

AQAR (2004-2012)

1. Activities reflecting the goals and objectives of the institution:

Goals:

Our institutional mission and goal is to impart liberal education that is pervaded by the spiritual and moral values of the Christian faith; to produce intellectually sound, morally upright, socially concerned and spiritually oriented men and women who will be of service to society and to the nation; finally to prepare young people to meet the challenges of a rapidly changing world and to equip them to take their rightful place there with confidence based on an efficient and pragmatic training for the demands of the twenty-first century.

In addition to regular theoretical and practical classes a substantial number of remedial and supplementary classes are held to help the educationally challenged students. Teachers perform the role of mentors and provide counseling to the needy students. Activity Clubs for students, established in the College, under the supervision of the teachers-in-charge work to bring out the hidden talents of many students. The NSS unit of the college, under the able guidance of the teachers, works tirelessly to promote a sense of 'oneness' among the members and the underprivileged of the society, and teaches them tolerance. Project work on environmental issues and eco-friendly activities help students grow up to into responsible 'green citizens'.

2. New academic programmes initiated (UG and PG)

For U.G. courses the University of Calcutta (the affiliating university) frames the syllabi and the curricula, and the college has to follow it in its entirety. For P.G. courses in Botany and Chemistry, which are autonomous, the college has the freedom to frame the rules and regulations, syllabi, mode of examination etc., with the formal permission of the affiliating university. In this respect the college has introduced a number of changes. The 2-year P.G. courses started in 2005 (session 2005-2006) on an annual mode. In 2010 (session 2010-2011) a completely revamped curriculum and a new examination system came into force. It is now a 2-year 4-semester course with a suitably upgraded syllabus, including project work by the students (and guided by their teachers). The P.G. course is now in synchronization with the all-India pattern for post-graduate courses. We are in the process of a second revision of the P.G. courses based on the experience of the last two years.

3. Innovations in curricular design and transaction:

The college develops the curriculum of the P.G. courses (autonomous) for Botany and Chemistry. The P.G. Boards of Study for these two subjects are entrusted with the

responsibility of framing and implementation of the M.Sc. syllabi. The Dean of Faculty of P.G. studies and the Controller of Examinations (P.G. studies) look after the relevant administrative matters. Extensive planning goes into framing the up-to-date syllabi and curricula which meet the national standard. This starts with a review of syllabi from different, highly ranked universities and P.G. teaching institutions. Feedback from students, teachers, parents, other stakeholders, experts and well-wishers are obtained. A 'need-assessment' exercise with regard to students is taken up. The relevance of the course and its usefulness with respect to NET, GATE, SSC (School Service Commission examination), CSC (College Service Commission examination), etc. are taken into account before finalizing the curriculum. Regular feedback from all quarters are obtained, recorded and kept for reference and future action. The well being and success of the students are foremost in our mind. The performance of our P.G. students in NET, GATE, SSC, CSC, PSC examinations help us in analyzing the strength of our post-graduate courses and this in turn suggests the improvement to be made.

Since our teachers are also members of the different undergraduate Boards of Study (CU), their suggestions are taken into consideration while framing the syllabi.

4. Inter-disciplinary programmes started:

Inter-disciplinary projects and seminars are organized by the college where students and teachers of different disciplines interact. This leads to improved inter-disciplinary research. The college journal, *jhss* is a very effective platform in this effort. Also, a project (funded by UBCHEA) is running in collaboration with the departments of Botany, Microbiology and Zoology.

5. Examination reforms implemented:

From 2010 the PG courses became a 2-year 4-semester course from the initial annual examination mode.

6. Candidates qualified NET/SLET/ GATE

NET (for PG students only): Botany - 4, Chemistry - 10

No data available for: SLET/CAT/TOEFL/GRE/GMAT/IAS/IPS/IFS

7. Initiatives towards faculty development programme:

The students and faculty are exposed to advanced level of knowledge and skills through the following activities:

- ❖ Students are encouraged, motivated and guided by the teachers adequately so as to participate successfully in various national and State level research-oriented promotional programmes.
- ❖ Teachers attend the UGC Orientation Programmes and Refresher Courses organized by the Academic Staff Colleges of different universities
- ❖ They attend seminars / conferences / workshops organized by the college and other institutions
- ❖ They are engaged in research work utilizing books and journals in the general and departmental libraries, working with equipment and software purchased by the college utilizing UGC-CPE, UGC-BSR and other grants.
- ❖ The College provides internet facilities to the teachers and students during the College hours, free of cost. Students and teachers have the opportunity to acquire knowledge through internet surfing.
- ❖ The College deputed teachers to attend various seminars / workshops / conferences etc. organized by the academic institutions of other states of the country so that they get acquainted with the best practices of those institutions.
- ❖ Utilizing the research support available from different organizations like the UGC (minor and major research projects) and DST-India.
- ❖ The College is a subscriber of INFLIBNET and has a tie up with British Council Library. Teachers can utilize these resources also.

8. Total number of seminars / workshops conducted:

Seminars/Conferences

1. The International Year of Chemistry was celebrated in the college with the initiative from the Department of Chemistry on 19th December 2011. Prof. Bikas Sinha, Homi Bhabha Chair Professor, Variable Energy Cyclotron Centre, Kolkata, was the Chief Guest.
2. The 15th Aparesh Bhattacharya Memorial Annual Lecture, organised by the Chemistry Alumni of the college in collaboration with the Royal Society of Chemistry, Eastern India Section was conducted on 5th December 2011 in the College Seminar Hall. Prof. David W. Knight, Professor of Synthetic Organic Chemistry, School of Chemistry, Cardiff University, UK, gave a talk on "*Seven Ages of Organic Synthesis – a Personal View*".
3. The Departments of History and Philosophy jointly conducted a seminar on Vivekananda on 4th Dec. 2012 in the College Seminar Hall.
4. A Seminar on "*Substance Abuse*" was held especially for the first year students of the college on 10th October 2012. Resource persons from Narcotic Cell, Kolkata Police, addressed the students.

i) A National Seminar on a 'Re-appraisal of the Work of Eminent Bengali Novelist and Litterateur Manik Bandyopadhyay' was organised by the Department of Bengali in collaboration with Sahitya Academy.

ii) A Seminar on 'Bengali and Hindi Literature: A Comparative Study' was organized by the Bengali and the Hindi departments in collaboration with Sahitya Akademi.

iii) A 2 – day Syllabus Workshop was conducted by the Department of History in collaboration with Paschim Banga Itihas Samsad, Calcutta University and Netaji Institute of South Asian Studies, Kolkata.

iv) Tagore Study Centre & Tagore-Burns Exhibition

1. The Centre for Tagore Studies was formally inaugurated by the Rt. Rev. Ashoke Biswas, the Bishop of Calcutta and President of the College Council on 30th January 2012.
2. The college, jointly with the Robert Burns Birthplace Museum, Alloway, has organized a month-long Tagore-Burns Exhibition to highlight the cultural and literary connections between Rabindranath Tagore and Robert Burns, the bards of the respective countries. The exhibition, with text, pictures and exhibit specifications electronically transferred from Alloway, showcased rare photographs from both poets' lives culled from various museums of international repute. We were honoured by the presence of Sri Alapan Bandyopadhyay IAS, Principal Secretary, Department of Labour Welfare and Municipal Affairs, Government of West Bengal and Dr. Malabika Sarkar, Vice-Chancellor, Presidency University, as Chief-guest and keynote speaker respectively at the inauguration of the exhibition on 30th January 2012.
3. The First Seminar of the Tagore Study Centre of the college was held on 17th April 2012 in the College Seminar Hall. Prof. Alok Roy, Emeritus Professor, and former Head, Department of Bengali delivered the key-note address. Prof. Srabani Pal of the Rabindra Bharati University presented a paper on the works of Tagore.

v) Acharya Prafulla Chandra Ray Science Exhibition – District Level

The two-day district-level Science Exhibition for schools and colleges, to commemorate the 152nd birth anniversary of Acharya Prafulla Chandra Ray, renowned scientist of the country, was held on 28th and 29th July 2012 in the College Assembly Hall. Over one hundred and thirty schools and six colleges from Kolkata district participated in the exhibition. From the college section, Scottish Church College won the first prize for the Best Model among the exhibits.

vi) A series of Special Lectures were delivered by some teachers of the departments of English, History and Political Science on the themes of Indian history before some students and the Dean of Davidson's College, North Carolina, USA as a part of student and faculty exchange programme with that institution.

9. Research projects

- a) Ongoing
- b) Completed

| Name | Department | Title | Period |
|--------------------------|-------------------|--|-------------|
| 1.Sanjay Kumar Mukherjee | Political Science | Convicts: Problems and Prospects-A Case Study in Central Correctional Homes in West Bengal 1997-2006 | 2004-2006 |
| 2.Pradip Basu | Political Science | Derrida's Deconstruction: Political Implications | 2008-2010 |
| 3.Monalisa Basu | Political Science | Gerontological Problems of Aged Bengalis: A Social Perspective | 2005-2007 |
| 4.Esita Sur | Political Science | Politics of Unveiling of Muslim Women's agency: A comparative Study between Kolkata and Mumbai | 2012 - 2014 |
| 5.Varbi Roy | Philosophy | Knowledge and Its Conditions | 2008-2010 |
| 6.Mousumi Bhattacharyya | Philosophy | Environment and Moral Awareness from the Standpoint of | 2007-2009 |

| | | | |
|------------------|---------|--|-------------------------------|
| | | Philosophical Anthropology | |
| 7.Srijita Ghosh | Botany | Evolution of the Influence of Arsenate and Selenate on Growth and Metabolism in Wheat (Triticum aestivum PBW-343) | March 2012 to September 2013. |
| 8.Arпита Mukerji | English | Rev. Krishnamohan Banerjea: An Outstanding Derozian | 2005-2007 |
| | | | |
| | | | |

A.

Students are encouraged, motivated and guided by the teachers adequately so as to participate successfully in various national and state - level research-oriented promotional programmes as evident from their illustrative participation in a number of apex level educational entourage. The college library also helps students with its resources.

B.

Books and software packages are purchased utilizing CPE grants which are extremely helpful for research work. Recent installations include: 1. INFLIBNET e source of books and journals mainly for science subjects. 2. SPSS or Statistical Package for Social Sciences presently known as PASW (predictive analytic software) which is a very useful tool for research work, especially for social sciences. Ten such user packs are installed and used. Besides, space and infrastructure are given to the teachers on the campus.

Some MRP details are given below:

1.

Title of the Project: “Electrical Transport Properties of $R_{1-x}A_xMnO_3$ Nano-composites with R as rare earth elements and A as divalent alkali metals”

Name of the Principal Investigator: Dr. Upendranath Nandi, M. Sc, Ph. D

Department of Physics, Scottish Church College.

Sponsoring Agency: Department of Science and Technology, Government of India.

Sanctioned Amount: Rs. 13, 97,250.00

Objectives: "Measurement of electrical properties of Nano-composites"

2.

Title of the Project: 'Atmospheric oxidation of volatile organic compounds (VOCs): A theoretical investigation of reaction mechanism and kinetic parameters'.

Name of the Principal Investigator: Dr. Partha Biswas

Department of Chemistry, Scottish Church College.

Sponsoring Agency: DST (India); Scheme: Fast-Track Scheme for young Scientists.

Sanctioned Amount: Rs. 16, 90,000/-

3.

Department of Botany has an on-going research collaboration with Bose institute [DST GOI Sponsored institute], Kolkata and also Medicinal garden, Polyhouse, few sophisticated instruments i.e., PCR, Refrigerated centrifuge, spectrophotometer, Electrophoretic & Western blot apparatus etc.

10. Patent generated, if any

11. New collaborative research programmes:

See answer to Question 9

12. Research grants received from various agencies:

| Nature of the Project | Duration Year From To | Title of the project | Name of the funding agency | Total grant | | Total grant received till date |
|-----------------------|-----------------------|----------------------|----------------------------|-------------|-----------|--------------------------------|
| | | | | Sanctioned | Received | |
| Minor projects | 1. 2009- 2.2011- | | UGC | 92000.00 | 91863.00 | 91863.00 |
| | | | UGC | 187000.00 | 141000.00 | 141000.00 |

| Nature of the Project | Duration Year From To | Title of the project | Name of the funding agency | Total grant | | Total grant received till date |
|-----------------------------|-------------------------------|----------------------|----------------------------|-------------|-----------|--------------------------------|
| | | | | Sanctioned | Received | |
| | 3.2012-4.2012- | | UGC | 152600.00 | 122300.00 | 122300.00 |
| | | | UGC | 96000.00 | 75500.00 | 75500.00 |
| Major projects | 1.2009-2. 2011-3.2012-4.2010- | | DST | 1397250.0 | 1350000.0 | 1350000.0 |
| | | | UGC | 0 | 0 | 0 |
| | | | DST | 595800.00 | 391800.00 | 391800.00 |
| | | | | 1690000.0 | 1370000.0 | 1370000.0 |
| | | | DST | 0 | 0 | 0 |
| | | | | | 406300.00 | 406300.00 |
| Interdisciplinary projects | | | | | | |
| Industry sponsored | | | | | | |
| Students' research projects | | | | | | |
| Any other (specify) | 2011- | * | UGC | 100000.00 | 100000.00 | 100000.00 |

UGC/CPE/BSR Grants received from the UGC and utilized for building up research infrastructure, enriching the College Library, buying software packages, organizing seminars etc.

13. Details of research scholars:

In total, 5 teachers and 3 students have worked in the capacity of research guide and research student respectively in the recent past.

1) Dr. K.N.Ghosh of the Department of Botany has guided project and programme for M. Phil under Vinayaka Mission University, Salem, Tamil Nadu (distance education) in 2008

2) Prof. Swapna Das of the Botany Department has undertaken a project funded by West Bengal Biodiversity Board, in which two students (one from S.C.C. & other from Burdwan Univ.) are working.

3) Dr. Pradip Basu of the Department of Political Science has experience as Research Guide. He officially supervises one research on 'Charu Majumdar – A Political Biography' and also assists the following 3 researches on independent initiative: 1) 'Postmodernism, Class Struggle and Telengana Peasant Movement' 2) 'Naxalite Movement' and 3) 'Derrida's Differance'.

4) Dr. Amitava Roy, faculty, Department of Botany, has been assigned as Supervisor to guide doctoral studies for PhD programme under Calcutta University norms

5) Prof. Tumpa Mukherjee of the Department of Sociology served as SRTT Fieldwork Fellow from 1st September 2008 to 30th November 2008 at the School of Women's Studies, Jadavpur University. The fellowship was sponsored by Sir Ratan Tata Trust.

It may also be noted that two Research Fellows are undergoing research in the Botany Department in a project and another is working as a Research Assistant in DST-WB FUNDED project

In addition many research projects, individually or collectively, are in progress. The details may be found in the different departmental profiles.

The following two teachers of the college have been recognized as Research Supervisor for PhD programme by the University of Calcutta:

1. Dr. Pradip Basu (Department of Political Science)

Date of registration - 28.07.2008

Research area: "Naxalite Movement in Post-independent India".

2. Dr. Amitava Roy (Department of Botany)

14. Citation index of faculty members and impact factors:

15. Honours/awards to the faculty: national and international

Sri Parag Chatterjee, NSS student leader of the college was awarded the best student volunteer 2011 by University of Calcutta for his active participation in all the NSS activities of the college and university. He was also invited to give a talk in the university on the developments of science in the last decade on the occasion of 99th Indian Science Congress.

Scottish Church College is awarded the Best College in NSS Activities for 2012 by the University on 1st February, 2013 in the NSS Prize Day organized jointly by NSS Unit, University of Calcutta and State NSS Cell. Some important activities of Scottish Church College NSS unit are Polio Awareness Programme, NSS Day Celebration with other colleges on 24th September, 2012 and Swami Vivekananda's 150th Birthday Celebration on 12th January 2013. Among special activities are Programmes with CID Department West Bengal, Awareness on Consumer Rights by State Consumer Affairs Department and Session By DIG Traffic, West Bengal on Traffic Rules and Awareness.

Professor U. Nandi of the Department of Physics, the NSS convener for the year 2011-2012, was awarded by the University of Calcutta for his zealous efforts.

Prof. Alok Ray (Bengali, Emeritus Professor) and Prof. Tarun Sanyal (Economics, former Vice-Principal) have been honoured by the State Government. While Prof Ray has received the prestigious *Vidyasagar Smriti Puraskar*, Prof Sanyal has been honoured with the *Rabindra Puraskar*.

16. Internal resources generated:

17. Details of departments getting assistance/recognition under SAP,COSIST (ASSIST)/DST,FIST and other programmes:

18. Community services:

The college through the Teachers' Council helped the poor residents of Amlasole in West Midnapore District, West Bengal, by donating a certain amount of money (on a yearly basis) as well as various items such as clothes, toys, woollens etc. This is done primarily through the NGO (Micro Centre for Community Development and Research) working in Amlasole under the care of Dr. Arup Roy (Physics).

The College distributed clothes to the children of female inmates of Presidency Correctional Home, Kolkata, under the guidance of Prof. Tumpa Mukherjee of the Department of Sociology. She also supervised the participation of students in the Police-student interface organised by the Kolkata Police on November 22, 2005, as part of 150th Year celebration of Kolkata Police.

Some teachers of the Department of Zoology have taken part in extension activities like campus cleaning, anti-malarial campaign, distribution of clothes to poor people in Amlasole, distribution of blankets to poor people.

Campus cleaning was carried out during the recent outbreak of malaria. The Department of Botany also participated in the community science exhibition organised by the Paschim Banga Bijnana Mancha just beside the college.

The college is successfully running the NSS programme under the University of Calcutta for the last three years. During 2008-2009 and 2009-2010 NSS has undertaken various regular activities, and has organized two special camps. The NSS unit has adopted the Dewanji Bagan slum area in ward No. 14 of the Calcutta Municipal Corporation, adjacent to the college play ground at Bagmari, and has focused its activities in that area.

Currently the NSS unit has 100 student volunteers, one programme officer, and 10 other teachers involved with the NSS activities. Every year 50 students participate in the NSS special camp.

The NSS Unit of the college participated in several programmes organised by the University of Calcutta during these years.

The NSS Unit organised several environment/health/hygiene-related programmes in the college in collaboration with UBCHEA and Teacher Education Department of the college.

Three student-volunteers participated in the 19th basic Rock-Climbing Camp organized by Arete Mountaineering Federation in the Panchalingeshwar Hill in Orissa in December 2011.

Prof. Samrat Bhattacharjee, the Programme Officer attended a one-week Orientation Programme at Narendrapur Ramakrishna Mission.

Sri Parag Chatterjee, NSS Student's leader, spoke on Technological Developments in the programme "*Vigyan Jyot, 99th Indian Science Congress*" in Calcutta University on 28th December 2011.

A blood donation camp was organized with the help of the Students' Union of the college.

The Annual Special Camp was organized at the college ground from 21st – 27th January, 2012. Several programmes, like taking basic demographical information, Thalassemia detection, social awareness on alcohol addiction and child marriage, etc, were organised with the help of resource persons from outside.

Apart from the NSS, nine faculty members of various departments are associated with different NGOs in their individual capacities. Besides, four faculty members and three library staff are involved with social work at an informal level in their neighbourhood.

Besides, the college provides space and other facilities to the children of its needy support staff for academic purpose. The Department of Political Science organized a workshop for the children of the sex workers in collaboration with *Durbar*, a local NGO.

The college has organized a film show on AIDS for the benefit of the community.

19. Teachers and officers newly recruited

20. Teaching / non-teaching staff ratio:**21. Improvements in the library services**

A full automation of the library has been carried out and is completely functional now.

The Students and staff enjoy the benefits of free internet access, computerized browsing and lending facility, and subsidized photocopying utility.

22. New books /journals subscribed and their value:

Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes.

The Library Advisory Committee (LAC) comprises:

The Principal, Ex-officio Chairperson

The Vice Principal, Ex-officio Member

The Bursar, Ex-officio Member

The Librarian, Ex-officio Convener

Assistant Librarian

Teachers' Council Secretary

Some senior teachers

- The LAC meets regularly, deliberates on the budget, discusses thoroughly the proposals sent in by the departments and the students, and recommends steps for maintenance and up-keeping. The Librarian is responsible for the day-to-day activities of the library.
- The committee oversees the preparation of library budget, administration, selection and purchase of books and journals and their storing, preservation, computerization etc. The LAC advised that a full automation of the library be carried out and it was duly implemented.

- The Students and staff reap the benefits of free internet access, computerized browsing and lending facility, and subsidized photocopying utility – all of which came through the recommendations of the LAC.

Library

Details:

Total area of the library (in Sq. Mts.): 430 sq meters

- * Total seating capacity: 150 students and 15 staff
- * Working hours (on working days, on holidays, before examination days, during examination days, during vacation)

| | | |
|-----------------|---------------|---------------|
| on weekdays | Working days: | 10 am to 5 pm |
| pm on Saturdays | | 10 am 1-30 |

On holidays: Closed

Before examination days: As on normal days

During examination days: As on normal days

During vacation:

During summer recess the library is open on the working days except Saturday. During the Durga Puja and Christmas vacation the Library remains closed.

- * Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

The Library is one massive room which is divided into 3 (three) principal zones. One section is reserved for the library staff, and this houses 4 (four) computers for internet browsing. One section contains the computers (four in number) used for

| Library holdings | Year -1 2008-09 | | Year – 2 2009-10 | | Year – 3 2010-11 | | Year – 4 2011-12 | |
|---|--------------------|-----------------------|---------------------|-----------------------|---------------------|--------------------|---------------------|--------------------|
| | No. | Total Cost (Rs) | No. | Total Cost (Rs) | No. | Total Cost (Rs) | No. | Total Cost (Rs) |
| | Other books | 142 | 55500 | 34 | 9500 | 275 | 59410 | 44 |
| Any other (specify) [Gifts and Donations] | 44 | | 135 | | 152 8 | | 13 | |

- * OPAC Yes
- * Electronic Resource Management package for e-journals Yes
- * Federated searching tools to search articles in multiple databases Yes,
INFLIBNET
- * Library Website
YES. Incorporated in College Website as a separate page
- * In-house/remote access to e-publications Yes
- * Library automation Yes. Fully
automated
- * Total number of computers for public access 8
(4 for searching, OPAC; 4 for internet use)
- * Total numbers of printers for public access 1
- * Internet band width/ speed 2mbps 10 mbps 1 gb (GB) 2 Mbps
- * Institutional Repository Yes, USIS
- * Content management system for e-learning No
- * Participation in Resource sharing networks/consortia (like Inflibnet) Yes

| | |
|---|-------------------|
| * Average number of walk-ins | 100/day |
| * Average number of books issued/returned | 80/40 |
| * Ratio of library books to students enrolled | 100000 : 2000 |
| * Average number of books added during last three years | 4267 / 3 years |
| * Average number of login to opac (OPAC) | 80/day |
| * Average number of login to e-resources | 80/day |
| * Average number of e-resources downloaded/printed | 18/day |
| * Number of information literacy trainings organized | One annually. |
| * Details of “weeding out” of books and other materials | 4 in last 2 years |

Details of the specialized services provided by the library

| | |
|--|------------------------|
| * Manuscripts | No |
| * Reference | Yes. 90/day |
| * Reprography imprints/day | Yes. 1000 |
| * ILL (Inter Library Loan Service) | No |
| * Information deployment and notification (Information Deployment and Notification) Yes, Library maintains necessary files. | |
| * Download | Yes. 50/day |
| * Printing | Yes. 100 prints/day |
| * Reading list/ Bibliography compilation | Yes. Regularly |
| * In-house/remote access to e-resources | Yes |
| * User Orientation and awareness Annual Orientation Program for freshers | 1. |
| * Assistance in searching Databases | Yes. 1 dedicated staff |
| * INFLIBNET/IUC facilities | Yes (Teachers only) |

The support provided by the Library staff to the students and teachers of the college.

- The library is fully automated. There are sufficient number of computers in the library which are used by the students and staff (4 for searching, OPAC; 4 for internet use). The library, however, does not provide ‘open-access’ system.

- Both teachers and students have access to internet service during college hours, free of any cost.
 - There is broadband internet connection (BSNL) in the library.
 - Reprographic facility is available to the students and staff on payment of charge.
 - Online access to select journals is provided by the library through INFLIBNET.
 - Access to the library is available during normal college hours (10 am-5pm from Monday to Friday, 10 am-1.30 pm on Saturday for approximately 265 days per year (except Sundays, public holidays, vacation etc.)
- The Library takes regular feedback from its users (verbally and informally). The matter is discussed in LAC meetings routinely and strategies for improvement are worked out accordingly.

22. New books/journals subscribed and their value:

In the last four years the library spent an amount of Rs. 3, 59, 000/- (around Rs. 90,000/-per year) from the college fund, and an amount of Rs. 18, 14, 570/- from UGC grants, on books and journals.

After acquisition of the books, accession and categorization of the books are done. Only then these books are made available to the users.

| Library holdings | Year -1 2008-09 | | Year – 2 2009-10 | | Year – 3 2010-11 | | Year – 4 2011-12 | |
|------------------|--------------------|-----------------------|---------------------|-----------------------|---------------------|--------------------|---------------------|--------------------|
| | No. | Total Cost (Rs) | No. | Total Cost (Rs) | No. | Total Cost (Rs) | No. | Total Cost (Rs) |
| Text books | 1871 | 551918 | 394 | 100621 | 1917 | 672522 | 1251 | 519196 |
| Reference Books | 88 | 111582 | 5 | 3879 | 25 | 35864 | 22 | 36878 |

| Library holdings | Year -1 2008-09 | | Year – 2 2009-10 | | Year – 3 2010-11 | | Year – 4 2011-12 | |
|---|--------------------|-----------------------|---------------------|-----------------------|---------------------|--------------------|---------------------|--------------------|
| | No. | Total Cost (Rs) | No. | Total Cost (Rs) | No. | Total Cost (Rs) | No. | Total Cost (Rs) |
| Journals/ Periodicals | 125 | 12500 | 110 | 10000 | 160 | 15000 | 150 | 14000 |
| e-resources | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Other books | 142 | 55500 | 34 | 9500 | 275 | 59410 | 44 | 10200 |
| Any other (specify) [Gifts and Donations] | 44 | | 135 | | 152 8 | | 13 | |

23. Courses in which student assessment of teachers is introduced and the action taken on student feed back:

24. Feedback from stakeholders:

The college solicits stakeholder perception on its overall performance and quality through the following:

- i) Parent-Teacher meeting
- ii) Students' feedback
- iii) Feedback of the College to the Governing Body
- iv) Participation of the College in the Science Exhibition organized by *Paschim Banga Bijnana Mancha*, a very well-known body of Science in the state.
- v) Organizing various exhibitions such as the recently organized Tagore-Burns Exhibition jointly with Napier University, Edinburgh, UK, and partly funded by the Ministry of Culture, Government of India; the Kolkata District Youth Science Fair funded by the Government of West Bengal etc.

The College website is <http://www.scottishchurch.ac.in>, and information is updated as and when required.

Institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities.

Upgradation of IT infrastructure is done as and when required. A resource audit is conducted, the requirement assessed and financial resource generated. Quotations are invited from vendors and after careful consideration of relevant factors procurement is finalized. Steps are taken to maintain the computers etc. that have been bought earlier.

Details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

- . The annual budget has provisions of Rs 75,000/- for this purpose, every year.

The institution facilitates extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students.

Many classrooms in the college have been upgraded so that 'power point presentations' are enabled there. Students are encouraged to give seminar talks using ICT resources.

In order to promote student-centric teaching/learning, emphasis is laid on participative learning and peer teaching. Students are advised to use e-resources amply in preparing materials for their seminars, talks, group discussions, and especially project work. They, in turn, play the role of teachers towards fellow students. The teacher happily plays the role of a facilitator. This method helps to identify the future teachers.

The Departments take steps to protect sensitive instruments from mechanical and electrical damage, so that they render optimum and assured performances. All these instruments are protected from voltage fluctuations and power outages through the use of off-line and dedicated

on-line UPS. There is central power back-up through a diesel generating set (125 kVA, i.e.125 kilowatt). The DG set takes care that all the pumps are energized and water supply is ensured 24 x 365. Adequate number of water reservoirs is there in place. These water reservoirs are well maintained so that they conform to the standards of hygiene and safety enforced by the municipal authorities.

Infrastructure highlights:

(i) The college has 10 (ten) solar street lamps installed on the campus. This is a small step in its endeavor

to earn ‘carbon credit’.

(ii) The college has a vermi-composting plant as part of its ‘green campus initiative’.

(iii) Water conservation measures are taken so that water that is used for cooling (in the water-distillation

plants of the college) are stored in storage tanks. This water is re-used for washing utensils, clothes, cars

and also for gardening.

The institution publishes its updated prospectus, handbook and other student information annually. The information about the College Council, Executive Committee, College Senatus, Academic Council and Faculty of Post Graduate Studies, Faculty of UG Studies and Teacher Education, Fee Structure, Honours and General Subject Combinations, College Rules, General Library, Scholarships and Fee Concession, Academic Results, Prizes and Medals, College Hostels etc. are disseminated to students through this Prospectus.

The nature and purpose of Scottish Church College is the holistic development of an individual through liberal education pervaded by the universal principles and spiritual and moral values. The college continues its pursuit towards academic excellence all these years and ensure its commitment towards holistic education and hope that those who graduate from this college are academically strong, morally upright, socially concerned and spiritually Yes, the financial aid is available.

Table of Financial Support (Free Studentship)

| Year | Number of Students | Amount (Rs.) |
|------|--------------------|--------------|
| 2012 | 34 | 37,740 |
| 2011 | 41 | 43,920 |
| 2010 | 53 | 57,360 |
| 2009 | 59 | 69,540 |

| Year | Scholarships | | | Percentage of students |
|------|--------------|-------------------|---------------|------------------------|
| | State Govt. | National Agencies | Central Govt. | |
| 2012 | 81,300 | — | 33,820 | 2.15 |
| 2011 | 45,400 | — | 16,820 | 1.2 |
| 2010 | — | — | 65,870 | 0.5 |
| 2009 | 12,353 | 28,595 | 65,870 | 0.31 |

- (a) College has reservations for them as per university and government norm and financial aid is provided by the college. Certain concession in tuition fees in the form of granting full or half-tuition fee waiver are awarded to them.
- (b) College has reservation for physically handicapped students as per university and government norms and financial aid such as Handicap Scholarships are given to the students.
- (c) College organizes special camping programme and sometimes financial aid is also available.
- (d) On-campus medical facilities are available for the students on a fixed day of each week.
- (e) The college has a placement cell where the students are provided career guidance.

- (f) For slow learners special classes are arranged by departments. Students' counselling centre has been set up in the college.
- (g) Trained counsellors are available in the Students Counselling Centre.
- (h) College magazine is published annually with substantial contribution from the students. A wall magazine 'Kheyal Pata' is published regularly by the students.

28. Technology upgradation:

29. Computer and internet access and training to teachers/non-teaching staff and students:

30. Financial aid to students:

Table of Financial Support (Free Studentship)

| Year | Number of Students | Amount (Rs.) |
|------|--------------------|--------------|
| 2012 | 34 | 37,740 |
| 2011 | 41 | 43,920 |
| 2010 | 53 | 57,360 |
| 2009 | 59 | 69,540 |

31. Activities and support from the alumni:

The Scottish Church College Former Students' Association (SCCFSA), established in 1955, works tirelessly to keep the former students in touch with one another and with the college. The Association organizes reunions and social gatherings. Recently, a series of programmes have been organised by the Association to celebrate the 150th Birth Anniversary of Swami Vivekananda, one of the great alumni of the college.

A number of departments of the college have Alumni Association. The Chemistry, Economics, Political Science, Bengali, Botany, Physics and Philosophy Alumni Associations organize reunions bi-annually/annually. Other departments are in the process of setting up their Departmental Alumni Associations.

32. Activities and support from the parent-teacher association:

33. Health services:

On-campus medical facilities are available for the students on a fixed day of each week.

34. Performance in sports activities:

Our students regularly participate in different games such as Basketball, Football, Athletics etc.

The students of the College represented the North Calcutta District in the State Athletics Meet held at Salt Lake Stadium on 5th March, 2011.

- * The College participated in the Inter-collegiate Basketball Tournament held in Loreto College in January 2011.
- * The students also participated in the various events in the XII Non-Government Athletic Meet held on 11th February 2011 at Calcutta University ground.
- * Competitions on co-curricular activities were organized by the NSS Unit for celebration of Common-Wealth games in India in September 2010. Prizes and certificates were distributed to the winners by Mr. Nitish Biswas, NSS Programme Coordinator, CU.

List of Items and Participants in Sports (2011-12) :

| Events | Men Participants | Women Participants |
|---------------|------------------|--------------------|
| 100m Race | 40 | 40 |
| 200m Race | 35 | 35 |
| 400m Race | 35 | 30 |
| 1500m Race | 20 | — |
| Shot Put | 10 | 10 |
| Discus Throw | 10 | 10 |
| Javelin Throw | 10 | 10 |
| Long Jump | 12 | 7 |
| High Jump | 11 | 9 |
| 4×100m Relay | 8 | 8 |

- Total student participation - above 150
- Details of Major Student Achievements in Sports and Games
 - College Annual Sports Bhavish Gamage Eng.(H), II yr. Boys Champion
 - 2010-11
 - College Annual Sports Yangchenla Bhutia Pol.Sc.(H) II yr. Girls Champion
 - 2010-11
 - Intercollegiate Basketball College Team — Runner up
 - Tournament (Jan. 2011)
 - XII Non-Government Yangchenla Bhutia Pol.Sc.(H) II yr. 1st
 - Athletics Meet 2011
 - Discus Throw
 - XII Non-Government Moumita Mondal Microbiology (H) 2nd
 - Athletics Meet 2011 I yr.
 - 800m Race
 - XII Non-Government Tapasree Gupta Zoology (H) I yr. 3rd
 - Athletics Meet 2011
 - 800m Race
 - XII Non-Government Yangchenla Bhutia Pol.Sc.(H) II yr. 3rd
 - Athletics Meet 2011
 - Shot-put
 - XII Non-Government Tapasree Gupta Zoology (H) I yr. 3rd
 - Athletics Meet 2011
 - Long Jump
 - College Annual Sports Bhavish Gamage Eng.(H), III yr. Boys Champion
 - Athletics Meet 2011-12
 - College Annual Sports Debolina Majumdar Chemistry (PG) Girls Champion
 - Athletics Meet 2011-12 Yangchenla Bhutia Pol.Sc.(H) III yr. Girls Champion
 - State Athletics Meet 2011-12 Debolina Majumdar Chemistry (PG) —
 - 800m Race
 - State Athletics Meet 2011-12 Debolina Majumdar Chemistry (PG) 3rd
 - 400m Race
 - State Athletics Meet 2011-12 Krishna Prasad Sharma 3rd
 - Shot-put
 -
 - State Athletics Meet 2011-12 Aileen Stella Tudu 3rd
 - Javelin Throw
 - North Calcutta District College Team Semi Finalist
 - Football Championship
 - 2011-12
 - North Calcutta District Debolina Majumdar Chemistry (PG) 1st
 - Athletics Meet 2011-12
 - 800m Race

| | | | | | | | | |
|----------|--|--|--|--|--|--|--|--|
| (if any) | | | | | | | | |
|----------|--|--|--|--|--|--|--|--|

Results of University Final Examination 2012

| Subject | No. of students | | | | Success rate in Honours | Rank(s) in CU top 20 list In the |
|---------|-----------------|------------|---------------------|----------------------|-------------------------|-------------------------------------|
| | appeared | passed out | secured first class | secured second class | | |
| BNGA | 37 | 36 | 0 | 36 | 97 | |
| BOTA | 19 | 19 | 10 | 9 | 100 | 6,10 |
| CEMA | 38 | 37 | 31 | 6 | 97 | 2,3,15,18 |
| CMSA | 21 | 21 | 18 | 3 | 100 | 1,5,9,15 |
| ECOA | 54 | 54 | 20 | 34 | 100 | 20 |
| ENGA | 41 | 38 | 3 | 35 | 93 | 19 |
| HISA | 34 | 32 | 0 | 32 | 94 | 2,15,16 |
| MCBA | 20 | 20 | 13 | 7 | 100 | 4,5,7,20 |
| MTMA | 32 | 28 | 19 | 9 | 88 | 1,6,16 |
| PHIA | 15 | 13 | 3 | 10 | 87 | 15 |
| PHSA | 31 | 27 | 18 | 9 | 87 | 15 |
| PLSA | 44 | 38 | 1 | 37 | 86 | |
| SANA | 38 | 36 | 7 | 29 | 95 | 7 |
| ZOOA | 24 | 22 | 13 | 9 | 92 | 2 |

Results of University Final Examination 2011

| Subject | Number of Students | | | | Success Rate in Hon (%) | Success Rate in Hon+ Gen (%) | Rank(s) in CU top 20 list In the |
|------------|--------------------|-----------------------|---------------------------|--------------------------|------------------------------------|------------------------------|-------------------------------------|
| | Enrolled | 1 st Class | 2 nd Class | Passed in General Course | | | |
| BNGA | 43 | 0 | 42 | 1 | 97.7 | 100 | |
| BOTA | 24 | 11 | 11 | | 91.7 | 91.7 | 3,10,19 |
| CEMA | 44 | 17 | 27 | | 100 | 100 | 15 |
| CMSA | 21 | 11 | 9 | | 95.2 | 95.2 | 18,19,20 |
| ECOA | 39 | 9 | 27 | 3 | 92.3 | 100 | 9,10,18 |
| ENGA | 48 | 1 | 45 | 2 | 95.8 | 100 | 19 |
| HISA | 28 | 0 | 28 | | 100 | 100 | |
| MCBA | 23 | 9 | 14 | | 100 | 100 | 10 |
| MTMA | 25 | 6 | 12 | 1 | 72 | 76 | |
| PHIA | 35 | 2 | 32 | | 97.1 | 97.1 | 5 |
| PHSA | 44 | 16 | 28 | | 100 | 100 | |
| PLSA | 49 | 3 | 42 | 2 | 91.8 | 95.9 | 3,4,15 |
| SANA | 41 | 2 | 22 | 15 | 58.5 | 95.1 | 13 |
| ZOOA | 20 | 6 | 12 | | 90 | 90 | |
| | | | | | | | |
| B.B.A. (H) | Enrolled | 1 st Class | Passed with Supplementary | Success rate (%) | CU Position of the College Topper* | | |

| | | | | | | | |
|-----------|----------------|--------------------------------|-----------------------------|--------------------------------|---|--|--|
| | | | | | | | |
| M.Sc. | 31 Enrolled | 17 1 st Class | 13 2 nd Class | 96.8 Success rate (%) | 1 | | |
| Botany | 23 | 16 | 7 | 100 | | | |
| Chemistry | 34 | 31 | 3 | 100 | | | |

37. Activities of the guidance and counseling units:

- Academic and personal counseling of the students is done by teachers of the department if necessary. In the practical classes of the science departments there is scope of mentoring through intimate interaction of the students with the teachers at the personal level. Sometimes the Principal, the Vice-Principal and other senior teachers also indirectly mentor the students and provide mental support and guidance to them.
- There is a professional psychological counselling centre attached to the institution for helping stressed out students viz., Anisha Counselling Centre. The detail of the individual counselling in the college from December 2011 to November 2012 are presented in the following table.

Records of the academic, personal and psycho-social support and guidance services provided by the Counselling Centre, 2011-12

| Name | Date | Department (Class) | Discussed on |
|-----------|----------|-----------------------|---|
| Student 1 | 27.12.11 | Teacher Education | Family maladjustment. Her married elder sister is a victim of domestic violence and this is making her parents over protective about the student and she is finding it suffocating. |
| Student 2 | 27.12.11 | Teacher Education | She is a new mother and feels guilty while leaving the newborn at home with nanny |

| | | | |
|------------|---------------------------------|---|---|
| Student 3 | 27.12.11 | Teacher Education | She is a teacher and mother of two sons. According to her, she becomes very ill tempered while making her children study in the evening |
| Student 4 | 03.01.12 | Zoology (First Year) | Due to his caste (SC) he has been getting advantage in choosing his stream, but he failed in 1 st Year once and is finding it difficult to pursue with science |
| Student 5 | 17.01.12 | Political Science (Second Year) | She was sexually abused by her father's friend and is insecure about commitment |
| Student 6 | 09.10.12 16.10.12 27.1.12 | History (First Year) | He is not much familiar with lectures given in English and is finding it difficult to adjust with |
| Student 7 | 09.10.12 20.11.12 | Business Administration (Second Year) | Learning skills |
| Student 8 | | Business Administration (Second Year) | Learning skills |
| Student 9 | | English (First Year) | Broke up with her boy friend and sad about it |
| Student 10 | | Economics (First Year) | Learning skills |

38. Placement services provided to students:

We have the placement and counselling services for the students. Some trained and qualified counsellors are available in the centre and they participate in academic and personal counselling.

A full fledged placement cell is functional in the college which looks after the placement and career guidance from the UG and PG students of the college.

In the period December 2008 to the present day, more than 60 undergraduate students have been employed in different fields.

39. Development programmes for the non-teaching staff:

Workshop organised in 2007 (Details from the Senatus Secretary – KNG, SD, SB, AM

40. Good Practices of the institution:

41. Linkages developed with national/international, academic/research bodies:

International Linkages:

The Principal's visit to the US to attend the CUAC Triennial Conference at University of South, in Sewanee, US and, on his return to Scotland in 2011 opened up several opportunities for international connections and linkages. Some of them are yet to be fully explored and taken forward.

- a. The Department of Environmental Studies of University of South, Sewanee showed keen interest in our work on environmental studies, especially in vermi-composting.
- b. Davidson College, North Carolina, US, is to establish a South-Asian Study Centre in Scottish Church College with the help of departments of History and Political Science of the college. As a prelude the collaboration, eleven students from the South Asian Study Centre, Davidson College, visited the college on 4th & 5th October 2012 for a course on Indian History/Philosophy/Literature and Culture and interacted with our faculty during the lectures. The course proved fruitful and the positive response of the visiting students indicated that the college is equipped to handle more such international academic exchanges.
- c. The Moderator of Church of Scotland, Rt. Rev. David Arnott and the General Secretary, Mr. Sandy Sneddon, on behalf of Church of Scotland, offered to send a Young Adult Volunteer on a regular basis to the college, for a possible cultural exchange as well as for administrative support to the college.
- d. The New College, Edinburgh, where Rev. Dr. Alexander Duff served as the Dean of Divinity, soon after his return from India in 1860s, is ready to sponsor staff/students of the college for short term courses in theology in their college.
- e. On discussion with Mr. Mike Russell, the Cabinet Secretary (Minister) for Education in his chamber in the Scottish Parliament House, he expressed his desire to tie up with Scottish Church College through several of the colleges and universities in Scotland. Later when Mr. Russell and his team visited our college on 12th November 2011, he addressed the faculty members and offered all his assistance as Cabinet Secretary for education to any faculty member of the college for possible research collaborations with any higher education institutes in Scotland.
- f. The interaction between the Principal and the officials of The University of Napier, Edinburgh to set up a Tagore Study Centre in the college with the assistance of Departments of English, Bengali, Sanskrit and Philosophy of the college was found fruitful. Dr. Sandra Cairncross, Dean & Senior Teaching Fellow, visited the college on 15th September 2011 to take the project forward.
- g. To mark the 150th Birth Anniversary of Tagore, the college in association with the Edinburgh Napier University, Scotland, set up a Centre for Tagore Studies to facilitate research on Tagore and 19th Century Bengal, with special emphasis on his Scottish links. This collaborative linkage with a foreign university will place the college in the international map of Tagore scholarship.
- h. Some institutes in France are ready to take up students from Scottish for their post-graduate studies in France, providing required financial assistance in terms of bursary/scholarship. In

this context, Mr. Gilles Verniers, Sciences PO, Paris and his team visited the college on 9th August 2011.

- i. The United Board (UBCHEA) continues to support the college through various projects. In 2011 UBCHEA sanctioned a sum of US\$ 3,000.00 for a new project “*Campus Environment Audit: Assessment of Floral, Faunal and Microbial Diversity*”.
- j. The college participates in programmes and conferences organised by IAPCHE (International Association for Promotion of Christian Higher Education).

k Lord Charles Bruce, Chairman, Kolkata Scottish Heritage Trust, visited the college on 27th January 2009 to know more about the college and to interact with the staff members. Lord Bruce is descended from two Viceroys of India and is also the Chief Patron of Japan Society of Scotland and of the Canadian Friends of Scotland Foundation.

l Dr. David L. Gosling, Principal, Edwards College, University of Peshawar, Pakistan, visited the college on 10th November 2009 and addressed the staff and students on “*Darwin’s Science and Its Impact on Indian Society*”.

m. Prof. Ben Baer of the University of Princeton, USA, spoke in an international Symposium on ‘Contemporary Issues and the World’ organized by *Journal of Humanities and Social Sciences*, Scottish Church College.

n. A series of Special Lectures were delivered by some teachers of the departments of English, History and Political Science on the themes of Indian history before some students and the Dean of Davidson College, North Carolina, USA as a part of student and faculty exchange programme with that institution.

Other Linkages:

i) Prof. Suranjan Das, Vice-Chancellor, Calcutta University spoke on the discipline of history on the occasion of a 2-day Syllabus Workshop organized by the Department of History in collaboration with *Paschim Banga Itihas Samsad*, Calcutta University and Netaji Institute of South Asian Studies, Kolkata. The outcome of the workshop was the introduction of a thoroughly revised history syllabus for undergraduate honours and general courses under Calcutta University.

ii) A National Seminar on a Re-appraisal of the Work of Eminent Bengali Novelist and Litterateur Manik Bandopadhyay was organised by the Bengali Department in collaboration with Sahitya Akademi.

iii) A Seminar on ‘Bengali and Hindi Literature: A Comparative Study’ was organized by the Bengali and the Hindi departments in collaboration with Sahitya Akademi.

iv) A 2 – day Syllabus Workshop was conducted by the Department of History in collaboration with Paschim Banga Itihas Samsad, Calcutta University and Netaji Institute of South Asian Studies, Kolkata.

Tagore Study Centre & Tagore-Burns Exhibition

The Centre for Tagore Studies was formally inaugurated by the Rt. Rev. Ashoke Biswas, the Bishop of Calcutta and President of the College Council on 30th January 2012.

The college, jointly with the Robert Burns Birthplace Museum, Alloway, has organized a month-long Tagore-Burns Exhibition to highlight the cultural and literary connections between Rabindranath Tagore and Robert Burns, the bards of the respective countries. The exhibition, with text, pictures and exhibit specifications electronically transferred from Alloway, showcased rare photographs from both poets’ lives culled from various museums of international repute. We were honoured by the presence of Sri Alapan Bandyopadhyay IAS, Principal Secretary, Department of Labour Welfare and Municipal Affairs, Government of West Bengal and Dr. Malabika Sarkar, Vice-Chancellor, Presidency University, as Chief-guest and keynote speaker respectively at the inauguration of the exhibition on 30th January 2012.

The First Seminar of the Tagore Study Centre of the college was held on 17th April 2012 in the College Seminar Hall. Prof. Alok Roy, Emeritus Professor, and former Head, Department of Bengali delivered the key-note address. Prof. Srabani Pal of the Rabindra Bharati University presented a paper on the works of Tagore.

Acharya Prafulla Chandra Ray Science Exhibition – District Level

The two-day district-level Science Exhibition for schools and colleges, to commemorate the 152nd birth anniversary of Acharya Prafulla Chandra Ray, renowned scientist of the country, was held on 28th and 29th July 2012 in the College Assembly Hall. Over one hundred and thirty schools and six colleges from Kolkata district participated in the exhibition. From the college section, Scottish Church College won the first prize for the Best Model among the exhibits.