2); 43-48. (IC value 9.00)
- Mallick C., Das, S., Sen, D, Sikdar, M., and Ghosh, S.** (2011) Triple Negative Breast Cancer and Metabolic X Syndrome: A novel cross-sectional explorative study. *Biomedicine*,- 31(4): 78-92, (IF: 2.4)
- Ghosh, S., Bagchi, A., Sen, D. and Bandyopadhyay, P.** (2011) Ergonomics: A bridge between fundamentals and applied research. *Indian J. Occup. Environ. Med.*, 15(1): 14-17, (IF/H In-5)
- Ghosh, S., Bagchi, A., Sen, D.** (2011) Chatterjee A and Ghosh A. Ergonomic assessment of ocular stress profile amongst watchmakers/repairers of Kolkata and its possible preventive measures. *Biomedicine*, 31(2): 215-224, (IF: 2.4)
- Masanta, N.C. and Pradhan, N.K.** (2011) Comparison of nutritional status among the rural tribal women in Midnapur. District of East India. *Indian Biologist*, 43(44) 65-68. (IF: 0.67)
- Dey, A., Bose, A, and Mukhopadhyay, P.K.** (2011). Testicular toxicity in arsenic exposed albino rats: ameliorative effects of ascorbic acid and α -tocopherol. *Biomedicine*; 31 (1) : 53 63. (IF: 2.4)
- Chanda, S., Ganguli, B., Dasgupta, U.B. and Guha Mazumder, D.** (2011) GlutathioneS-transferase polymorphic status modifies the arsenic induced clinical manifestation in Nadia District of West Bengal, India. *J. Pub. Health and Epidemiol.* 3(10) : 424-428, (IF: 0.76)
- Chanda, S. Ganguli, B., Dasgupta, U.B. and Guha Mazumder, D.** (2011) GST polymorphic status modifying the arsenic induced clinical manifestations in people of the southern part of West Bengal, India. *J.Toxicol. and Environ. Health Sci.* 3(6), 171175, (IF: 1.637)
- Chanda, S., Dasgupta, U.B. and Guha Mazumder, D.** (2011) Elimination of arsenic and skin manifestations can be counteracted by gene polymorphism. *Int. J. Curr. Res Rev.* 3(12), 90-95, (IC Value: 4.18)

Paper in Edited Volume:

- Ghosh, S.** (2011) Climate Change and Groundwater Sustainability: A Scientific Critique” in the book “Environmental Concerns”, pp 19-30, published by Agrobios (India), ISBN No. (10): 81-7754-428-4, ISBN No. (13): 978-81-7754-428-2.
- Subrata Ghosh, S.** (2011) “Ergonomics: A Bridge Between Fundamentals and Applications” in the book “Basic Science: Prospects and Future Challenges”, pp 119-122, published by Govt. of West Bengal, ISBN: 978-81-908801-1-4.

Paper in special publication:**Book:**

Invited Monograph : Chanda, S. Title: “Epigenetics joins Genetics: Special reference to arsenic induced malignancy”. Lambert Academic Publishing USA. (in Press).

Seminar /Lecture Delivered/ Workshop attended in 2011:**Dr. Devashish Sen :**

Attended ICMSIP (International conference on Molecules to System Physiology) and delivered Plenary Lecture on Ergonomics and virtual reality vision in precision workers in Kolkata held at University of Calcutta on and from Sept. 21-23rd, 2011.

Attended 32nd Annual conference of Indian Association of Biomedical Scientists in Chandigarh, Punjab University, and delivered Invited Lecture on Role of Nutraceuticals in ameliorating health of precision workers, held on and from Nov. 11 to 13, 2011.

Chaired a Symposium regarding Exercise and performances on ICMSP, Kolkata held at University of Calcutta on and from Sept. 21-23rd, 2011.

Dr. Prabir Kr. Mukhopadhyaya:

Attended ICMSP (International conference on Molecules to System Physiology) and delivered Invited Lecture on Gonadoprotective effects of aqueous-methanolic extract of *Caesalpinia Bonducella* seed on streptozotocin induced diabetic male albino rats and Protective effects of α -tocopherol and ascorbic acid on arsenic induced toxicity of reproductive organs in adult male Wister rats.

Chaired a scientific session in ICMSP, Kolkata held on and from Sept. 21-23rd, 2011.

Attended 32nd Annual conference of Indian Association of Biomedical Scientists in Chandigarh, Punjab University and delivered invited lecture on "Studies on arsenic induced DNA damage and functional alterations on adult albino rat testis by supplementation of high dietary proteins" held on and from Nov. 11-13, 2011.

Attended **Sir J. C. Bose Memorial National Symposium** on Modern Trends in Animal Science Research and Challenges of the Day" organized by Dept. of Zoology and Molecular Biology & Genetics, Presidency University and delivered a lecture on "Studies on arsenic induced altered rat testicular functions in association with reduced prostate and seminal vesicle functions". held on and from March 23-25, 2011

Dr. Subrata Ghosh :

Attended ICMSP (International conference on Molecules to System Physiology) and delivered invited lecture "In search of work optimization amongst female agricultural workers in Bengal: A profile of Ergonomics and Systemic Physiology" held at University of Calcutta on and from Sept. 21-23rd, 2011.

Attended 32nd Annual conference of Indian Association of Biomedical Scientists in Chandigarh, Punjab University and delivered invited lecture on "Women in agriculture vis-à-vis unorganized sectors in west Bengal: A profile of Occupational Risk Assessment, malnutrition & Neo-ergonomics" held on and from Nov. 11-13, 2011.

Chaired a scientific session in ICMSP, Kolkata held on and from Sept. 21-23rd, 2011.

Acted as a Chair Person in a Symposium in the 32nd Annual Conference of Indian Association of Biomedical Scientists, organized by Centre for Nuclear Medicine, Panjab University, Chandigarh, held on and from November 11-13, 2011

Attended **DST sponsored Sir J.C. Bose Memorial National Symposium on Modern Trends in Animal Science Research and Challenges of the Day**, organized by Department of Zoology and Molecular Biology & Genetics, Presidency University, Kolkata, and delivered **Invited lecture** on "Global carbon overdrawal vis-a-vis carbon capture in soil: Role of pigmented microbes in Sunderban estuarine environment" on and from March 23-25, 2011.

Dr. Subrata Ghosh received the prestigious Invited Membership of American Nano Society, 2011.

Dr. Indrani Chakraborty:

Attended ICMSP (International conference on Molecules to System Physiology) and delivered invited lecture on "Gonadoprotective effects of aqueous-methanolic extract of *Caesalpinia Bonducella* seed on streptozotocin induced diabetic male albino rats" in Kolkata held on and from Sept. 21-23rd, 2011.

Delivered invited lecture on "Gonadoprotective effects of mixtures of aqueous-methanolic extracts of *Caesalpinia Bonducella* seed & of *Jussiaea Repens* on streptozotocin induced diabetic male albino rats" in 32nd Annual conference of Indian Association of Biomedical Scientists held on Chandigarh, Punjab University, from Nov. 11-13, 2011.

Dr. Mausumi Sikder:

Attended ICMSP (International conference on Molecules to System Physiology) and delivered invited lecture on "In search of an alternative to conventional antibiotics against *Staphylococcus aureus*: A study with *Catharanthus roseus* (Periwinkle/Nayantara leaf Extract)" held on and from Sept. 21-23rd, 2011.

Chaired a scientific session in ICMSP, Kolkata held on and from Sept. 21-23rd, 2011.

Prof. Alak Kumar Syamal:

Attended ICMSP (International conference on Molecules to System Physiology) and delivered invited lecture on "Nicotine and Hypertention: Role of AVP" held on and from Sept. 21-23rd, 2011.

Chaired a scientific session in ICMSP, Kolkata held on and from Sept. 21-23rd, 2011.

Dr. Nirmal Pradhan:

Attended ICMSP (International conference on Molecules to System Physiology) and delivered invited lecture on "Probable antispermatogenic activity of aqueous extract (leaf and stem) of *Kesardam* (*Jussiaea repens*): Emerging frontiers in alternative antifertility drug development." held in Kolkata, on and from Sept. 21-23rd, 2011.

Attended 18th State Science Congress 2011 and delivered oral presentation in on "Kesardam as a herbal male contraceptive" held on and from Sept. 21-23rd, 2011.

Dr. Sarmishtha Chanda.

Attended ICMSP (International conference on Molecules to System Physiology) and delivered invited lecture on Association of Cytochrome P450 gene Polymorphism in Arsenic induced Cancer held on and from Sept. 21-23rd, 2011.

Attended 18th State Science Congress 2011 and delivered oral presentation in "Biomarker Assessment in Psoriasis" (Best presentation award).

Invited lecture on "Aberrant methylation may serve as a potential biomarker for arsenic Cancer" Invited lecture in 2nd Annual Congress of Biomarker (WCB-2011) held in Beijing, China on and from 17th to 20th Nov'2011. (Paper presented on Bioconference live).

6. Staff List:**Faculty**

Devashish Sen. Head of the Department.

Prabir kr. Mukhopadhyaya

Alak Kr. Syamal

Subrata Ghosh

Indrani Chakraborty

Mausumi Sikder

Nirmal Kr Pradhan

Sarmishtha Chanda

A. Non Teaching :

Sri Tushar Chakraborty.

Sri Shymal Kanti Singha .

Sri Susanta Roy.

Smt. Jharna Sarkar.

Smt. Maya Hazra.

Guest Teachers:

Debojyoti Das.

Asoka Chakraborty

Anjan Biswas.

Shymal Roy Choudhuri

Bithi Sarkar

Retired Member of Faculty, Department of Physiology, Presidency College.

Retired Member of Faculty, Department of Physiology, Presidency College.

Retired Member of Faculty, Department of Physiology, Presidency College.

Retired Member of Faculty, Department of Physiology, Tamralipta Mahavidyalaya.

Former Dean of Science and Retired Member of Faculty, Department of Physiology, Vidyasagar University.

Amalendu Samanta.

Subir Nag

Subhashish Sahu

Debdut Ghosh Thakur

Bimal Mukhopadhyay

Muktish Acharya

Retired Member of Faculty, All India Institute of Health and Hygiene, Kolkata.

Principal, S. Roy College of Education, Kolkata.

Member of Faculty, Department of Physiology, Kalyani University.

Chief Reporter, Anandabazar Patrika.

Former Regional-in-Charge, L.P.A.

Assistant Professor, Department of Physics.

Visiting Teachers:

Netai Pada Bhattacharya

Naibedya Chattopadhyay

Utpal Choudhuri

Abhoy Sankar Chakraborty

Gour Gopal Ray

Tushar Chakraborty

Maitrayee Dasgupta

Anjan Dasgupta

Prakash Dhara

S.N. Kabir.

Rupak k. Bhadra

Dr P.B.Ghosh

Senior Scientist, Sana Institute of Nuclear Physics.

Deputy Director, CDRI, Lucknow.

Retired Professor, Department of Biophysics, Molecular Biology & Genetics, C.U.

Professor, Department of Biophysics, Molecular & Genetics, University of Calcutta.

Professor, IIT-Bombay, Mumbai.

Senior Scientist, IICB, Kolkata.

Senior Faculty & Scientist, Department of Biochemistry, University of Calcutta.

Professor, Department of Biochemistry, University of Calcutta.

Professor, Department of Physiology, Vidyasagar University.

Senior Scientist, IICB, Kolkata.

Senior Scientist, IICB, Kolkata

Institute of Wetland Management & Ecological Design. Department of Environment, Government of West Bengal

Vacant Positions:

Teaching : WBSSES -----3

WBES -----3

Non Teaching : ----2

Department of Statistics

News from the Department

The Department of Statistics bears the distinction of introducing the under-graduate course in Statistics in the whole of India in the year 1944. Incidentally, classes of the post-graduate department in Statistics under Calcutta University - the first of its kind in India, used to be held in this college for the first few years since its inception in 1941. This department was created under the guidance of Prof. P. C. Mahalanobis, the great statistician and national planner, and later acted as the precursor to the prestigious Indian Statistical Institute. The department later concentrated on teaching undergraduate statistics under the curriculum followed by Calcutta University. The untiring efforts of our former students, many of whom occupied prestigious positions in academia and government, have made this department proud. The year 2011 has been a watershed year not only to Presidency University but also to the Dept. of Statistics in particular. Statistics Department started its post graduate course this year. Also the first batch of under-graduate students under Presidency University was inducted this year. The performance of the present students in university examinations (C.U.) in 2011 has been commendable. The following table will give an idea of the performance of our students:

	Part I	Part II	Part III
Number of Students appeared	20	20	20
First Class	16	17	13

Students who graduated from this department are now pursuing their post graduate studies in different prestigious institutes in India. In a record of sorts, 10 students of the outgoing batch have secured admission to the M. Stat. courses of the Indian Statistical Institute. The rest of the students got admitted into the IIT's and Calcutta University.

The students of the Department also excelled in different co-curricular activities. In a recent UGC sponsored seminar on 'Application of Statistical Tools and techniques in Multidisciplinary Fields', held at Lady Brabourne College, Kolkata, the students of the present third year batch bagged the First and the Third prizes in the 'Poster Competition' event for students. In addition to the huge academic pressure of undergraduate and post graduate teaching, the faculty is involved in different fields of research in Statistics and Probability. Two of the teachers are undergoing their Ph D program from Calcutta University and Indian Statistical Institute.

List of Publications of the Teachers:

Bandyopadhyay, U. and De, S. (2011) : On Multi-treatment Adaptive Allocation Design for Dichotomous Response, Communications in Statistics Theory and Methods, 40, 1-21.

Seminar Lectures delivered by Teachers :

A. Biswas:

'Diffusive Limits of Adaptive MCMC' in Contemporary Issues in Applied Statistics, Jan, 2012, organized by Bayesian and Interdisciplinary Unit, Indian Statistical Institute (ISI), Kolkata.

Presented a poster titled 'Process Convergence of Self Normalized process where the random variables come from the domain of attraction of a stable

S. De:

'Multi-treatment Covariate-Adjusted Adaptive Design under Informative Censoring' in RESEARCH SCHOLAR DAY, 2011, organized by University of Calcutta on the 22nd February, 2011

STAFF LIST :**Teaching**

- Pipul Datta, Head
- Biswajit Roy
- Dr. Archana Das Roy
- Saurav De
- Arunangshu Biswas

Guest Teachers :

- Dr. Sisir Samanta
- Dr. Radhakanta Das
- Dr. Shirsendu Mukherjee

Non Teaching:

- Arun Moitra
- Sanat Kumar Nandy (Deputed)
- Santi Hela

Department of Zoology

News from the Department

The Department of Zoology continues its academic exercises with zeal. At present, it is successfully imparting Postgraduate education in Zoology as well as Molecular Biology and Genetics. The Head of the Department, Dr. Kamal Kumar Banerjee is taking efforts to modernize different laboratories of the Department. In the last session, 21 out of 23 candidates of the B.Sc. (Honours) Final Examination of Calcutta University secured First Class. One of them, Smt. Basanti Malakar bagged the second rank among the candidates in the University of Calcutta. At the M.Sc. level, the Department is now teaching as many as seven Special Papers in its Zoology course. In the last session, 28 out of 28 candidates of the M.Sc Final Examination secured First Class. The topper among them was Ankita Sil.

The Department has only eight full-time teachers with specialization in various branches of the subject. However, some retired and eminent teachers of different Universities and some Research Scholars are assisting in the academic exercise of the Department as Guest Teachers. Under the leadership of Dr. Kamal Kumar Banerjee, the Department organized several workshops to frame the syllabi of the Postgraduate course in Zoology as well as Molecular Biology and Genetics, and also the syllabi of the Undergraduate courses (Major and Extra Departmental) in Zoology, of Presidency University. These workshops were attended by External Experts like Prof. Subrata Kumar Dey, Prof. Sudhansu Kumar Ghosal, Prof. Santi Gopal Pal, Prof. Sachinandan Kundu, Dr. Debaprosad Chakraborti and Dr. Subhra Kumar Mukherjee. The Coordinators for these workshops were Dr. Tushar Kanti Mukherjee (P. G. course in Zoology), Dr. Nirmal Kumar Sarkar (P. G. course in Molecular Biology and Genetics) and Dr. Rina Rani Ray (U. G. course in Zoology).

The Department successfully organised 'DST (Govt. of India) Sponsored Sir J. C. Bose Memorial National Symposium on Modern Trends in Animal Science Research and Challenges of the Day' from March 23 to 25. The Symposium, which was inaugurated by the then Vice Chancellor, Prof. Amita Chatterjee, was attended by a total of about 200 Teachers, Scientists, Research Scholars and Postgraduate Students from different Institutes of West Bengal and some other States. Different participants orally presented more than 45 research papers in the Symposium. Invited scientific lectures were delivered by eminent Scientists like Prof. Jagat Kumar Roy of Banaras Hindu University, Dr. Avalokiteswar Sen of National Chemical Laboratory, Pune, Dr. Nripendranath Mandal of Bose Institute, Kolkata, Dr. Jnan Prakash Naskar of Jadavpur University and Dr. Santi Gopal Pal, formerly of University of Calcutta.

The Department organised an inter-disciplinary educational tour of Undergraduate Students to an Apiary cum Honey-processing Centre in South 24 Parganas District and a Workshop on Sericulture for Zoology Honours Students under DBT Star College Programme, now being run in the University. The Department also organized some hands-on Training Programs for the Undergraduate students under DBT Star College Program. Dr. Nirmal Kumar Sarkar acts as

Deputy Coordinator of DBT Star College Program in this University.

Postgraduate Students of Zoology completed a bio-ecological survey in Nagzira Wildlife Sanctuary and Tadoba-Andhary Tiger Reserve of Maharashtra during the first two weeks of April, under the able guidance of Dr. Kamal Kumar Banerjee and Sri Souryadeep Mukherjee. Undergraduate students undertook another bio-ecological survey in the Evergreen Forest patches of the Southern part of the Western Ghats in Kerala under the guidance of Dr. Kamal Kumar Banerjee, Dr. Rabindra Nath Mondal and Sri Souryadeep Mukherjee.

One M.Sc final year student of Zoology, Smt. Moumita Bakshi has qualified for the GATE, while Sri Arijit De passed the NET (National Eligibility Test). M.Sc. final year students Smt. Balaka Chatterjee and Smt. Sruti Banik of Zoology and Molecular Biology respectively, have qualified the last SSC Examinations.

Teachers of the Department are carrying on their research pursuits in different fields, in addition to sharing their routine teaching responsibilities. Smt. Debashri Mandal, a former student of M.Sc Course in Zoology procured the Rajiv Gandhi Memorial Scholarship and started her Ph.D work on Insect Neurobiology under Dr. Tushar Kanti Mukhopadhyay. Two Project Fellows have recently joined the Department to carry on their Ph.D. studies. One of them is Smt. Aditi Kundu who joined in January to work on Microbiology under Dr. Rina Rani Ray and the other is Sri Saikat Chakraborty who joined in March to work on Ecology under Dr. Tapas Kumar Misra. Dr. Misra received 'Bharat Siksha Ratan Award'2011, from Global Society for Health and Educational Growth, New Delhi. Sri Abhishek Banerjee, an alumnus of this Department, earned his Ph.D. degree from Massachusetts Institute of Technology, USA, for his investigations in the field of Neuroscience. Teachers and scholars of the Department participated in different seminars/and symposia. Different teachers acted as paper-setters, examiners and moderators of both Undergraduate and Postgraduate Examinations of different Universities. The Calcutta University utilized the infrastructure of our Department for conducting B.Sc (Honours) Practical Examination.

It may be added here that Prof. Trilochan Midya has retired from service at the end of February. Prof. Midya has recently been awarded the Emeritus Fellowship by the UGC. He is also teaching in the Department. Sri Ramnath Prasad, a non-teaching member has been transferred to some other Department at the fag end of the year. Currently, as many as 11 teaching posts and a few non-teaching posts in the Department are lying vacant. To run Postgraduate courses in Zoology as well as Molecular Biology and Genetics, along with an Undergraduate course in Zoology, with a limited number of teaching and non-teaching staff is difficult. However, the teachers, non-teaching staff and research scholars of the Department are working hard to keep up the reputation of our Department. The following Table highlights results of students in different examinations:

Examination	Examinees	First Class	Second Calss
B.Sc (Honours) Part-I	23	17	06
B.Sc (Honours) Part-II	17	15	02
B.Sc (Honours) Part-III	23	21	02
M.Sc (Zoology)	28	28	00
M.Sc (Molecular Biology & Genetics.)	15	15	00

Seminars held in the Department and Visitors to the Department :

Name of the Speaker/Visitor	Institutional Address	Topic
Prof. Jagat Kumar Roy	Department of Zoology, Banaras Hindu University	Genetic Studies and Human Welfare
Dr. Avalokiteswar Sen	Department of Entomology, National Chemical Laboratory, Pune	Sensory Basis of Host Pplant Selec tion in Insects
Dr. Nripendranath Mandal	Bose Institute, Kolkata	Biotechnology for Control of Diseases in Man and Animals
Dr. Jnan Prakash Naskar	Department of Chemistry, Jadavpur University	Macromolecular Stuidies in Biology
Dr. Santi Gopal Pal (Retired Professor) Dr. Abhishek Banerjee	Department of Zoology, University of Calcutta Massachusetts Institute of Technology, USA	A Tribute to Sir Jagadish Chandra Bose Ultrastructure of Synapse

Research Programmes of the Department:

Title of the Project	Principal and Co-investigators	Funding Agency	Amount (Rs.)	Research Worker
1. Production of microbial cellulase and their application in waste utilization.	Dr. Rina Rani Ray	Department of Science and Technology, Govt. of West Bengal	4.182 lakh	Moumita Karmakar (Project Fellow)
2. Studies on thermostable isoamylase from <i>Rhizopus stolonifer</i> and its application in sugar and alcohol production from starchy wastes.	Dr. Rina Rani Ray (Principal Investigator) ; Dr. Trilochan Midya (Co-investigator)	University Grants Commission	8.098 lakh	Barnita Ghosh (Project Fellow)
3. Production of fungal xylanase and its application in saccharification and xylitol production from wastes.	Dr. Rina Rani Ray (Principal Investigator) ; Dr. Trilochan Midya (Co-investigator)	Defence Research and Development Organisation Govt. of India	17.44 lakh	Aditi Kundu (Junior Research Fellow)
4. Diseases of economically important freshwater snails of West Bengal.	Dr. Tapas Kumar Misra	University Grants Commission	5.698 lakh	Saikat Chakraborty (Project Fellow)
5. Isolation and molecular characterization of microbial strains capable of aromatic hydrocarbon biodegradation.	Sri Souryadeep Mukherjee	University Grants Commission	1.17 lakh	Teacher himself
6. Study on the polytene chromosome polymorphism in Chironomids and their relation with pollution in aquatic bodies.	Dr. Trilochan Midya (retired)	Ministry of Environment and Forests, Govt. of India	23.4 lakh	One each of Research Associate, Junior Research Fellow and Animal-keeper

Publications by the Teachers of the Department :**Kamal Kumar Banerjee :**

1. Isolation, Purification and Biochemical Characterization of Aliphatic Hydrocarbon Degrading Strains from Faecal Samples of Chital Deer (*Axis axis*). (co-authors: S. Mukherjee, B. Gupta and R. Singh). Proc. Nat. Symp. on Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.
2. Observations on the group size and feeding behavior of Bonnet Macaque (*Macaca radiata radiata*) in the Western Ghats of Northern Kerala.. (co-authors: S. Mukherjee, R. N. Mondal, K. Roy, A. Banerjee and K.V. Uthaman). Proc. Nat. Symp. on Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.
3. "Observations on the endemic and threatened avifaunal diversity in the Western Ghats of Northern Kerala". (co-authors: S. Mukherjee, R. N. Mondal, A. Banerjee and A. De). Proc. Nat. Symp. On Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.

Tushar Kanti Mukherjee :

On a new synonym of an Indian Mantid. Proc. Nat. Symp. On Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.

Nirmal Kumar Sarkar :

1. Light and scanning electron microscopic studies on chromium-induced anaemia in a murine model. Bulletin of Environmental Contamination and Toxicology (USA), (in press) (Impact factor 1.131).

2. A preliminary study on the effects of fenugreek seed extract on diabetes melitus (co-authors: S. Sarkar and Q. A. Chakkaravarthy). Proc. Nat. Symp. on Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.

Rina Rani Ray :

1. Statistical optimization of FPase production from water hyacinth using *Rhizopus oryzae* (co-author: M. Kramakar). *J. Biochem. Tech.*, 3(1): 225-229.
2. Optimization of Endoglucanase Production in liquid state fermentation from water hyacinth by *Rhizopus oryzae* using Response Surface methodology (co-author: M. Kramakar). *Australian Journal of Basic and Applied Sciences*, 5(3): 713-720.
3. Isolation and characterization of extra cellular enzyme producing fungal strain of *Penicillium* sp. PU 10. (co-author : A. Kundu). Proc. Nat. Symp. on Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.
4. Production of isoamylase by *Rhizopus oryzae* utilizing food wastes. (co-author : B. Ghosh). Proc. Nat. Symp. on Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.
5. Production of extra cellular polygalacturonase by *Saccharomyces cerevisiae* from submerged fermentation of citrus wastes. Proc. Nat. Symp. on Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.
6. Optimization of extracellular beta-glucosidase production in submerged fermentation by *Rhizopus oryzae* MTCC 9642 using agrowastes (co-author: M. Kramakar). Proc. Nat. Symp. on Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.

Rabindra Nath Mandal :

1. Observations on the group size and feeding behavior of Bonnet Macaque (Dark Bellied Bonnet Macaque: *Macaca radiata radiata*) in the Western Ghats of Northern Kerala.. (co-authors: S. Mukherjee, K. K. Banerjee, K. Roy, A. Banerjee and K.V. Uthaman).Proc. Nat. Symp. on Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.
2. "Observations on the endemic and threatened avifaunal diversity in the Western Ghats of Northern Kerala". (co-authors: S. Mukherjee, K. K. Banerjee, A. Banerjee and A. De).Proc. Nat. Symp. On Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.

Tapas Kumar Misra :

Inter-relationship of biotic factors on the biology of freshwater snails *Lymnea (Radix) luteola* Lamarck. *Journal of Natural History* 7(1): pp. 7-12 ISSN 0973

Souryadeep Mukherjee :

1. Abhijit Dey, Trisha Das and Souryadeep Mukherjee, "In Vitro Antibacterial Activity of n-Hexane Fraction of Methanolic Extract of *Plumeria Rubra* L. (Apocynaceae) Stem Bark." *Journal of Plant Sciences*, Vol. 6 (3), 2011, 135- 142. ISSN: 1816- 4951.
2. Arijit De, Pinky Ghosh, Trisha Das, Souryadeep Mukherjee and Abhijit Dey. "In vitro antibacterial activity of two Apocynaceous plants *Alstonia scholaris* and *Plumeria rubra* against potent human pathogens". Proc. Nat. Sem. on "Recent Advances in Plant Sciences- Diversity, Conservation & its Applications", Rishi Bankim Chandra College in collaboration with West Bengal State University, November, 2011.
3. Souryadeep Mukherjee, Bhaskar Gupta, Kamal Kumar Banerjee and Richa Singh. "Isolation, Purification and Biochemical Characterization of Aliphatic Hydrocarbon Degrading Strains from Faecal Samples of Chital Deer (*Axis axis*)". Proc. Nat. Symp. On Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.
4. Souryadeep Mukherjee and Apurba Sarkar. Isolation and Characterization of Two "Extracellular Lipase producing Bacterial Strains from Nilgiri Biosphere Reserve, India", Proc. Nat. Symp. On Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.
5. Souryadeep Mukherjee, Trisha Das and Rajasi Ghosh. "Plasmid Incidence in Aliphatic Hydrocarbon Degrading Bacterial Cells", Proc. Nat. Symp. On Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.

6. Arnab Banerjee, K. V. Uthaman, Kuladip Roy, Souryadeep Mukherjee, Rabindranath Mandal and Kamal Kumar Banerjee. "Observations on the group size and feeding behavior of Bonnet Macaque (Dark Bellied Bonnet Macaque: *Macaca radiata radiata*) in the Western Ghats of Northern Kerala". Proc. Nat. Symp. On Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.
7. Arijit De, Souryadeep Mukherjee, K. V. Uthaman, Rabindranath Mandal, Arnab Banerjee and Kamal Kumar Banerjee. "Observations on the endemic and threatened avifaunal diversity in the Western Ghats of Northern Kerala". Proc. Nat. Symp. On Modern Trends in Animal Science Research and Challenges of the Day, Presidency University, March 2011.

Seminar Lectures delivered/attended by the Departmental Teachers

Kamal Kumar Banerjee :

1. DST Sponsored Sir J. C. Bose Memorial National Symposium on Modern Trends In Animal Science Research and Challenges of the Day, Presidency University, March 2011.
2. Celebration of International Year of Chemistry, Presidency University, December, 2011.

Tushar Kanti Mukherjee :

DST Sponsored Sir J. C. Bose Memorial National Symposium on Modern Trends In Animal Science Research and Challenges of the Day, Presidency University, March 2011.

Nirmal Kumar Sarkar :

1. DST Sponsored Sir J. C. Bose Memorial National Symposium on Modern Trends In Animal Science Research and Challenges of the Day, Presidency University, March 2011.
2. Celebration of International Year of Chemistry, Presidency University, December, 2011.
3. National Seminar under DBT Star College Program, Presidency University, April, 2011.

Rina Rani Ray :

1. DST Sponsored Sir J. C. Bose Memorial National Symposium on Modern Trends In Animal Science Research and Challenges of the Day, Presidency University, March 2011.
2. 17th West Bengal State Science and Technology Congress, Narendrapur Ramakrishna Mission, February, 2011

Rabindra Nath Mandal :

DST Sponsored Sir J. C. Bose Memorial National Symposium on Modern Trends In Animal Science Research and Challenges of the Day, Presidency University, March 2011.

Tapas Kumar Misra :

1. DST Sponsored Sir J. C. Bose Memorial National Symposium on Modern Trends In Animal Science Research and Challenges of the Day, Presidency University, March 2011.
2. UGC sponsored National Seminar on Loss of Biodiversity & Its Ethical Implications, Vidyanagar College, South 24 Parganas, September, 2011..

Souryadeep Mukherjee :

1. National Seminar on Recent Advances in Plant Sciences- Diversity, Conservation & its Applications, Rishi Bankim Chandra College, Naihati, November, 2011.
2. DST Sponsored Sir J. C. Bose Memorial National Symposium on Modern Trends In Animal Science Research and Challenges of the Day, Presidency University, March 2011.

Staff list :

Teaching Staff :

Kamal Kumar Bandyopadhyay
Tushar Kanti Mukhopadhyay
Nirmal Kumar Sarkar
Rina Rani Ray
Rabindranath Mandal
Tapas Kumar Misra
Debasish Das
Souryadeep Mukherjee
Sudhansu Kumar Ghosal (Guest teacher)

Non-teaching Staff :

Gobinda Chandra Nath
Sushil Kumar Barik
Kashi Nath Mondal
Sibu Hansda
Sankar Hela

Madhusudan Ghosal (Guest Teacher)
Santigopal Pal (Guest Teacher)
Paramtap Sarkar (Guest Teacher)
Momita Karmakar (Guest Teacher)

Vacancy Position (As recorded in Erstwhile Presidency College) :

A. Teaching :

W.B.S.E.S. : 3 posts (1 for Zoology and 2 for Molecular Biology and Genetics).
W.B.E.S. : 8 posts (3 for Zoology and 5 for Molecular Biology and Genetics).

B. Non-teaching :

Skilled bearer : 2 posts
Specimen collector : 1 post
Sweeper : 1 post

Molecular Biology and Genetics :

A distinct Postgraduate course in Molecular Biology and Genetics is being taught in the Department of Zoology of our University for the last six years. All teachers of the Department and a few eminent retired Professors of different Universities and some Research Scholars participate in the teaching process. DR. Nirmal Kumar Sarkar has been given the responsibility of the Coordinator of the course.

Two of the freshly pass-out students, Arijita Ghosh and Soumita Mukherjee have qualified the last NET (result published in February, 2011); the latter secured an all-India rank of 143. Another pass-out student, Susanta Chatterjee qualified the last GATE (result published in March, 2011). Sruti Banik of the same batch qualified the last SSC Examination (result published in February, 2011). Moreover, Sanjay Dey (NET-qualified), who completed M.Sc Course in the last year, secured INSPIRE Fellowship of Government of India and joined All India Institute of Medical Sciences, New Delhi, in this year for his Ph.D pursuit. Aditit Ganguly (NET-qualified), another pass-out of M.Sc Course, joined as a CSIR JRF for carrying out her Ph.D work in the Bioinformatics Department of this University in April, 2011. Debasmita Mukherjee joined Indian Institute of Chemical Technology, Hyderabad, as a JRF, for pursuit of her Ph.D study. Four pass-out students, Smt. Somdatta Chatterjee, Smt. Soumita Mukherjee, Arijita Ghosh and Rituparna Roy were awarded Scholarship by the DBT-Centre for Bioinformatics of this University. Rudra Prasanna Banerjee of the present M.Sc final year qualified the last GRE and TOEFL and is now preparing himself for a research career in USA. It may be added here that an alumnus, Shaon Debnath, now carrying out Ph.D work in City University, New York, succeeded in this year to obtain US patent for sweet curry (Curcumin) for dissolving amyloid plaques in the brain of patients of Alzheimer's disease. Rupsa Basu of the same batch secured Indira Gandhi Memorial Scholarship from Govt. of India for pursuit of Postgraduate study. The present final-year students are enthusiastically carrying out different project works and are also, preparing themselves for delivering seminar lectures on different topics of Molecular Biology and Genetics.

However, we have no room for self-complacence. We must work hard to achieve further success in the future. Moreover, the filling-up of the vacant faculty positions will definitely add to our strength

**DBT CENTRE FOR BIOINFORMATICS
PRESIDENCY UNIVERSITY, KOLKATA INDIA
(BIF-BTBI under BTISnet, Department of Biotechnology, Govt. of India)**

The DBT Centre for Bioinformatics, Presidency University (Formerly Bioinformatics Infrastructure Facility (BIF-BTBI) at Presidency College, Kolkata) has started taking shape in 2007 as one of the fifty five BIF Centers, under the Biotechnology Information System Network (BTISnet) of the Department of Biotechnology, Government of India. The status of BIF was elevated to DBT Centre for Bioinformatics during the XIth Five Year Plan and presently it serves as a repertoire of information related to Bioinformatics and promotion of Biology teaching through Bioinformatics (BTBI) in Eastern India. Bioinformatics Infrastructure Facility (BIF) was initially housed at the Central Library Building (Ground Floor) with the facilities, viz. High-end IBM Server with (24x7) Internet connectivity, ten high-end Termi-

nals, HP Workstation FX meant for Undergraduate, Postgraduate Students and Research Scholars in the relevant field for Bioinformatics related academic and research activities. It was later shifted to the first floor of Derozio Building as an independent and full-fledged Centre with ten additional high end terminals, provided by DBT, Government of India during XII Five Year Plan. Two short term training programmes on Drug Designing, QSAR, QSTR and Applications and one International Seminar on Biological Pattern Matching and Materiomics were organized during the preceding year to train the students, teachers and researchers. This year also, four studentships and four traineeships are being offered from this Centre.

Bioinformatics employs a wide range of computational techniques including sequence and structure alignment, database and software design, data mining, analysis of structure and fold of macromolecules, phylogenetic tree construction, prediction of protein structure and function, gene finding, analysis of expression data, etc. With the flood of data from genome sequences there is a need to develop novel algorithms to predict protein structure (including quaternary state) and function on genomic scale, assign proteins to know pathways and protein-protein interaction networks and to use the information for drug discovery and design as well as many other promising fields.

Structure of the BTISnet: The network consists of 6 Centre of Excellences (COEs), 10 Distributed Information Centres (DICs), 50 Sub-Distributed Information Centres (Sub-DICs), 55 Bioinformatics Centres (BC/BIF) and a Biotechnology Information Centre (BTIC), which is the apex center for the BTISnet. The Department has established six major Interactive Graphics Facilities to promote developmental activities in Bioinformatics. A supercomputing facility has also been set up at IIT Delhi specifically for the Genomics and Proteomics activities. Human resource development in Bioinformatics has been recognized as an important activity under this network. Towards meeting the needs of trained bioinformatics professionals, various long-term courses namely postgraduate advanced diploma, M. Tech., M.Sc. and Ph.D. courses are being offered at reputed institutions.

Seminars / Workshops organized by the Centre:

Seminars / Workshops	Date	Name of the Speakers/Instructors
National Workshop on Drug Designing, QSAR, QSTR and Applications (in collaboration with APT Software and Department of Biotechnology Jadavpur University, Kolkata)	4th 6th & 25th 27th March, 2011	Prof. Kunal Ray
International Seminar on Biological Pattern Matching and Materiomics (in collaboration with Apsara Innovations Bangalore)	12th & 13th December, 2011	Dr. Hannes Schwiger Prof. Subhasish Mukherjee Dr. Saikat Chakraborty

List of Publications:

(In Peer Reviewed Journals)

Structural analyses of heparin-binding hemagglutinin (HBHA) of Mycobacterium tuberculosis A potential vaccine. Sayak Ganguli, Debdoot Gupta and Abhijit Datta. International Journal of Computational Biology, 3 (4); 2011.

Secondary structural analyses of microRNAs and precursors in Pan troglodytes. Moumita Adhikary, Sasti Gopal Das, Sayak Ganguli, Hirak Jyoti Chakraborty and Abhijit Datta. International Journal of Computational Biology, 3 (4); 2011.

Structural analyses of predicted HIV 1 SECIS elements. Paushali Roy, Sayak Ganguli, Pooja Sharma, Protip Basu and Abhijit Datta. World Journal of AIDS 2011 [online publication: (<http://www.SciRP.org/journal/wja>)]
Computational screening of herbal lead compounds and analogues against Ataxin and TAU. Sayak Ganguli, Rahul Banik, Aditi Gangopadhyay and Abhijit Datta. Journal of Pharmaceutical and Biomedical Sciences JPBMS, 12 (7); 2011.

ANTAGOMIRBASE: A putative Antagomir database. Sayak Ganguli, Sanga Mitra and Abhijit Datta. Bioinformation, 7 (1); 2011.

Analyses of Argonaute-microRNA interactions in Zea mays. Sayak Ganguli, Moumita Dey and Abhijit Datta. International Journal of Computational Biology, 2 (1); 2011.

- Phylogenetic lineages of Gurmarin An essential sugar mimic. Sayak Ganguli, Priyanka Dhar and Abhijit Datta. Journal of Pharmaceutical and Biomedical Sciences JPBMS 4 (6); 2011
- Secondary structural analyses of microRNA and their precursors in plants. Amit Kumar Das, Sayak Ganguli, Sohini Gupta and Abhijit Datta. International Journal of Agriculture Sciences 3 (1); 2011.
- Pseudoknots in human SNRNPs. Sanjay Kumar Dey, Sayak Ganguli, Paushali Roy, Protip Basu, Hirak Jyoti Chakraborty and Abhijit Datta. International Journal of Bioinformatics Research, (3) 1; 2011.
- Inhibiting H5N1 hemagglutinin with small molecule ligands. Aditi Gangopadhyay, Sayak Ganguli and Abhijit Datta. International Journal of Bioinformatics Research, (3) 1; 2011.
- LANTIBASE - A Lantibiotics resource. Hirak Jyoti Chakraborty, Protip Basu, Sayak Ganguli, Sasti Gopal Das, Paushali Roy, Sohini Gupta and Abhijit Datta. Journal of Pharmaceutical and Biomedical Sciences JPBMS 3 (13); 2011.
- An in silico analyses of telomerase and telomere bonding proteins. Sayani Mitra, Sayak Ganguli and Abhijit Datta. International Journal of Computational Biology, 2 (1); 2011.

(Book Chapters)

- Whispering Death Bioinformatics of RNA Induced Silencing (Chapter 1); Sayak Ganguli and Abhijit Datta
- Bioinformatics Sequence, Function and Therapies (Chapter 18) Abhijit Datta and Sayak Ganguli
- - In "Advances in Life Sciences: Principles and Applications" (IN PRESS)
- RNAi Interactomics and Therapeutics (Chapter 19) Sayak Ganguli and Abhijit Datta
- - In: "RNAi Technology" Edited By: V.K. Gupta CRC Press, USA 347-356.

Invited Lectures (as Resource Person):

1. Dr. Abhijit Datta

"Bioinformatics Vistas"

Workshop on Bioinformatics, organized for University & College Teachers by Department of Microbiology, Burdwan University, Burdwan.

2. Mr. Sayak Ganguli

"Bioinformatics Case Studies"

National Workshop on Drug Designing, QSAR, QSTR and Applications, Organized by DBT CBPU, Kolkata. "Bioinformatics and its applications in Biotechnology"

Seminar and Workshop on Bioinformatics, organized by Sikkim Manipal University (DDE) Kolkata.

In House (Monday) Seminars: (by Summer Trainees, Research Scholars)

- Somdatta Chatterjee: Overview of Influenza, H5N1 & H1N1;
- Soumita Mukherjee: TOLL-Like Receptor 3;
- Arijita Ghosh: Interferon inducible dsRNA activating PKR;
- Rituparna Roy: 2'-5' OAS;
- Tanusri Nandi: MAP Kinase Part I and MAP Kinase Part II;
- Aditi Gangopadhyay:
 - Small molecule inhibitors of the H5N1 HA;
 - DIABETES: Spread the Word;
- Sasti Gopal Das:
 - SVM, TARM1 & Hidden Markov Model;
- Moumita Adhikary:
 - Computational analysis and in vitro studies on Dolichos biflorus L.;
 - Structural analyses of Micro RNAs in Pan troglodytes;
- Hirak Jyoti Chakraborty:
 - Protein folding and computational modeling;
 - Application of PERL;
- Paushali Roy: HIV I Replication cycle and regulatory elements;

- Sayak Ganguli:
 - Exo/Astrobiology: The search continues;
 - RNA World and evolution of eukaryotes;
 - The modern RNA World A compendium on structural complexities and structural signatures;
 - Coevolution;
 - Materiomics;
 - Computational contributions in diabetes research;
 - Polyvalency in drug design;
- Protip Basu: Biological classification and role of sequence analysis;
- Sohini Gupta:
 - Elucidation of DNA repair;
 - Viral silencing suppressors An overview.

Contact Programmes:

- Contact Programme for UG students of host institution - Presidency College/University Botany, Zoology and Physiology.
- Contact Programme for UG/PG students of external colleges - APC College, Barasat Government College, Bidhannagar College, Vidyasagar College.
- M.Sc. Physiology 1st Semester Classroom Programme (Theoretical and Practical) to cover the module on Bioinformatics.

Staff List:

1. Sayak Ganguli - Research Assistant, DBT, Govt. of India;
2. Hirak Jyoti Chakraborty Laboratory Assistant, DBT, Govt. of India.

Contact Person:

Dr. Abhijit Datta,
Coordinator, DBT Centre for Bioinformatics
(BII BTBI under BTISnet, DBT, Government of India)
Presidency College, 86/1, College Street, Kolkata 700073,
e-mail: pckolkata.btisnet@nic.in; abhijit_datta21@yahoo.com

The Presidency College Library

The Annual report covers the period from 1st January, 2011 to 31st December, 2011. The following table shows the new additions made to the different libraries of this institution in respect of books and CDs during the period under review :

Number of Books purchased in the year 2011

Name of Library	No. of Books
Arts Library (including Hindi)	1827
Science Library	1623
Economics & Political Science Library	191
Centre for Economic Studies Library	x
Total	3641

Books & CDs Received as Gift during Last Five Years

Year	2007 - 2008	2008 - 2009	2009-2010	2010 - 2011	2011 (March - Dec.)	Total
No. of Books	95	104	163	124	176	662
No. of CDs/DVDs	2	10	32		10	54

Total Number of Books : 3, 66,726
Total Number of Periodicals : 1, 52,400
Number of Electronic Non - book Materials : CDs & DVDs -- 350

Preservation of Books & Rare Documents

Binding : No recurring grant for binding of books has been sanctioned by the Government. At present the Library has a huge number of books and journals which require immediate binding.

Pest Control : We have very old and rare collections in our libraries housed in old buildings of the University. So, effective and regular pest control can only save our priceless collections. The Arts Library and the Science Library, which are infested with termites, need special attention.

Cataloguing of Books and Journals

The work of computerized cataloguing of current books in the Science Library and Economics & Political Science Library are satisfactory. With the introduction of LIBSYS 4 (Release 5.0) software supplied by M/S LibSys Corporation and installation of a powerful server, up-gradation of existing computers and LAN between all the Libraries, the Cataloguing and the Bibliographical control have been achieved. But all the Libraries suffer from dearth of manpower for the work of data-entries. A proposal for data entry of the backlogs has been submitted to the Authority for consideration.

Accommodation of Readers

During the period under review the Presidency Library has suffered badly in regard to accommodating students in the reading rooms. The space available in the reading room of the Arts Library is hardly sufficient. The Economics and Political Science Library is also facing the same problem. The Arts Library including the Hindi Library does not have adequate number of seats for growing number of students. Purchase of new chairs and tables for readers is a crying need and the funding authority should give the matter top priority.

Library Staff

First, let us look into the present staff members of our libraries which should be similar to the staff strength (technical + administrative) of a university library. Barring the Senior Librarian, who is to look after organization and

administration of all Libraries, there were 10 (Ten) sanctioned posts of Librarian in the Presidency College Library.

The following chart shows the existing No. of Librarians :

	Existing	Vacant	Total
Senior Librarian	Nil	1	1
Arts Library	1	3	4
Science Library	1	2	3
Economics & Political Science Library	Nil	1	1
Hindi Library	Nil	1	1
Centre for Economics Studies Library	Nil	1	1
Total	2	9	11

Other than Librarians there are no Technical, Semi-technical or Group-D posts in the Library. The Establishment Attendants belonging to Group-D category are provided by the College Office and they are transferable to other departments.

In view of the increase in the workload of the library consequent on the introduction of PG Courses and new disciplines, proposal for creation of posts of Library Assistants (Group C) has been put forward on several occasions. Sufficient number of technical staff adequately qualified in the field of Library and Information Science and equipped with a knowledge of computer is immediately required to cope with the changed situation. A number of proposals for recruiting part time Project Assistants, Group C and Group D staff trained to handle computers for smooth running, updating and upgrading library services have been submitted to the Authority for consideration. The need for the additional staff persists even after the retirement of five Librarians during the last five years. Moreover, the transfer of two Librarians without substitutes has created a void in the library service.

Considering the ever-growing stock of the library and its related activities the College authority was also requested number of times for the creation of the posts of Library Attendants, Sorters, and Farashes. The posts of Farashes are imperatively needed for exclusive purpose of cleaning and dusting of books and equipment all the year round. A detailed proposal has been sent to the Government for consideration.

A scheme for expansion of Library staff for keeping the library open in the morning, evening and on Sundays was first submitted to the Director of Public Instruction, West Bengal in 1952. For the last 53 years the extension of library hours has remained unfulfilled.

Also pending since 1952 is a decision on the proposal submitted by the Library for the appointment of two additional bearers who would be stationed near entry points to the Libraries. Their function would be to prevent the entry of student-readers who are unable to produce their Readers' Tickets, and issue tokens for books, umbrellas, rain-coats, bags and the like deposited with them by readers before entering the Libraries. This would help to a certain extent to check the influx of unauthorized outsiders into the Libraries. For security of valuable books and journals the posts of Darwans for each library are badly needed.

Miscellaneous

The Science Library was shifted from the first floor of the Derozio Building to the Central Library Building and since July 2008 it has been functioning there. A sizable portion of the annex stack hall of the Arts Library has been converted to a Seminar Hall of the College. As a result, the collection of rare and valuable books and journals has found its new home in the Central Library Building. But for lack of sufficient man power the proper arrangement of the collection has not been made possible.

A portion of the Hindi collection has been shifted from the Arts Library to the first floor of the Central Library Building. The students of the Hindi Department are now enjoying the facilities of circulation and reading rooms there.

The problem of sweeping and cleaning work in the Arts Library and the Central Library Building remains the same as in the previous years.

Our youngest and ever enthusiastic Librarian Smt. Soma Basu has been supervising the activities of Presidency Choir, an official group entrusted with the responsibility of performing cultural programme in the University. Smt. Basu is also a key member of the Editorial Board of the Prasangiki (Annual Report of the Presidency University).

After serving nearly 13 years in the college Shri Debnarayan Chakrabarti, Senior Librarian retired in the month of

We are thankful to him for his devotion, cooperative attitude and untiring service as Senior Librarian.

Staff List

Librarians

Shri Bijoy De
Smt. Soma Basu

Other Staff

Smt. Rita das
Shri Prasanta Kumar Mandal
Shri Swapan Kumar Mukherjee
Smt. Sabitri Barik
Shri Timir Baran Samanta
Shri Madan Mohan Datta
Shri Pradip Banerjee
Md. Shoukat
Shri Somnath Chatterjee
Smt. Chameli Das
Smt. Sulata (Kundu) Khan
Shri Balmiki Prasad
Imam Rasul
Shri Srikanta Patra
Shri Gautam Ray

Games and Sports Section

The games and sports section of the College has been tireless in its effort to instill awareness in the students, of the importance of Physical activities along with academic activities.

The Festival Cricket Match between the Past and Present students was held on 15th January 2011. Present students won the match.

The Presidency University Games 2011 was held on 20th and 21st December 2011. The inaugural and closing sessions of the Games were presided over by the Hon'ble Vice Chancellor Professor Malabika Sarkar. Sri Samar (Bodru) Banerjee, Olympian Footballer was the Guest of Honour during the Inaugural Session. Events were organized to ensure participation of all sections of the college viz. Students, Teachers and other Staff members. Paromita Samaddar (UG II Hindi) became the Individual Girls Champion. Ratul Mondal (UG II Physics) became the Individual Boys Champion. The Departmental Championship was won by Hindi Department. Smt. Dola Banerjee, International Archer & Arjuna Awardee was the Guest of Honour during the Closing Session of the Games.

It is a great honour for the University that Soumya Thakurata of 2nd Year Economics represented Calcutta University in the Asian Inter University Chess Meet in Malayasia and won the team championship. In the individual category he was 2nd Runner up.

Monalisa Mukherjee of 2nd Year History, was a member of the Calcutta University Table-Tennis Team for the Inter University East Zone as well as the All India Championship. She secured 2nd Position in both the tournaments.

Next year Festival Cricket Match will be held on 14th January 2012.

Staff List:

Non-teaching
Sri Sabitabrata Paul.

APPENDICES



Appendix - 1

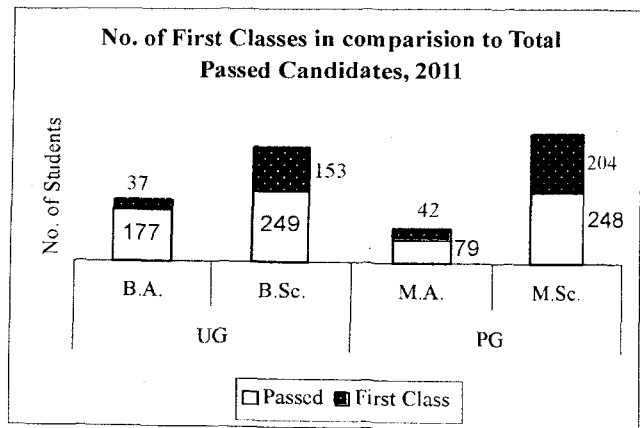
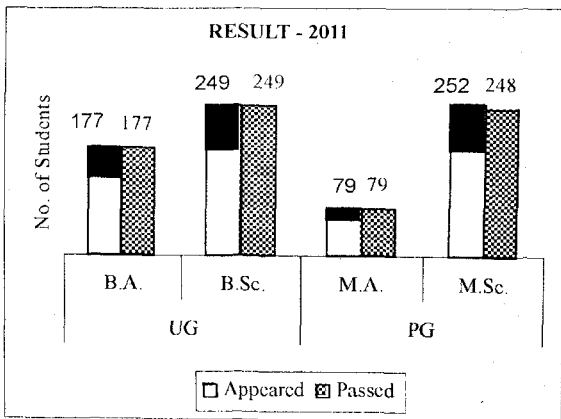
Synopsis of Results in 2011

Subject	UG			PG		
	Appeared	Passed	Ist Class	Appeared	Passed	Ist Class
Bengali	30	30	03	20	20	15
English	18	18	08	27	27	16
Hindi	23	23	03	32	32	11
History	33	33	06			
Philosophy	28	28	06			
Pol. Sc.	21	21	01			
Sanskrit	01	01	-			
Sociology	23	23	10			
Biotechnology				10	10	10
Botany	26	26	19	24	23	23
Chemistry	38	38	30	27	26	20
Economics	36	36	21	23	23	21
Environmental System Management				18	18	15
Geography	20	20	04	26	26	18
Geology	25	25	16	13	13	13
Maths	21	21	03			
Molecular Biology & Genetics				15	15	15
Physics	31	31	17	45	43	42
Physiology	16	16	11	22	22	18
Statistics	15	15	13			
Zoology	21	21	19	29	29	29

Appendix - 2

Results at a Glance

Stream	Appeared	Passed	First Class
B.A.	177	177	37
B.Sc.	249	249	153
Under Graduate	426	426	190
M.A.	79	79	42
M.Sc.	252	248	204
Post Graduate	331	327	246



Appendix - 3

LIST OF PRIZE WINNERS

B. BASED ON THE RESULTS OF B.A./B.SC. PART - I, II & III COMBINED EXAMINATION, 2011 (1+1+1 System)

1.	Utsaleena Das Roll - 127 (Sociology)	Nirode Baran Bakshi Memorial Prize	Highest marks in Eng/Beng/Hist/Phil /Pol. Sc./Soc./Hindi Hons. Exam.
	- Do -	Dr. Syamal Kumar Chattopadhyay Memorial Scholarship (Donated by Pradip Kumar Chattopadhyay)	-Do-
2.	Rimi Dey Roll - 207	Kartick Chandra Mallick Memorial Medal	Highest marks in Philosophy Hons. Exam.
	- Do -	Prof. Prabhas Jiban Chaudhuri Prize (Donated by Ashabari, Ritabari Ruchira Chaudhuri and Durgadas Bandyopadhyay)	-Do-
3.	Sumanta Chakraborty Roll - 13 (Physics)	Nirode Baran Bakshi Memorial Prize	First from the College in B.Sc. Hons. Exam.
	- Do -	Manaranjan Mitra Memorial Prize (Donated by Prof. Manindra Mitra)	Highest marks in B.Sc. Hons. Exam. Except Mathematics
	- Do -	Priyadarajan Roy Memorial Prize (Donated by Dilip Kumar Roy)	Highest marks in Chem/Physics Hons. Exam.
	- Do -	Swapan Saha Memorial Prize	Highest marks in Physics Hons. Exam.
	- Do -	Monindranath Saha Memorial Prize (Donated by Binita Roychoudhury)	- Do -
	- Do -	Makhanlal Sarkar Memorial Prize (Donated by Manjari Basu)	- Do -
4.	Isita Jhulki Roll - 65	Cunninghum Memorial Prize	Highest marks in Chemistry Hons. Exam.
	- Do -	Acharyya Prafulla Ch. Roy Centenary Prize	-Do-
	- Do -	Prof. Pratul Ch. Rakshit Prize	-Do-
5.	Md. Moniruzzaman Roll - 149	Sushil Kumar Banerjee Memorial Medal (Donated by Ranu & Purabi Banerjee)	Highest marks in Mathematics Hons. Exam.
	- Do -	Arabinda Mukhopadhyay Memorial Medal (Donated by Rabibrata Mukherjee & Purabi Mukherjee)	-Do-
	- Do -	Gyanendra Bhushan Mukherjee Prize (Donated by Anil Kumar Mukherjee)	- Do -
	- Do -	Meghnad Saha Memorial Prize (Donated by Shyamsundar Basak)	- Do -
	- Do -	Bibhuti Bhusan Sen Prize (Donated by Prof. Manindra Mitra)	- Do -
	- Do -	Shobhana Devi & Upendra Narayan Bhattacharya Memorial Prize (Donated by Dip Bhattacharya)	- Do -

Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
6.	Tania Roy Roll - 219	Sushil Kumar Banerjee Memorial Medal (Donated by Ranu & Purabi Mukherjee)	Highest marks in Statistics Hons. Exam.
	- Do -	Prof. Prasanta Ch. Mahalanabis Prize (Donated by Statistics Reunion Festival 1974)	-Do-
	- Do -	Ahibhushan Chatterjee Memorial Prize (Donated by Samprit Chatterjee)	-Do-
	- Do -	Kankana Chakraborty Memorial Prize (Donated by Nirmalansu Chakraborti and Runa Chakraborti)	
7.	Anubhab Laha Roll - 240	J. C. Nag Memorial Medal	Highest marks in Botany Hons. Exam.
	- Do -	Dhirendra Nath Chatterjee Memorial Prize (Donated by Prof. Tarapada Chatterjee)	-Do-
8.	Puja Kankrania Roll - 181	J.C. Sinha Prize & U.N. Ghosal Prize	Highest marks in Economics Hons. Exam.
	- Do -	Debasish Ch. Memorial Prize (Donated by D. Chandra)	- Do -
9.	Saptarshi Chakraborty Roll - 222	Ahibhushan Chatterjee Memorial Prize (Donated by Samprit Chatterjee)	Second Highest marks in Statistics Hons. Exam.
10.	Md. Montazimullah Siddiquee Roll - 403	Charusila Devi Prize (Donated by Santosh Kumar Chatterjee)	Seond Highest marks in Mathematics Hons. Exam.
11.	Ria Dutta Roll - 343	Ramanuj Pattu Ayanger Memorial Prize	Third Highest marks in Mathematics Hons. Exam.
12.	Satyabrata Maiti Roll - 40	College Book Prize	Highest marks in Chemistry Hons. among the students admitted in the 1st yr. M.Sc.Class
13.	Sumeet Tsering Roll - 304	Prof. Subodh Ch. Mahalanabis Memorial Prize (Donated by Prof. Sachchidananda Banerjee)	Highest marks in Physiology Hons. Exam.
14.	Basanti Malakar Roll - 272	Aparajita Memorial Medal (Donated by Prof. Dilip Chakraborty)	Highest marks in Zoology Hons. Exam.
	- Do -	Dr. Sivatosh Mookherjee Memorial Prize (Donated by Re-Union Committee Deptt. of Zoology)	- Do -
15.	Shaswata Pandey Roll - 118	Geographical Institute Prize	Highest marks in Geography Hons. Exam.
	- Do -	Geographical Institution Prize	Highest marks in Geography Hons. Practical Exam.
16.	Narayan Bose Roll - 113	Nihar Ranjan Dutta Memorial Prize (Donated by Suryadipta Dutta)	Highest marks in Geology Hons. Exam.
17.	Somak Biswas Roll - 69	Kuruvilla Zacharia Memorial Prize	Highest Marks in History Hons. Exam.
	- Do -	Khagendra Pal Chaudhuri memorial Scholarship (Donated by Prof. Joytirmoy Pal Chaudhuri)	Highest marks in Hist. Hons. Exam.
	- Do -	Himani Devi Memorial Prize (Donated by Kamal Kumar Ghatak)	- Do -
	- Do -	Ajoy Banerjee Memorial Prize	- Do -
	- Do -	Punyalekha Banerjee Memorial Prize (Donated by Atish Ranjan Banerjee)	- Do -
18.	Amitava Pal Roll - 17	Prof. Amal Bhattacharyya Memorial Prize (Donated by Sukumari Bhattacharya)	Highest marks in English Hons. Exam.

Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
	- Do -	Prof. Tarapada Mukherjee memorial Prize (Donated by Prof. Ashok Mukherjee)	- do -
	- Do -	Taraprasad Mukherjee Silver Medal (Donated by Shyamaprasad Mukherjee)	- do -
	- Do -	Bibhabati Sarkar Memorial Prize (Donated by Manjari Basu)	- do -
	- Do -	Satish Ranjan Banerjee Memorial Prize (Donated by Atish Ranjan Banerjee)	- do -
	- Do -	Prof. Amulyadhan Mukherjee Birth Centenary Plaque (Donated by Sri Amit Mukherjee)	- do -
	- Do -	Jyotish Chandra Roy Memorial Prize (Donated by Syamal Kr. Roy)	- Do -
19.	Aditi Banerjee Roll 31	Bibhuti Bhusan Bandyopadhyay Prize (Donated by Prof. Haraprasad Mitra)	Highest marks in Bengali Hons. Exam.
	- Do -	Asutosh Mukherjee Memorial Prize (Donated Syamsundar Basak)	- do -
	- Do -	Prof. Amulyadhan Mukherjee Birth Centenary Plaque (Donated by Sri Amit Mukherjee)	- do -
	- Do -	Bani Basu Memorial Prize	Highest marks in Bengali Hons. Exam. among the Girls students
20.	Rituparna Mukherjee Roll - 247	- Do -	Second highest marks in Bengali Hons. Exam. Among the Girls students
21.	Dipanjan Das Roll - 99	Rajendra Kishor memorial Prize (Donated by Dr. Nirmal Chandra Basu)	Highest marks in Pol. Sc. Exam.
	- Do -	Naresh Ch. Chakroborty Memorial Prize (Donated by Musical Majumder)	- Do -
	- Do -	Nitish Chandra Chakraborti Memorial Prize (Donated by Prof. Debanjan Chakraborty)	- Do -
	- Do -	Chandan Kumar Bhattacharyya Memorial Prize (Donated by Mrs. Atasi Bhattacharyya)	- Do -
22.	Utsaleena Das Roll - 127	Nirmal Ch. Basu Roy Chaudhuri Memorial Prize (Donated by Bela Basu Roy Chaudhuri)	Highest marks in Sociology Hons. Exam.
23.	Priti Kumari Singh Roll - 166	Akhil Bharatiya Pragatisil Sultanpur Samaj Prize	Highest marks in Hindi Hons. Exam.
24.		Mahadev Maity Memorial Book Prize (Donated by Shyamal Kumar Maity)	Highest marks in B.A./B.Sc. Hons. Exam. among the students of the reserved quota.
	a) Saikat Das Roll - 74	Prof. Ram Gopal Bhattacharyya Memorial Scholarship (Donated) by Smt. Purnima Bhattacharyya)	3rd Year Student on merit -cum- mean basis in Chemistry Bio-Chemistry

Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
A. BASED ON THE RESULTS OF B.A./B.SC. PART - I & II (Combined) EXAMINATION, 2011 (1+1+1 System)			
25.	Subhanip Biswas Roll - 42 (Ch)	Kanakprava Devi & Jyotish Ch. Chakroborti Memorial Scholarship (Donated by B.K. Chakraborty)	Highest Marks in B.A./B.Sc. Hons. Exam
	- Do -	Scindia Silver Medal & Gwalior Book Prize	First from the College in B.Sc. (Hons.) Exam.
26.	Tathagata Paul Roll - 15	Jayanta Bijoy De Memorial Scholarship (Donated by Mrs. Sukla De)	Highest marks in Physics Hons. Exam.
	- Do -	Kartick Ch. Mukherjee Memorial Prize	- Do -
	- Do -	Parthasarathi Gupta Memorial Prize (Donated by Prof. Parimal Sen)	- Do -
27.	Raj Kumar Sauti Roll 135	Dr. Satinath Bagchi Memorial Prize (Donated by Pratul Kumar Bagchi)	Highest marks in Mathematics Hons. Exam.
28.	Anu Gupta (Sociology) Roll - 132	Scindia Silver Medal & Gwalior Book Prize	First from the college in B.A. (Hons.) Exam.
	- Do -	Arun Kumar Roy Memorial Prize (Donated by Rita Roy)	- Do -
	- Do -	Harish Chandra Kaviranta Memorial Book Prize	- Do -
	- Do -	Deptt. of Sociology Foundation Fund Prize (Donated by Prof. Prasanta Roy)	Highest Marks in Sociology Hons. Exam.
29.	Souvik Chakraborty Roll - 6	Arun Sarkar Memorial Medal	Highest Marks in Bengali Hons Exam.
	- Do -	Prof. Haraprasad Mitra Memorial Prize (Donated by Dr. Namita Mitra)	- Do -
30.		Prof. Tarak Nath Sen Memorial Prize (Donated by Prof. Haraprasad Mitra)	Highest marks in Bengali Pass Exam.
31.	Sohini Chattopadhyay Roll - 71	Raibahadur Debendra Chandra Ghosh Memorial Prize	Highest marks in History Hons. Exam.
	- Do -	Arijit Sengupta Memorial Scholarship	-Do-
32.	Saunak Pal Roll - 31	Charuchandra Ghosh Memorial Prize	Highest Marks in English Hons. Exam
33.	Shreya Das Roll - 115	Netaji Subhas Ch. Basu Prize (Donated by Shyam Sundar Basak)	Highest marks in Pol. Sc. Hons. Exam.
34.	Shantwanu Nath Roll - 150	Akhil Bharat Sultanpur Pragatisil Samaj Prize	Highest marks in Hindi Hons. Exam.
35.	Nian Paul Roll - 121	College Book Prize	Highest marks in Geography Hons. Exam.
	- do -	Geographical Institute Book Prize	- do -
	- do -	Geographical Institute Prize	Highest Marks in Geography Hons. Pract. Exam.
36.	Ritabrata Dobe Roll - 86	Chandra Nath Maitra Medal	Highest marks in Geology in Exam.
37.	Swagato Mukherjee Roll - 222	Prasanta Chandra Mahalanabis Prize (Donated by Statistics Reunion Festival 1974)	Highest marks in Statistics Hons. Exam.
38.	Subhanip Biswas Roll - 42	Sudip Shome Memorial Prize (Donated by Sudhir Chandra Shome)	Highest marks in Chemistry Hons. Exam.
39.	Sudeshna Chatterjee Roll - 51	Kunjabihari Basak Medal	Highest marks in Chemistry Hons. Pract. Exam .
40.	Deotima Sarkar Roll - 354	Prof. Sachchidananda Banerjee Prize (Donated by Physiology Deptt., Presidency College, Kolkata)	Highest marks in Physiology Hons. Exam.

Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
	- Do -	Prof. Achintya Kr. Mukhopadhyay Memorial Prize (Donated by Physiology Deptt. Presidency College, Kolkata)	- Do -
41.	Chandra Basak Roll - 354	Aparajita Chattopadhyay Memorial Prize (Donated by Arun Kumar Chattopadhyay and Purabi Chattopadhyay)	Highest marks in Botany Hons. in Exam.

C. BASED ON THE RESULT OF M.SC. PART - I EXAMINATION - 2011

42.	Tushar Mouli Chakraborti Roll - 1	Gangadas Sarda Scholarship (Donated by G. S. Sarda)	Highest marks in M.Sc. Geology Exam.
43.	Simontini Sen Sarma Roll - 3	- do -	Second highest marks in M.Sc. Geology Exam.
44.	Chandan Pal Roll - 236	Sandip Shome Memorial Prize (Donated by Dr. Subir Shome)	Highest marks in M.Sc. Chemistry Exam.
45.	Binoy Krishna Hazra Roll Roll - 210	Partha Sarathi Gupta Memorial Prize (Donated by Prof. Parimal Sen)	Highest marks in M.Sc. Physics Exam.
46.	Braj Bhushan Mishra Roll - 145	Samir Kumar Ganguly Memorial Scholarship (Donated by Mrs. Shanta Ganguly)	Highest Marks in M.Sc. Physiology Exam.

D. BASED ON THE RESULT OF M.A. / M.SC. PART - II EXAMINATION - 2011

47.	Abhinanda Chakraborty Roll - 1	Prof. Prafulla Ch. Ghosh Memorial Prize	Highest marks in English M.A. Exam.
48.	Manikarnika Dutta Roll - 101	Chandra Narayan Memorial Medal	Highest marks in History M.A. Exam.
49.	Arunava Chakraborty Roll - 32	Jibanananda Das Prize (Donated by Prof. Haraprasad Mitra)	Highest marks in Bengali M.A. Exam.
50.	Shilpa Shaw Roll - 89	Lilabati Roy Memorial Prize (Donated by Debanjan Chakraborty)	Highest marks in Pol. Sc. M.A. Exam.
51.	Nadia Ray Roll - 81	Shyamapada Bhattacharyya Memorial Prize (Donated by Prof. Ajit Bhattacharyya)	Highest marks in Philosophy M.A. Exam.
52.	Pooja Rai Roll - 58	Late Chandra Narayan Das (Donated by Kumar Kislay)	Highest marks in M.A. Hindi Examination
53.	Sirina Ghosh Roll - 80	Parimal Krishna Sen Memorial Prize Donated by Mrs. Ranu Sen	Highest marks in Chemistry M.Sc. Exam.
	- do -	Priyadarshan Ray Memorial Prize (Donated by Dilip Kr. Ray)	-Do-
	- do -	Sir Upendra Nath Brahmachari Memorial Prize	-Do-
	- Do -	Cunningham Memorial Prize	-Do-
54.	Supti Bhattacharyya Roll - 195	Prof. Narendra Mohan Basu Memorial Prize (Donated by The Physiological Institute)	Highest marks in Physiology M.Sc. Exam.
	- do -	Dr. Chitralekha Mukherjee Memorial Book Prize (Donated by Debatri Banerjee)	-Do-
55.	Ankita Sil Roll - 48	Sivatos Mookherjee Memorial Silver Medal (Donated by Aparajita Memorial Charitable Trust)	Higest Marks in Zoology M.Sc. Exam.
56.	Sayantani Pramanik Roll - 2	Kamalmani Sarma Memorial Prize (Donated by Prof. Manimala Das)	Highest marks in M.Sc. Geology Examination.
57.	Soumita Mukherjee Roll - 158	Sivatos Mookerjee Memorial Prize (Donated Zoology Deptt.)	Highest Marks in M.Sc. Mol. Bio & Genetics
58.	Sreyasi Saha Roll - 185	Phanindra Nath Memorial Scholarship (Donated by Mrs. Shanta Ganguly)	Highest marks in M.Sc. ESM Exam.
59.	Punarjit Roy Chowdhury Roll - 111	Samir Kumar Ganguly Memorial Scholarship (Donated by Mrs. Shanta Ganguly)	Highest marks in M.Sc. Applied Economics Exam.

Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
E. BASED ON THE RESULTS OF PART - I (1+1+1) EXAMINATION - 2011			
60.	Titas Chatterjee Roll - 05 (Bengali)	Bholanath Das Memorial Prize (Donated by Avijit, Narayan Ch., Shyamapada & Biswanath Das)	Highest marks in B.A. Hons. Exam.
	a) Shreejita Basak Roll - 76	Suryya Kumar Das Memorial Prize (donated by Manjusree Das)	Highest marks in History Hons., Exam.
61.	Nandini Kundu Roll - 52 (Chemistry)	-Do-	Highest marks in B.Sc. Hons. Exam.
	- do -	Kanakprava Devi and Jyotish Ch. Chakraborti Scholarship)	Highest marks in B.A./B.Sc. Hons. Exam.
	- do -	Bijoy Memorial Scholarship	Highest marks in Chem. Hons. Exam.
62.	Spandan Kumar Roll - 220	Surendranath Basu Memorial Prize (Donated by Sasadhar Bose)	Highest marks in B.Sc. Statistics Hons. Exam.
63.	Aritra Halder Roll - 224	Surendra Basu Memorial Prize (Donated by Utpal Bose)	Second highest marks in B.Sc. Statistics Hons. Exam.
64.	Sukanya Chakraborty Roll - 171	Nirmal Kanti Majumder Memorial Prize (Donated by Mukul Majumder)	Highest marks in Economics Hons. Exam.
65.	Souradeep Sen Roll - 103	-Do-	Highest marks in B.A. Pol.Sc. Exam.
66.	Sujay Roy Roll - 12	Nistarini Dasi Book Prize	Best performance in the B.Sc. Physics Hons. Laboratory Note Book.
67.	Mohana Basu Roll - 266	Geographical Institute Prize	Highest marks in B.Sc. Hons. Exam. in Geography
	a) Mohana Basu - Roll - 119 b) Debangana Das Roll - 120	-Do-	Highest marks in B.Sc. Geography Hons. Exam. in Practical

F. OTHER PRIZES AND SCHOLARSHIPS ETC.

68.	a) Sohini Chattopadhyay Roll - 71 b) Malini Basu Roll - 74	Prof. Ashin Das Gupta Memorial Prize (Donated by Dr. Uma Dasgupta)	Most curious student in the History Dept.
69.	a) Abhijit Shaw (2nd Year) Roll 289 b) Prasidha Biswas (1st Yr.) Roll - 266	Bhupendra Das Memorial Scholarship -Do-	Two best students of M.Sc. Mathematics class -Do-
70.	a) Argha Dutta Roll - 329 b) Subrata Kuila Roll - 51	Acharyya Prafulla Ch. Roy Memorial Scholarship	Two students of Chemistry Hons. on merit-cum-means basis
71.		Sukhamoy Chakraborty Memorial Scholarship (Donated by Lalita Chakraborty)	Two students of EHH on merit-cum-means basis
72.		Rajsekhar Basu Memorial Scholarship (Donated by Dipankar Basu)	Two students on merit-cum-means basis
73.	a) Debarati Biswas Roll - 218 (Phil) b) Sangram Biswas, Roll - 365 (Ph)	Presidency College Alumni Association Scholarship	Two 3rd yr. Students on merit-cum-means basis
74.		Eden Hindu Hostel Centenary Scholarship	Highest marks in Part II. Exam.
75.	Payel Sarkar Roll - 130	Sukhamay Chakraborty Memorial Scholarship (Donated by Charusila Chakraborty)	3rd Yr. Girls student on merit-cum-means basis in Presidency University Girl's Hostel

Sl. No.	Name of the Student	Name of the Prize & medal	Particulars
76.		Shovik Banerjee Memorial Scholarship (Donated by Geology Honours Students '96-99)	Best Field Geologist at the Honours level.
77.	a) Utsaleena Das Roll - 127 (Sociology) b) Sumanta Chakraborty Roll - 12 (Physics)	Dr. Anil Kumar Bhattacharyya Memorial Prize (Donated by Millennium Re-union committee of Statistics Deptt.)	Student securing the highest percentage of marks in all exams. (one each in Arts & Science)
78.	Amitava Pal Roll - 19	Narayan Chandra Ghosh Memorial Prize (Donated by Smt. Bina Ghosh)	Honours Graduate in English securing highest marks in all Examinations
79.	Aditi Banerjee Roll - 31	Dipak Chandra Ghosh Memorial Prize (Donated Smt. Bina Ghosh)	Honours Graduate in Bengali securing highest marks in all Examinations
80.	a) Tania Bharadwaj (3rd Year, Pol Sc.) Best Speaker b) Shritama Bose (2nd Year Eng.) c) Ujaan Ghosh (1st Yr. History) MA d) Siddhant Agarwal (1st Yr. Eco)	Udayan Mukherjee memorial Debate Prize (Donated by Sri Partha Sarathi Sengupta)	Best Debator from the College
81.	Asutosh Shukla Roll - 289	Arnab Biswas Memorial Plaque (Donated by Smt. Saraswati Misra)	Highest percentage of attendance in the 1st Year Honours Class
82.	Sumanta Chakraborty Roll - 13	Dr. Shyamaprasad Mookerjee Gold Medal (Donated by Arati Bhattacharyya)	Hons. Graduate of the College who has the Highest Scholastic record.
83.	Supti Bhattacharyya Roll - 195	Late Shri Paramesh Ch. Bhattacharyya Memorial Scholarship	Best student seminar in Science at Post-Graduate Level.
84.		Sudipto Ghosh Memorial Research Scholarship (Donated by Mrs. Shukla Ghosh)	Research Scholar fellowship in Physiology
		Prof. Sachchidananda Banerjee Contingency Fund. (Donated by Prof. S. Bannerji Felicitation Committee)	Research Contingency Fund
85.	Soumita Mukherjee Roll (MB & G) - 158	Dr. Atul Ch. Biswas Memorial Prize (Donated Dr. Anjan Biswas)	Best All Rounder among the P.G. Students of the College
86.	Debjit Goswami Roll - 109	Ila Mukhopadhyay Memorial Medal (Donated by Prof. Amal Kumar Mukhopadhyay)	Best human Qualities among the students of the college
87.	a) Paromita Samaddar BA (Hindi) b) Ratul Mondal B.Sc. (Physics)		Individual Champion
88.	Hindi Department	Asha Pratip Challenge Trophy (Donated by Sri Dipankar Basu)	Overall Champion in College Sports and Games

Appendix - 4

LIST OF TRUST FUND

Sl. No.	Name of the Trust Fund	Name of the Donor	Amount
1.	Nirmal Kanti Mazumder Fund	Sri Mukul Ranjan Mazumder	10,000.00
2.	Amal Bhattacharya Memorial Fund	Smt. Sukumari Bhattacharya	5,000.00
3.	Debasish Chandra Memorial Fund	Dr. D. Chandra	5,000.00
4.	Gangadas Sarda Memorial Fund	Sri G. S. Sarda	20,000.00
5.	S. N. Bose Memorial Fund	Sri Sasadhar Bose & Utpal Bose	1,500.00
6.	Rajendra Kishore Memorial Fund	Sri N. C. Basu Roy Chowdhuri	2,000.00
7.	Sudip Some Memorial Fund	Dr. S. C. Some	10,000.00
8.	Prof. S. C. Mahalanbish Fund	Dr. N. Banerjee	5,000.00
9.	Prof. Sachchidananda Banerjee Fund	Physiology Department	6,000.00
10.	Prof. Achintya Kumar Mukherjee Memorial Fund	Physiology Department	4,000.00
11.	Prof. Narendramohon Basu Memorial Fund	Physiology Department	5,000.00
12.	Taraprasad Mukherjee Memorial Fund	Prof. S. P. Mukherjee	5,000.00
13.	N.C. Basu Roy Chowdhuri	Smt. Bela Basu Roy Chowdhuri	5,000.00
14.	Prof. Pratul Chandra Rakshit Fund	Chemistry Department	10,000.00
15.	Netaji Subhas Chandra Bose Fund	Sri Shyam Sundar Basak	2,500.00
16.	Dr. Meghnad Saha Memorial Fund	Sri Shyam Sundar Basak	2,500.00
17.	Sir Asutosh Mukherjee Memorial Fund	Sri Shyam Sundar Basak	2,500.00
18.	Prof. Sukhomoy Chakraborty Memorial Fund	Sukhomoy Chakraborty Memo. Trust	60,000.00
19.	Kartick Chandra Mukherjee Memorial Fund	Smt. Sushmita Mukherjee	10,000.00
20.	Prof. Arun Kumar Roy Memorial Fund	Smt. Rita Roy	25,000.00
21.	Himani Deb Memorial Fund	Sri Kamal Kumar Ghatak	2,500.00
22.	Deptt. of Sociology Foundation Fund	Sri Prasanta Roy	5,000.00
23.	Tarapada Mukherjee Memorial Fund	Sri Ashoke Kumar Mukherjee	5,000.00
24.	Monoranjan Mitra Memorial Fund	Sri Manindra Chandra Mitra	10,000.00
25.	Bibhutibhushan Sen Memorial Fund	Sri Manindra Chandra Mitra	12,000.00
26.	Arijit Sengupta Memorial Fund	Smt. Arati Roy	12,000.00
27.	Akhil Bharatiya Pragatisil Sultanpur Samaj Fund	Sultanpur Samaj	5,000.00
28.	Aparajita Memorial Fund	Sri Dilip Kumar Chakraborty	5,000.00
29.	Dr. Satinath Bagchi Memorial Fund	Sri Pratul Kumar Bagchi	5,000.00
30.	Dr. Hara Prasad Mitra Memorial Fund	Dr. Namita Mitra	5,000.00
31.	Dr. Pravasijiban Chowdhuri Memorial Fund	Smt. Ashabari Chowdhuri, Hritabari Roy & Smt. Ruchria Mazumdar	4,000.00
32.	Nirodebaran Bakshi Memorial Fund		6,500.00
33.	Prafulla Chandra Ghosh Memorial Fund		4,000.00
34.	Sawpna Saha Memorial Fund		1,000.00
35.	Bijoy Memorial Scholarship Fund		10,900.00
36.	Prof. P. C. Mahalanabish Fund	Re-union Committee 1974 Stat. Dept.	10,000.00
37.	Dhruba Das Athletic Fund		950.00
38.	Donation from Sadlar Hall		1,100.00
39.	Kartick Chandra Mallick Memorial Fund		1,300.00
40.	B.C. Das Scholarship Fund		18,500.00
41.	Chandranath Moitra Medal Fund		500.00
42.	Presidency College Assembly Hall Fund		3,000.00
43.	Un-claimed Deposit Money Fund		1,900.00
44.	Sir Asutosh Memorial Fund		1,700.00

45.	Kuruvilla Jacharia Memorial Fund		1,29,600.00
46.	J. C. Nag Memorial Fund		600.00
47.	Bani Basu Memorial Prize Fund		1,900.00
48.	Kunja Behari Basak Memorial Fund		200.00
49.	Maharaj Gwalior Medal Fund		900.00
50.	Scindia Silver Medal Fund		3,500.00
51.	Presidency College Graduate Scholarship Fund		4,700.00
52.	Presidency College Graduate Scholarship Fund		1,61,000.00
53.	Arun Sarkar Memorial Fund		1,000.00
54.	Astronomical Society of India Fund		1,000.00
55.	Chandranarayan Gold Medal		1,500.00
56.	B. C. Laha Free Studentship		8,000.00
57.	Girish Chandra Deb Prize Fund		800.00
58.	H. Sil Kabiratna Memorial Fund		400.00
59.	Roy Bahadur Debendrachandra Ghosh Fund		2,000.00
60.	Cunninghum Memorial Fund		2,700.00
61.	Acharya Prafulla Chandra Roy Scholarship Fund		10,300.00
62.	1) T. S. Sterling Stipend Fund	Prof. T.S. Sterling	3,30,000.00
63.	2) T. S. Sterling Stipend Fund	-do-	63,700.00
64.	Principal, Presidency College Fund		4,25,000.00
65.	Charuchandra Ghosh Memorial Fund		1,500.00
66.	Shyamaapada Bhattacharyya Memorial Fund	Sri Ajit Kr. Bhattacharya	5,000.00
67.	Nitishchandra Chakraborty Memorial Fund	Sri Debanjan Chakraborty	2,500.00
68.	Nareshchandra Chakraborty Memorial Fund	Sri Debanjan Chakraborty	2,500.00
69.	Lilabati Roy Memorial Fund	Sri Debanjan Chakraborty	2,500.00
70.	Parthasarathi Gupta Memorial Fund	Dr. Parimal Krishna Sen	10,000.00
71.	Ila Mukhopadhyay Memorial Fund	Dr. Amal Kr. Mukhopadhyay	6,000.00
72.	Rajsekhar Basu Memorial Fund	Sri Dipankar Basu	25,000.00
73.	Ajay Chandra Banerjee Memo. Fund	Smt. Manju Banerjee	15,000.00
74.	Chandan Bhattacharya Memo. Fund	Smt. Atashi Bhattacharya	6,000.00
75.	U. N. Ghoshal Memorial Fund		1,500.00
76.	Aparajita Chattopadhyay Memo. Fund	Sri Arun Kr. Chattopadhyay & Smt. Purabi Chattopadhyay	5,000.00
77.	Sushil Kr. Banerjee Memo. Fund	Smt. Ranu Banerjee	30,000.00
78.	Arabindo Memorial Fund	Rabibrata Mukherjee	10,000.00
79.	Ahibhushan Chatterjee Memorial Fund	Sri Sampriti Chatterjee	20,000.00
80.	Bholanath Das Memorial Fund	Sri Abhijit Kr. Das, Sri Narayan Chandra, Sri Shyamaapada Das & Sri Biswanath Das	5,000.00
81.	Presidency College Magazine Endowment Fund		1,40,000.00
82.	Presidency College Fund for College Function and Seminars		35,000.00
83.	Annual Prizes-in-Geography,	Geography Department	7,500.00
84.	Ramanuj Pattu Ayengar Memo. Fund	Smt. Sarju Ayengar	5,000.00
85.	Late Makhun Lal Sarkar Prize Fund	Smt. Manjari Basu	5,000.00
86.	Late Bibhabati Sarkar Prize Fund	-do-	5,000.00
87.	Ashin Dasgupta Book Prize	Smt. Uma Dasgupta	15,000.00
88.	Centenary Scholarship Fund, Govt. College, Hindu Hostel		15,000.00
89.	Dhirendranath Chatterjee Memo. Fund	Tarapada Chatterjee	10,000.00
90.	Prof. Shyamal Kr. Chattopadhyay Memo. Fund	Pradip K. Chattopadhyay	89,000.00
91.	Nihar Ranjan Dutta Memo Fund	Sri Suryadipta Datta	13,000.00
92.	Shyamaprasad Mukherjee Gold Medal	Smt. Arati Bhattacharya	50,000.00
93.	Priyadarajan Roy Book Prize	Sri Dilip Kr. Roy	32,000.00
94.	Late Harendralal Basak Memorial Lecture	Dr. Bijoy Shankar Basak	5,00,000.00
95.	Monindra Nath Saha Memorial Prize	Dr. Binata Roy Choudhury	15,000.00
96.	Satish Ranjan Banerjee Memorial Prize	Sri Atish Ranjan Banerjee	20,000.00

97.	Punyalekha Banerjee Memorial Prize	- Do-	20,000.00
98.	Jyotish Chandra Roy Memorial Prize	Sri Shyamal Kumar Roy	1,200.00
99.	Prof. Anil Kr. Bhattacharya Memo. Prize	Millennium Re-Union Committee of Statistics Department, Presidency College	10,000.00
100.	Prof. Amulyadhan Mukherjee Centenary Fund	Sri Amit Mukherjee	15,000.00
101.	Late Arnab Biswas Memorial Medal	Smt. Saraswati Misra	10,000.00
102.	Shovik Banerjee Memorial Scholarship	Geology Honours Students '96-99	11,000.00
103.	Mahadev Maity Memorial Trust Fund	Sri Shyamal Kumar Maity	10,000.00
104.	Sudipto Ghosh Memorial Research Fund	Mrs. Shukla Ghosh	5,00,000.00
105.	Prof. Sachchidananda Bannerji Research Contingency Fund	Prof. S. Banerjee Felicitatation Committee	1,20,000.00
106.	Narayan Chandra Ghosh Memorial Endowment	Smt. Bina Ghosh	25,000.00
107.	Dipak Chandra Ghosh Memorial Endowment	- Do-	25,000.00
108.	Udayan Mukherjee Memorial Debate Endowment	Sri Partha Sarathi Sengupta	1,00,000.00
109.	Sir Upendranath Brahmachari Memorial Fund	Dr. U.N. Brahmachari Memorial Trust	10,000.00
110.	Bani Bakshi Foundation Endowment	Sri P.R. Rakshit, Chairman Bani Bakshi Foundation	46000.00
111.	Kanak Prava Devi and Jyotish Chandra Chakroborty Memorial Fund	Dr. B. K. Chakraborty	1,00,000.00
112.	Prof. Sivatosh Mookherjee Medal	Aparajita Memorial Charitable Trust	5,000.00
113.	Chandra Narayan Das Memorial Trust	Sri Kumar Kislay	10,000.00
114.	Shobhana Devi and Upendra Narayan Bhattacharya Memorial Endowment	Prof. Dip Bhattacharya	1,00,000.00
115.	Kamalmani Sharma Memorial Endowment	Prof. Manimala Das	50,000.00
116.	Suryya Kumar Das Memorial Trust	Smt. Manjusree Das, Sri Amit Kumar Das & Sri Sumit Kumar Das	25,000.00
117.	Jayanta Bijoy De Memorial Scholarship Fund	Smt. Shukla De	2,25,000.00
118.	Chitralekha Mukherjee Memorial Fund	Smt. Debatri Banerjee	25,000.00
119.	Poor Student's Endowment Fund	Presidency College	2,50,000.00
120.	Gymnasium, Games and sports Endowment Fund		3,50,000.00
121.	Choir, Prasangiki and Misc. Endowment Fund		2,00,000.00
122.	Prof. Parimal Krishna Sen Memorial Endowment Fund	Mrs. Ranu Sen	25,000.00
123.	Dr. Atul Chandra Biswas Memorial Endowment Fund	Dr. Anjan Biswas	50,000.00
124.	Prof. Shyamal Kr. Chattopadhyay Memorial Fund	(2) Sri Prodip K. Chattopadhyay	45,000.00
125.	Prof. Sivatosh Mookerjee Memorial Trust Fund	Reunion Committee, Zoology Dept.	25,000.00
126.	Late Paramesh Chandra Bhattacharjee Endowment	Sri Pushpak Bhattacharjee	40,000.00
127.	Prof. Sivatosh Mookherjee Memorial Trust Fund in Molecular Biology	Zoology Department	25,000.00
128.	Late Phanindranath Mukherjee Memorial Fund.	Smt. Shanta Ganguly	66,000.00
129.	Late Samir Kumar Ganguly Memorial Fund in Physiology	Smt. Shanta Ganguly	66,000.00
130.	Late Samir Kumar Ganguly Memorial Fund in Applied Economics	Smt. Shanta Ganguly	66,000.00
131.	Late Khagendra Pal Chaudhuri Memorial Fund in History	Prof. Jyotirmoy Pal Chaudhuri	25,000.00
132.	Late Ramgopal Bhattacharyya Memorial Fund in Chemistry and Biochemistry	Smt. Purnima Bhattacharyya	1,00,000.00
133.	Late Kankona Chakraborty Memorial Endowment in Statistics	Sri Nirmalansu Chakraborty and Smt. Runa Chakraborty	30,000.00
* Interest on Endowments			3,00,000.00
GRAND TOTAL			56,36,850.00

Appendix -5

B.A./B.Sc. Admission Information, 2011

SUBJECT	Number of Seats				Number of Applicants
	GENERAL	SC	ST	TOTAL	
Bengali	21	7	2	30	830
English	21	7	2	30	2290
Hindi	29	9	2	40	170
History	25	8	2	35	617
Philosophy	21	7	2	30	179
Political Science	17	6	2	25	600
Sociology	18	5	1	24	582
Biochemistry	7	2	1	10	428
Botany	18	6	2	26	762
Chemistry	29	10	3	42	2533
Economics	29	9	2	40	1117
Geography	15	4	1	20	643
Geology	17	6	2	25	1044
Mathematics	29	9	2	40	3586
Physics	29	9	2	40	3612
Physiology	18	5	1	24	1191
Statistics	15	4	1	20	739
Zoology	17	6	2	25	2340
				526	23263

Appendix - 6

**Presidency University, Kolkata, India
Sanctioned, Filled and Vacant Teaching Posts**

Departments	Sanctioned Position			Filled in position				Vacant Position		
	Professor	Associate Professor/Reader/lecturer	TOTAL	Professor	Associate Professor / Reader	Assistant Professor/Lecturer	TOTAL	Professor	Associate Professor/Lecturer	TOTAL
1. Bengali	01	08	09	01	05	03	09	00	00	00
2. Botany	03	12	15	01	08	01	10	02	03	05
3. Chemistry & Bio-Chem.	06	21	27	02	10	03	15	04	08	12
4. English	03	08	11	00	05	01	06	03	02	05
5. Economics	07	07	14	02	03	03	08	05	01	06
6. Geography	01	08	09	01	04	02	07	00	02	02
7. Geology & ENVS	06	18	24	01	09	04	14	05	05	10
8. Hindi	02	06	08	00	02	04	06	02	00	02
9. History	03	05	08	00	01	03	04	03	01	04
10. Mathematics	02	07	09	01	02	04	07	01	01	02
11. Philosophy*	01	05	06	00	05	01	06	01	-01	00
12. Physics	04	15	19	00	08	04	12	04	03	07
13. Physiology	03	11	14	00	04	04	08	03	03	06
14. Political Science*	03	03	06	00	04	00	04	03	-01	02
15. Sociology	01	04	05	00	03	01	04	01	00	01
16. Statistics	02	05	07	00	03	02	05	02	00	02
17. Zoology & Mol.Biology.	04	16	20	00	06	02	08	04	08	12
18. Bio-Technology	00	05	05	00	00	03	03	00	02	02
21. Librarian	00	11	11	00	01	01	02	00	09	09
Total	52	175	227	9	83	46	138	43	46	89

* Post of Professor temporarily downgraded and Associate Professor posted in that position

PRESIDENCY UNIVERSITY, KOLKATA, INDIA
Sanctioned, Filled and Vacant Group A, Group B and Group C Non-Teaching Posts

Sl.No.	Name of the Post	Sanctioning Position	Filled in position	Vacant in Position
1.	Accounts Officer (Group-A)	01	01	Nil
2.	Head Assistant	01	Nil	01
3.	Chief Accountant	01	Nil	01
4.	Accountant	01	Nil	01
5.	Second Clerk	01	01	Nil
6.	Caretaker	01	Nil	01
7.	Steward (E.H.H.)	01	Nil	01
8.	Upper Division Clerk	08	07	01
9.	Lower Division Clerk	06	06	Nil
10.	Stenographer	01	01	Nil
11.	Steno-Typist (Supervisory Grade)	01	01	Nil
12.	Typist	04	03	01
13.	Typist-cum-Clerk	01	01	Nil
14.	Cashier (UDC)	01	Nil	01
15.	Cashier (LDC)	01	Nil	01
16.	Assistant Cashier	01	01	Nil
17.	Herbarium Keeper	01	01	Nil
18.	Draftsman	03	02	01
19.	Technical Assistant (Group-A)	01	01	Nil
20.	Electrician	01	01	Nil
21.	Master-in-Mechanics	01	Nil	01
22.	Assistant Mechanics	01	Nil	01
23.	Carpenter	01	01	Nil
24.	Cataloguer	01	Nil	01
25.	Assistant Electrician	01	Nil	01
26.	Instrument Keeper	03	03	Nil
27.	Store-Keeper (UDC)	04	02	02
28.	Store-Keeper (LDC)	03	01	02
29.	Artist-cum-Keeper	01	01	Nil
30.	Electronic Technician	01	Nil	01
31.	Research Associate (Group-A)	03	01	02
32.	Matron (Girls' Hostel)	01	01	Nil
33.	Cash-Sarkar	01	01	Nil
34.	Driver	02	02	Nil
		61	40	21

PRESIDENCY UNIVERSITY, KOLKATA, INDIA
Sanctioned, Filled and Vacant Group D Posts

Sl.No.	Name of the Post	Sanctioning Position	Filled in position	Vacancy Position
1	Establishment Attendant	54	48	06
2	Skilled Bearer	18	11	07
3	Peon	04	01	03
4	Bursar Peon	01	Nil	01
5	Bearer	03	01	02
6	Library Bearer	01	01	Nil
7	Additional Bearer	01	Nil	01
8	Section Cutter	01	01	Nil
9	Darwan	08	07	02
10	Chaprasi (E.I.I.I.)	02	01	01
11	Mali	03	03	Nil
12	Bell-Man	01	01	Nil
13	Night-Watch-Man	08	06	02
14	Laboratory Attendant	01	Nil	01
15	Gas plant Attendant	01	Nil	01
16	Boiler Attendant	01	01	Nil
17	Specimen Collector	04	01	03
18	Sweeper	20	19	01
19	Bus Cleaner	01	01	Nil
		133	102	31

Appendix -7

Newly Sanctioned Additional Teaching Posts

Sl.No	Department	Name of Post	Number of Posts
1	Bengali	Assistant Professor	04
2	Botany	Assistant Professor	03
3	Biochemistry (PG)	Assistant Professor	05
4	Chemistry	Assistant Professor	02
5	English	Assistant Professor	05
6	Economics	Assistant Professor	01
7	Geography	Assistant Professor	05
8	Environmental System Management	Assistant Professor	04
90	Geology	Assistant Professor	02
10	Hindi	Assistant Professor	06
11	History	Assistant Professor	06
12	Mathematics	Assistant Professor	07
13	Philosophy	Assistant Professor	07
14	Physics	Assistant Professor	02
15	Physiology	Assistant Professor	04
16	Political Science	Assistant Professor	08
17	Sociology	Assistant Professor	09
18	Statistics	Assistant Professor	08
21	Zoology	Assistant Professor	04
22	Molecular Biology (PG)	Assistant Professor	03
23	Bio-Technology	Assistant Professor	05
24	Computer Science	Assistant Professor	04
Total			104

Appendix -8

OFFICE OF THE VICE CHANCELLOR PRESIDENCY UNIVERSITY

Hon'ble Vice Chancellor
Professor Malabika Sarkar

Registrar and Controller of Examinations (additional charge)
Dr. Pradip Kumar Sengupta

Finance Officer
Sri Biswanath Maiti

Officer on Special Duty
Dr. Timir Baran Jha

Accounts Officer
Sri Chanchal Bhattacharyya

Dy. Controller of Examination
Sri Anjan Saha

Existing Staff Position of the Administrative Office & Departments

Sri Prasanta Kr. Banerjee	Smt. Minati De
Sri Subal Ch. Guha	Smt. Saraswati Ghosh
Sri Mrinal Kanti Das	Sri Ardhendu Bepari
Sri Taraknath Prasad	Smt. Rita Das
Sri Samsul Haque Laskar	Sri Tapas Kr. Banerjee
Sri Ardhendu Ghosh	Sri Sankar Banerjee
Sri Mrinal Kanti Sengupta	Sri Alope Kr. Dey
Sri Sanjib Dhar	Sri Subrata Das
Sri Kalyan Chakraborty	Sri Samir Debnath
Sri Ganesh Thakur	Sri Sankar Sardar
Sri Joydev Das	Sri Tushar Chakraborty
Sri Susanta Roy	Sri Pradip Das
Sri Biswajit Das	

Technical Assistant
Sri Sukumar Samanta

Herbarium Keeper
Sri Tapan Dutta

Draftsman
Sri Biren Bandyopadhyay
Sri Pratul Ranjan Chakraborty

Instrument Keeper
Sri Kwaja Moinul Haque
Smt. Pratima Halder
Sri Rintu Dey

Artist-Cum-Record keeper
Sri Tarun Kanti Roy

Electrician
Sri Amitabha Bhar

Carpenter
Sri Haren Baidya

Driver

Sri Rajendra Singh

Sri Taraknath Pradhan

Contractual Staff

Sri Anirban Chakraborty, PA to V.C. (Administration)

Sri Uttam Samanta

Vacancy position of the Administrative office & Departments.

- | | | |
|----------------------------|------------------------|--------------------------------|
| 1. Head Assistant 1 | 6. Caretaker -1 | 11. Storekeeper (L.D.C.)-2 |
| 2. Chief Accountant 1 | 7. Draftsman - 1 | 12. Asstt. Mechanics - 1 |
| 3. U.D. Clerk 1 | 8. Master Mechanics 1 | 13. Stewards - 1 |
| 4. Cashier (U.D.C.) 1 | 9. Cataloguer - 1 | 14. Electronics Technicians -1 |
| 5. Store Keeper (U.D.C.) 2 | 10. Cashier (L.D.C.) 1 | 15. Assistant Electrician - 1 |
| 16. Accountant 1 | 17. Typist - 1 | |

Existing Assisting Staff Position of the Administrative Office and Departments**Establishment Attendant.**

Sri Rammurat Pr. Rangwa.	Sri Prasanta Kr. Mandal	Smt. Chameli Das
Sri Mohanlal Rangwa.	Sri Bijoy Kr. Barik.	Sri Sushil Kr. Barik
Sri Keshab Ch. Roy.	Sri Gobinda Ch. Nath.	Sri Pradip Kr. Das
Sri Swapan Kr. Mukherjee.	Sri Shyama Pr. Basu.	Sri Dipak Kr. Roy
Sri Shyamal Kanti Singha.	Sri Md. Delambia.	Sri Rajkumar Ghosh
Sri Sabtri Barik	Sri Swapan Kr. Roy.	Sri Samar Nath Sur
Sri Madan Mohan Dutta.	Sri Timir Baran Samanta.	Sri Pranabratra Guhathakurata
Sri Puspa Rani Dey.	Sri Md. Shaukat.	Sri Sabitabrata Paul
Sri Shilarani Ghosh (Das).	Sri Sisir Singha.	Smt. Sulata Kundu (Khan)
Sri Pradip Banerjee.	Sri Shyam Sundar Prasad.	Smt. Karabi Das
Sri Dilip Kr. Bir.	Sri Goutam Dutta	Sri Susanta Roy
Sri Arun Moitra	Sri Somnath Chatterjee	Sri Biplab Sarkar
Sri Netai Ch. Dey	Sri Bijoy Singh	Sri Shibu Hansda
Sri Balmiki Prasad	Sri Kartick Ch. Sarkar	Sri Dibyendu Mazumdar
Sri Sambhu Nath Das	Sri Hanuman Prasad Dhuria	Smt. Jharna Sarkar
Sri Dilip Hazra	Smt. Susama Barik	Sri Putul Sarkar

Skilled Bearer

Sri Nirmal Kr. Singh	Sri Khangendra Nath Jana
Sri Babulal Das	Sri Dulal Chandra Das
Sri Ramnath Prasad	Sri Haradhan Saha
Sri Kashinath Mondal	Sri Tapan Kr. Bhanja
Sri Ananta Kr. Barik	Sri Kartick Ch. Das
Sri Kamalesh Mondal	

Peon

Sri Narayan Ghosh

Library Bearere

Sri Immam Rasul

Section Cutter

Sri Chittaranjan Chatterjee

Boiler Attendant

Sri Ashok Kr. Nayek

Darwan

Sri Haripada Roy / Santosh Singh /
Sanjoy Kr. Dey

Bearer

Sri Sunil Ch. Barua

Bell Man

Sri Bishu Adhikary

Specimen Collector

Sri Sukumar Barua

Mali

Sri Kalipada Jana/Sanat Nandi/Asish Maity

Night-Watchman

Sri Sanat Sil / Santosh Hansda / Ajoy Sil
Sri Ashutosh Choudhury / Shyamal Tapadar

Sweeper

Sri Sankar Hela (1)

Sri Sankar Hela (2)

Smt. Sumati Hazra

Sri Raja Hela

Smt Santi Hela

Sri Goutam Roy

Sri Bablu Hela

Smt. Maya Hazra

Sri Harabilash Balmiki

Sri Kartick Hela

Smt. Bina Hela

Sri Basudeb Hela

Sri Mongal Hazra

Sri Ghanashyam Hela

Sri Ramnarayan Hela

Sri Lalit Mohan Hazra

Smt. Radha Hela

Sri Srikanta Patra

Sri Abdul Sovan Khan

Vacancy position of the assisting staff

Establishment Attendant	06	Bearer	02	Specimen Collector	03
Skilled Bearer	07	Addl. Bearer	01	Chaprashi	01
Peon	03	Lab. Attendant	01	Darwan	02
Bursar Peon	01	Gas Plant Attendant	01	Night-watchman	02
				Sweeper	01

Appendix - 9

MEMBERS OF THE PRESIDENCY UNIVERSITY COUNCIL

- Chancellor** : Hon'ble Governor, West Bengal
Shri M.K. Narayanan
- Vice-Chancellor** : Prof. Malabika Sarkar
- Nominated Members** :
- Prof. Sugata Bose
Gardiner Professor of History, Harvard University
 - Dr. Bikash Sinha
Eminent Scientist, Variable Energy Cyclotron Centre,
Kolkata
 - Prof. Suranjan Das
Vice-Chancellor, University of Calcutta
 - Dr. Isher Judge Ahluwalia
Indian Council for Research on International Economic
Relations
 - Prof. Abhijit Banerjee
Ford Foundation International Professor of Economics
Massachusetts Institute of Technology
 - Prof. Janak Pandey
Vice-Chancellor, Central University of Bihar, Patna
 - Prof. Swapan Chakraborty
Director General, National Library
 - Prof. H.A. Ranganath
Director General, National Assessment and Accredita-
tion Council, Bangalore
 - Prof. Mushirul Hasan
Director General, National Archives of India, New Delhi
 - Prof. Sukanta Chaudhuri
Professor Emeritus of English, Jadavpur University

- : Prof. Himadri Pakrasi
Freiburg Professor and Director, International Center for
Advanced Renewable Energy and Sustainability,
Washington University
- : Prof. Ashoke Sen
Professor of Physics, Harish Chandra Research Institute,
Allahabad
- : Prof. Sabyasachi Bhattacharya
Former Director, TIFR, Mumbai and NCBS, Bangalore
- : Prof. Nayonjot Lahiri
Former Dean of Colleges, Delhi University
- : Prof. Rahul Mukherjee
Professor of Statistics, Indian Institute of Management,
Kolkata
- Ex-officio Members** : Member Secretary,
West Bengal Council of Higher Education, Kolkata
- : President,
West Bengal Council of Higher Secondary Education,
Kolkata
- : Principal Secretary to the Government of West Bengal,
Department of Higher Education, Kolkata
- : Secretary to the Government of West Bengal,
Department of Finance, Kolkata
- : Registrar,
Presidency University, Kolkata

