

**ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC**

**NAME OF THE INSTITUTION : ST. XAVIER'S COLLEGE (AUTONOMOUS), KOLKATA**  
**YEAR OF REPORT : JULY 2010 TO JUNE 2011**

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**SECTION A****Plan of action chalked out by the IQAC for the year 2010-2011 towards quality enhancement.**

The year marked the completion of the sesquicentennial celebration of the college. St. Xavier's College has been instrumental in contributing to the rich tradition of the educational culture of West Bengal and the nation for the past 150 years. The institution aims at the enhancement of the academic quality through innovation in teaching – learning strategies and pursuit of creative research in the different domains of knowledge. To achieve the goals, the following are identified as the major thrust areas in the year 2010-11.

- ❖ Innovations in curricular design, curricular re-structuring and transition
- ❖ New academic programmes / Inter-disciplinary programmes
- ❖ New strategies of teaching – online, video conference
- ❖ Enhancement of infrastructural facilities and expansion of space in the Jubilee building
- ❖ Collaboration research with foreign universities through Student Exchange Programme
- ❖ Review of syllabus and methods to introduce a uniform pattern of curriculum
- ❖ Introduction of examination reforms to update the system of evaluation and expediate the process of publication of results
- ❖ To introduce more PG courses and introduce changes in the already existent course
- ❖ To tie up with industrial / corporate houses in organizing more industrial visit for student exposure
- ❖ To organize departmental orientations, new faces orientation programmes and faculty enrichment programmes for excellence
- ❖ Technological upgradation with regard to the development of a centralized software in order to preserve and update information related to the academic and non academic needs of the entire college
- ❖ Inauguration of rooms for the Department of English, Political Science, and Sociology with computers and other infrastructural facilities
- ❖ Establishing the Right to Information Cell
- ❖ New measures to help foreign students' admission process into diverse programmes of study
- ❖ Remedial measures for academically weak students
- ❖ Plan for the development of the new hostels
- ❖ Development of outreach programmes in the Social Service Scheme involving more students from the college
- ❖ Mobilization of more internal resources

**SECTION B****Details in respect of the following****1. Activities reflecting the goals and objectives of the institution.**

The new academic year started on 1<sup>st</sup> July 2010 with the inauguration programme for the fresher. There were five inaugural programmes for different departments – B.Com (M) / B.Ed / BA & B.Sc / BBA / B.Com (E). Separate orientation programmes were also held by all the departments after the inauguration so as to inform the freshers with the rules and regulations of the college.

**The various academic activities are listed below:**

- A) 4 research projects worth Rs 15.6 Lakhs have been completed and 21 projects by different department worth 1.6 Crores is continuing, in addition the institution has two international collaboration. The projects (Major/Minor) are funded by UGC, CSIR, and DST.
- B) Faculty members from various departments have published 21 books in the current year as indicated below:

Sl No	Author	Department
1	Rev. Dr. J. Felix Raj	Economics
2	Dr. M. Hanif	Com – M
3	Dr. M. Hanif	Com – M
4	Dr. Sudipto Roy	Physics
5	Prof. Rilina Basu (Banerjee)	Economics
6	Prof. Rilina Basu (Banerjee)	Economics
7	Dr. Ranjanendra N. Nag	Economics
8	Dr. Ranjanendra N. Nag	Economics
9	Dr. Ranjanendra N. Nag	Economics
10	Dr. Arup Kr. Mitra	Microbiology
11	Dr. Aryadeep R. Choudhury	Biotechnology
12	Dr. Tapati Dutta	Physics
13	Prof. Ashish Sarkar	Com – E
14	Prof. Chandrima Banerjee	Com – E
15	Dr. Argha Banerjee	English
16	Prof. Rajib Choudhury	Bengali
17	Dr. Sanjib Kr. Basu	Com – M
18	Dr. Sanjib Kr. Basu	Com – M
19	Prof. Chanchal Chatterjee	Com – M
20	Rev. Dr. Dominic Savio	Com – M
21	Prof. Jnanranjan Chakraborty	Com – M

C) **Research Publication / Papers presented / seminars and conferences attended by faculty** in the year 2010-11 are as follows:

- I) Research Publication in International Journals
- II) Papers Presented by the faculty in seminars and conferences
- III) Seminars / conferences attended by the faculty

Sl No	Department	I	II	III
1	Physics	14	07	08
2	Computer Science	15	01	03
3	Microbiology	11	09	05
4	Biotechnology	04	02	04
5	Chemistry	07	–	02
6	Statistics	02	–	02
7	Sociology	01	01	01
8	Economics	05	14	01
9	English	02	07	02
10	Bengali	02	–	01
11	Commerce (M)	07	–	10
12	Commerce (E)	03	–	04
13	Political Science	–	01	–
14	Film Studies	–	01	–
15	EVS	–	03	01
16	Hindi	–	–	01
17	Mathematics	–	–	03
	<b>Total</b>	<b>73</b>	<b>46**</b>	<b>48**</b>

\*\*The above list does not include papers presented by the faculty members in conferences and seminars (Int./Nat./Local) organised by the institution. The list is those which the faculty have participated outside the institution.

\*\*22 papers were presented by the faculty in the international seminars/conferences

\*\*12 faculty members attended International Conferences/Seminars

D) **Dr. Rahul Sharma (Chemistry)** was awarded PHD by Jadavpur University for his thesis entitled “SOFT COMPUTING TECHNIQUES IN THEORETICAL CHEMISTRY” on June 2011. This brings the PHD holders of the faculty to **63**.

E) **Faculty members as resource persons in various programmes outside the college.**

Sl. No	Faculty Name	Department	Place
1	Dr. Arup Kr. Mitra	Microbiology	Jalan College January 22 <sup>nd</sup> 2011.
2	Prof. Amitava Ghosh	Commerce – E	Academics Staff College
3	Prof. Shibaji Banerjee	Commerce – M	ICAI, Kolkata Chapter 2010
4	Prof. Sougata Banerjee	Commerce – M	BITS Pilani, Rajasthan
5	Fr. Dr. S. Xavier	EVS	Programme Co-ordinator on Sustainable Agriculture

F) **23** Faculty members of different department attended Refresher / Orientation Courses organized by Academic Staff College of different Universities.

G) **9** Faculty members are guiding **13 Research Scholars** for their PHD work in different Universities.

**H) Seminars of different departments**

SL. NO	Department	Details
1	Physics	1. SPECTRUM – two day annual departmental seminar held on 25-26 <sup>th</sup> February 2011.
2	Computer Science	1. Seminar on “MODELING AND SIMULATION TECHNIQUE USING MATLAB”, 1 <sup>st</sup> October 2010. 2. Seminar on Information Retrieval in association with Information Retrieval Society of India, 27 <sup>th</sup> March 2011.
3	Microbiology	1. “MODERN TRENDS IN MICROBIOLOGY” – two day seminar, 8-9 <sup>th</sup> November 2010.
4	Biotechnology	1. Lectures by the following medical practitioner for the 4 <sup>th</sup> year students, i) Dr. Mitali Chatterjee, Dept. of Pharmacology, PG Medical Education and Research – 6 lectures ii) Dr. Suparna Chatterjee, Dept. of Pharmacology, PG Medical Education and Research – 2 lectures iii) Dr. Gairik Sengupta, Dept. of Pharmacology, NRS – 2 lectures. iv) Dr. Rakesh Roy, Cancer Hospital – 2 lectures.
5	Chemistry	1. “EMERGING FRONTIERS IN CHEMISTRY II” on 4 <sup>th</sup> February 2011. 2. “Some Concepts in Thermodynamic” Lecture by Prof. Kamal Bhattacharya CU, 11 <sup>th</sup> January 2011. 3. “Alzheimer Disease” Lecture by Dr. Som Dutta Ghosh Dey, 31 <sup>st</sup> March 2011.
6	Statistics	1. “STATISTICAL COMPUTING” Lecture by Dr. Ashim Shankar Nag, 28 <sup>th</sup> June 2011.
7	Sociology	1. Anjan Ghosh Memorial Lecture on 18 <sup>th</sup> December 2010. 2. Seminar on Babri Masjid, 6 <sup>th</sup> October 2010. 3. Seminar on Binayak Sen, 4 <sup>th</sup> February 2010.
8	Economics	1. “CONFLUENCE 2010” – two day inter college meet, September 2010.
9	English	1. Annual departmental seminar “LITERARIA 10” – film adaptation of Shakespeare, 22 <sup>nd</sup> September 2010
10	Mathematics	1. ANALYTICA – Inter college seminar cum workshop sponsored by National Board of Higher Mathematics, 23-25 <sup>th</sup> September 2010. 2. One day seminar for faculty enrichment – Prof. Amartya Dutta ISI, Prof. Subhash Mondal JU, 6 <sup>th</sup> April 2011.
11	Political Science	1. “GENDER SENSITIZATION” workshop in collaboration with IAWRT, September 3-4 <sup>th</sup> 2010.

**D) Annual Departmental/Society magazine**

SL No	Department	Name and Date
1	College Research Magazine	“AVISKAR”
2	Physics	“HORIZON 2011” during the annual departmental two day seminar (Recent Trends in Physics)
3	Microbiology	“MODERN TRENDS IN MICROBIOLOGY” – 8 <sup>th</sup> November 2010
4	Biotechnology	CHAISMA 6 <sup>th</sup> October 2010
5	Statistics	PRAKARSHO November 2010.
6	Economics	“ECO ECHOS” published during “CONFLUENCE”.
7	English	“ODE TO EXPRESSION 2011”
8	Commerce (M)	“INERTIA” (Dept. of Management)
9	Hostel	Hostel Magazine “Hostel Times”
10	BBA	“XECUTIVE”

SL No	Society	Name and Date
1	Science Association	PEBBLES, 28 <sup>th</sup> February 2011.
2	Hindi Literary Society (HLS)	BAHURANG 2011
3	Xavier Commerce Society (XLS)	YOU THINK
4	NSS	KADAM
5	Bengali Literary Society (BLS)	UNMESH January 2011

**J) Society Activities**

Apart from the day to day activities of the society the main societies, the function are as follows:

SL No	Societies	Details
1	Student's Union	XAVOTSAV – Annual Cultural Fest, 22-24 <sup>th</sup> January 2011, 20 colleges participated
2	Science Association	Celebration of the National Science Day through EUREKA – science exhibition, debate, quiz, etc.
3	Fine Arts Society	Photography Competition cum Exhibition, 11 <sup>th</sup> February 2011.
4	Xaverian Film Academy	1.“THE LOOKING GLASS 2010” – three day short film festival at Nandan II, 28-31th September 2010. 2.“IMAGO” – intra college short feature film festival 22 <sup>nd</sup> January 2011. 3.CINEMATHEQUE – a short film festival 8-9 <sup>th</sup> March 2011.

5	Bengali Literary Society (BLS)	1.XAVULLASH 2011, Annual Inter College Fest, 19-21 <sup>st</sup> February 2011. 2.Felicitation of Fr. Dantien on his receiving "RABINDRA PURASHKAR" on 12 <sup>th</sup> January 2011.
6	Hindi Literary Society (HLS)	"VIVIDHA", Cultural fest, 5 <sup>th</sup> February 2011.
7	Xaverian Theatrical Society	1.Staged "BHANUMATIR KHEL" 21 <sup>st</sup> January 2011. 2."AAJIR" – Inter College Drama Competition, Sahara India, 14 <sup>th</sup> August 2010, BEST PRODUCTION.
8	XADAM	❖ 6 months certificate course in dance and music – commenced on 9 <sup>th</sup> August 2010. ❖ Presented cultural performances on the Inaugural day, feast of Ignatius Loyola, Teachers Day, Independence Day, Christmas Concert, Sports Day, Convocation and Valedictory functions. ❖ A special course of performing arts with six value added credits leading to a diploma was introduced. ❖ The annual fest GOONJ 2010 was held the focal theme being Rabindranath Tagore with his play TASHER DESH. ❖ WORKSHOP – i) 3 <sup>rd</sup> September 2010 by eminent choreographer Vishal Kanoi. ii) 10 <sup>th</sup> – 12 <sup>th</sup> January 2011 a three day work shop by Kriya Café, a leading dance studio. iii) 4 <sup>th</sup> – 8 <sup>th</sup> February 2011, Neo classical ballet workshop by Shibram Sharma.
9	Entrepreneur Development Cell	1. Organized 4 entrepreneurship awareness camps during the period September 10 to February 11 with a total of 150 students participating. 2. Organised a three day Environmental Awareness Camp, 24 <sup>th</sup> – 26 <sup>th</sup> September 2010.
10	SWAR	2 day work shop on "GENDER SENSITIZATION" – By SWAR SXC in collaboration with SAMVED, IAWRT and Cinema Women 3-4 <sup>th</sup> September 2010.
11	Hostel	Annual Hostel Fest – COFRADIA

### K) College Activities

- i) Fr. Superior General of the Society of Jesus addressed faculty members/alumni on 10<sup>th</sup> March 2011 on the Future Thinking of Jesuit Education.
- ii) 4<sup>th</sup> Convocation and Valedictory ceremony of SXC with Honourable Governor as chief guest 22<sup>nd</sup> January 2011.
- iii) Fr. Jimmy Keepuram, Vice Principal Arts & Science, visited Beijing from 7-12<sup>th</sup> June for selection of Chinese students for admission.
- iv) Dr. J. Felix Raj addressed the Merchant Chamber of Commerce on "HIGHER EDUCATION – LOOKING AHEAD", 17<sup>th</sup> February 2011.
- v) 31<sup>st</sup> Annual conference of Bengal Economic Association (BEA) in collaboration with Dept. of Economics SXC, St. Xavier's College 12-13<sup>th</sup> February 2011.
- vi) "ST. XAVIER'S GLOBAL EARTH SUMMIT" – An International Conference on Sustainable Earth, St. Xavier's College, March 11-12<sup>th</sup> 2011.
- vii) "INTERNATIONAL MARKETING SUMMIT INERTIA" – Department of Management, 28-29<sup>th</sup> January 2010.
- viii) UGC sponsored National Seminar on – "PROFESSIONALISM IN TEACHER EDUCATION", Department of Education, 21-22<sup>nd</sup> February 2011.
- ix) "JESUIT EDUCATION IN INDIA" – Symposium, 25<sup>th</sup> September 2010.
- x) Tally ERP training programme – professional from Tally Software Pvt. Ltd as resource person, 21<sup>st</sup> December 2010.
- xi) LINUX orientation programme, resource person Prof. Anamika Basu Das, 12<sup>th</sup> and 19<sup>th</sup> March 2011.

- xii) Staff Orientation Programme, Department of Commerce, 29<sup>th</sup> June 2010.
- xiii) Faculty Orientation Programme Department of Commerce, 25<sup>th</sup> September 2010.
- xiv) Staff Orientation Programme on Environmental Issues, 19<sup>th</sup> February 2011.
- xv) Dr. Tapati Dutta and Dr. Shibaji Banerjee made presentation at INSA for FIST and DST funds.
- xvi) The Computer Science Lab (Four Laboratories) with 245 computers was inaugurated on 24<sup>th</sup> September 2010.

#### L) Students Achievement

- i. **Risika Das Roy (Pol. Sc.)** Won one month fellowship to Cambridge University under "Young Visionary Award" to study Global Politics.
- ii. **Sonal Diwan (Pol. Sc.)** on selection attended a summer school in London School of Economics from July 5 – 24<sup>th</sup> 2010.
- iii. **Arijit Banerjee (Com – M)** attended Specialist Academy Pace Bowling at Chandigarh, arranged by BCCI, July 20- August 15.

#### M) Industrial Visit

##### Microbiology

The department organized two visit to Sankrail Food Park, Howrah and also the Mother Dairy factory in Dankuni during January 2011 and June 2011. The students of Second year will be submitting a field note stating their experience.

##### Biotechnology

The department had its annual excursion for study of animal and plant biology as a part of the sem VIII curriculum.

##### Commerce (E)

Third Year Marketing Specialization student visited Mother's Dairy and Thacker's Dairy in September 2010 for understanding Industry Operations.

##### Mathematics

Industry exposure to Sem IV Hons students at Sarangsoft India Pvt. Ltd. on 7<sup>th</sup> March, 2011.

#### N) Educational Tour

##### Political Science

3 day village Trip by Sem VI Student on 05/03/2011 to Nowshida Chowk 24 Parganas (S) to assess and analyze the educational standard of secondary school children.

##### Physics

- i) Workshop for Observational Astronomy for PG students, ARIES, Nainital, 7-11<sup>th</sup> March 2011.
- ii) Trip to Bose Institute Campus at Darjeeling for Atmospheric experiments, Darjeeling, April 2011.
- iii) Dr. Tapati Dutta Visited CNRS, Geo Sciences, Mont Pellier, France as Visiting Professor from October 14<sup>th</sup> 2010 for one month.

##### Microbiology

The students of the department went to the 98<sup>th</sup> session of the Indian Science Congress in Chennai. 15 papers were presented in the different sections like Plant Science, Medical Science, Environmental Science etc.

##### Biotechnology

Students went for a week long excursion in February 2011 to North Bengal forests and submitted a written report for assessment. Sem VI students visited SINP laboratory for an exposure in advanced laboratory techniques.

##### Sociology

3 day Village exposure programme for 2<sup>nd</sup> year students 25-27<sup>th</sup> February 2011.

**O) Foreign Exchange Programme****Political Science**

SXC has entered into collaboration with College of St. Benedict and St. John's University, Minnesota where 12 students will attend the January – June semester for their course work from 2012.

**Biotechnology**

Soumya Kundu participated in an exchange programme to visit the the Department of Agriculture and Food Science at University of Manitoba, Canada.

**Bengali**

In July – December Semester 2010-11, students from Minnesota University studied a course on Bengali Language.

**Microbiology**

- i. Rev. Fr. Dr. S. Xavier SJ went for a visiting lectureship in the Department of Public health for 5 month in the Santa Clara University, USA during February to June 2011.
- ii. Dr. Riddhi Majumder went for a short term post doctoral research program to the University of Texas South Western Medical School during October- November, 2010.
- iii. Three students, two from Microbiology and one from the Biotechnology went for a short term student exchange program to University of Manitoba during October 2010 and four students from the University of Manitoba visited the institution during December/January 2010-2011. These students attended classes, went to Indian Science Congress, 2011 in Chennai.

**2. New academic programmes initiated (UG and PG).**

UG – Bachelor in Multimedia and Animation

PG – Microbiology

**3. Innovations in curricular design and transaction.**

The innovation and curricular design and transaction are as follows:

- ❖ Almost for all departments the curriculum and the syllabus have been thoroughly revised and restructured.
- ❖ Curriculum Restructuring Committee (CRC) is undergoing a process of a through curriculum restructuring to make it interdisciplinary. The restructuring, if accepted in the Academic Council will be in force from the academic session 2013-14.
- ❖ Meetings with HoD's were held to identify the various strengths and weakness and measures were taken for necessary improvements.
- ❖ Some of the innovative approaches in the curricular design and transaction may be mentioned as follows:
  - i. Introduction of compulsory internship (as in B.Com and BBA)
  - ii. Regular Industry visit
  - iii. Research methodology classes for Project work
  - iv. Guest faculty from other institutions of repute and Industry.
  - v. Work in the rural areas as a part of the Credit requirement.
  - vi. Field study
  - vii. Students' participation in national and international seminars and presentation of papers.



#### 4. Inter-disciplinary programmes started.

The CRC is seriously working to modify the curriculum of all departments so as to introduce inter-disciplinary courses. If approved by the Academic Council, it is expected to start from July 2013 session.

There were inter-disciplinary programmes between different departments like, Commerce and BBA, Commerce and Economics, Statistics and Microbiology, Microbiology and Chemistry, Microbiology and Biotechnology etc. Most of those programmes were annual and regular. Some of the inter-disciplinary programmes were as follows:

- Insignia (Departments of BBA and Economics)
- Xavier Management Convention (BBA and B.Com. Department).
- Spectrum (Physics Department with all the Science & Humanities Depts.).
- Inter-disciplinary Research Journal called 'Aviskar' published during January 2011.
- Seminar on modern trends in Microbiology involving the Departments of Chemistry, Microbiology and Biotechnology.
- Four Entrepreneurship Awareness camps, in which students from the Departments of Chemistry, Microbiology, Statistics, Physics, Economics, Computer Science and Commerce participated.

#### 5. Examination reforms implemented.

In order to expediate the process of publication of results the following new method was implemented:

- ◆ All general papers will be totally internally evaluated and scrutinized.
- ◆ All Honours papers will be first internally evaluated.
- ◆ 20% of the honours papers will be sent to the external examiners after random sampling to check the standard of evaluation. If there is a discrepancy between the two (internal and 20% external evaluation) in a large number of scripts the papers will be fully examined by the external and the average of the two will be the marks obtained by the candidate. If there is a difference of 15% between the internal and external evaluation, the script will be sent to a 3<sup>rd</sup> examiner whose marks will be the final marks obtained by the candidate.

#### 6. Candidates qualified: NET/SLET/GATE etc.

No data Available

#### 7. Initiative towards faculty development programme.

Seminars, workshops, symposiums, and faculty enrichment programmes were conducted by the College departments (regularly/annually) or in collaboration with outside institutions.

National level seminars were also conducted by the College. Teachers were also encouraged to attend seminars, workshops, refresher courses, orientation programmes, etc.

No. of refresher courses attended by teachers	23
Midyear Seminar for teachers	01
Junior Faculty Orientations	02
Inter-College Faculty program	01
Teachers' Improvement Programmes	04
Departmental Programmes	10

#### 8. Total number of seminars/workshops conducted.

Total no of seminars/workshops conducted were 22.

**9. & 12. Research projects a) Ongoing; b) Completed c) Grants Received.**

During the period July 2010 to June 2011 the research project ongoing /completed and the research grants received were as follows:

Sl No	Name	Department	Funding Authority & Nature	Amount (Lakhs)	Status
1	Subhankar Ghosh	Physics	UGC Minor	1.72	Completed
2	Chandana Barat	Biotechnology	UGC Major	11.7	Completed
3	Uma Siddhanta	Biotechnology	UGC Minor	1	Completed
4	Sudipa Saha	Biotechnology	UGC Minor	1.21	Completed
5	Sanjib Ganguly	Chemistry	UGC Minor	1.17	Running
6	Ankur Roy	Chemistry	UGC Minor	1.31	Running
7	Indranil Chakraborty	Chemistry	DST Fast Track	17	Running
8	Asoke Nath	Comp. Sc.	UGC Minor	1.34	Running
9	Tapati Dutta	Physics	DST Major Indo French		Running
10	Tapati Dutta	Physics	UGC Major	12	Running
11	Tapati Dutta	Physic	DST Major	3.724	Running
12	Subhankar Ghosh	Physics	UGC Major	6.688	Running
13	Partha P. Ghosh	Economics	ICSSR Minor	Amt. to Come	Running
14	Mahasweta M. Ghosh	Microbiology	CSIR Major	15	Running
15	Kasturi Sarkar	Microbiology	DST Major	7	Running
16	Arup Kr. Mitra	Microbiology	UGC Minor	1.32	Running
17	Chandana Barat	Biotechnology	CSIR Major	22	Running
18	Aniruddha Banerjee	Biotechnology	UGC Major	11.67	Running
19	Dipankar Chakraborti	Biotechnology	DBT Major Indo Swiss		Running
20	Jhimli Dasgupta	Biotechnology	CSIR Major	19.5	Running
21	Jhimli Dasgupta	Biotechnology	DBT Major	12.5	Running
22	Ranita N. Chaudhuri	Biotechnology	CSIR Major		Running
23	Ranita N. Chaudhuri	Biotechnology	DST Fast Track	27.6	Running
24	Dipankar Chakraborti	Biotechnology	ICAR Major		Running
25	Siddhartha S. Saha	Commerce	UGC Major	4.27	Running

Projects Completed – Rs. 15.63 Lakhs (App)

Project Running – Rs. 164.092 Lakhs (App)

**10. Patents generated, if any**

Nil

## 11. New collaborative research programmes

The new collaborative research programmes were as follows:

- ❖ Biotechnology department of St. Xavier's College and Chittaranjan National Cancer Institute – “Anti-Cancer potential of ATRA in MURINE MELANOMA model”.
- ❖ Biotechnology Department of St. Xavier's College and Bose Institute Kolkata – “Evaluation of ASAL expressing chickpea transgenic plants for the inheritance of aphid resistance (Co investigator, Indo-Swiss Collaborative Biotechnology (ISCB) – DBT funded (BT/IC2/SWISS/PSNet/SAMPA/2009).
- ❖ St. Xavier's College, Department of Environmental Studies and SEVA Kendra Kolkata – “Action Research Programme to promote renewable energy and public health.
- ❖ St. Xavier's College, Department of Environmental Studies and Lok Kalyan Parishad – “Swanirbhar Programme” for Hygiene and Public Health.
- ❖ St. Xavier's College, Department of Environmental Studies and AQUA Welfare Society – “Arsenic mitigation programme” – This research programme was funded by Berkley University, Forgaty, California.
- ❖ Microbiology department of St. Xavier's College and Chemico process Pvt. Ltd. -YeastImmobilization and extraction of alcohol from Madhuka indica –
- ❖ Microbiology department of St. Xavier's College and – Calcutta laminating Industries - Extraction of Xanthophylls from Marigold petals.
- ❖ Microbiology department of St. Xavier's College and – Calcutta University - Role of Microbe in heavy metal eradication.

## 12. Research grants received from various agencies.

Refer Question 9

## 13. Details of research scholars.

The details of research scholars were as follows:

Sl. No	Faculty	Department	No. Of Scholars
1	Dr. Tapati Dutta	Physics	2
2	Dr. Sarbari Guha	Physics	1
3	Dr. Chandana Barat	Biotechnology	2
4	Dr. Aniruddha Banerjee	Biotechnology	1
5	Dr. Dipankar Chakraborti	Biotechnology	1
6	Dr. Jhimli Dasgupta	Biotechnology	2
7	Dr. Mahasweta M. Ghosh	Microbiology	1
8	Dr. Partha P. Ghosh	Economics	1
9	Dr. Ranjanendra N. Nag	Economics	2

## 14. Citation index of faculty members and impact factor.

The citation index of faculty members and impact parameter are with the respective faculty.

## 15. Honors/Awards to the faculty: National and International.

During the Convocation and Valedictory Function of January 2011, the “Nihil Ultra Award for Excellence” was given to Prof. M. M. Rahman for his long and dedicated service as a faculty and administrator.

Besides, the following honors / awards were received by the faculty:

1. Rev. Dr. J. Felix Raj was awarded a “Core Communique Award” in July 2011 for initiatives and contributions in the field of education.
2. Prof. Ananya Chakraborty – “Understanding Trafficking”, the film was awarded the best film in the non feature category in the TIBURON film festival, California USA December 2010.

3. Prof. Ananya Chakraborty – “Journey”, Short film received 3<sup>rd</sup> prize at SCRIPT, INT. SHORT FILM FEST. at Cochin 28-29<sup>th</sup> January.
4. Dr. Arup Kumar Mitra - Member of advisory committee section, EVS, Indian Science Congress Association.
5. Rev. Dr. S. Xavier – Visiting Faculty, Department of Public Health, Santa Clara University, Santa Clara, California, USA March-June 2011.
6. Prof. Anjan Chakraborty was a visiting faculty at SP Jain Institute of Management, Singapore, July 2010.

#### 16. Internal resources generated.

Sl. No.	Nature	Amount in Rs.
A.	Donations	50, 15, 385
B.	Development Fund	39, 23, 000
C.	Investments	46, 16, 562
D.	Sale of forms etc	56, 27, 449
E.	Others	33, 74, 428
F.	Total	2, 25, 56, 824

#### 17. Details of departments getting assistance/recognition under SAP, COSIST

##### (ASSIST)/DST, FIST, and other programmes.

The DST has approved an amount of Rs 75 Lakhs for various scientific programmes in the departments of Physics/Chemistry/Microbiology/Biotechnology.

#### 18. Community services.

The community services are rendered through National Service Scheme, SXC under the guidance of the Director of NSS

##### **MOTTO – Not me but you**

##### **Vision and Mission – To create Men and Women for others**

Students of all departments must compulsorily undertake social work for at least 30 hours through direct social service in their three years of stay.

**CAMPS:** Apart from the day to day social activity of NSS at its various rural extension centres throughout the year, the other major programmes were as follows:

- 1) **Blood Donation Camp:** - On 9<sup>th</sup> August 2010 in the College premises **646** students donated blood. This is the biggest collection by the Association of Voluntary Blood Donors in a day from any institution. This is continuing for the last seven years.
- 2) **Puja Camp:** - From 21<sup>st</sup> to 27<sup>th</sup> October 2010 at Gurap, more than **50** students from various departments spent seven days helping in digging a ground and laying the foundation for an upcoming tribal girls' hostel.
- 3) **Shishu Mela:** - On 30<sup>th</sup> January 2011, about **700** under privileged children from rural villages and urban slums were entertained with games, sports, and magic shows and cultural programme in the college campus.
- 4) **Prayas:** - Camp held from 24<sup>th</sup> to 26<sup>th</sup> June 2011 in the college. **50** students from Bholakhali, a village adopted by the college after AILA participated. Activities included interactive sessions, group discussions, film shows and city tours.

**VISITS:**

- 1) **Bholakhali Visit:** On 18<sup>th</sup> February 2011, **50** students visited Bholakhali and organized a full days programme which included academic sessions and games.
- 2) **Paikhala Visit:** On 19<sup>th</sup> February 2011, 15 students visited Paikhala to conduct teaching sessions in English, Bengali and Mathematics.
- 3) Almost every Sunday 15-20 students do direct social service at various rural extension centres as directed by the NSS Director.

The departmental magazine "**KADAM**" was released on 26<sup>th</sup> February 2011.

Apart from the special activities, the Sunday activities in all six operating villages continued as usual. The other activities were

- **Teacher's Day Celebration** – On 5<sup>th</sup> September 2010, about 20 volunteers celebrated Teacher's day with the teachers of Paikhala Primary School.
- **Children's Day Celebration** – On 14<sup>th</sup> November 2010, at the various operating villages with small groups of children.
- **New Year's Celebration** – On 9<sup>th</sup> January 2011, about 25 volunteers celebrated New Year with **250** children from the village Devipur, Shalpur, Gostomath, Bolorampur in the premises of St. Paul's Raghavpur School.
- **Women's Day Celebration** – On 6<sup>th</sup> march 2011, on the occasion of Women's Day a Legal Aid Awareness Programme was organised at Shalpur where more than 200 women from 4 different villages participated.

**19. Teachers and officers newly recruited.**

The teaching staff / supportive staff newly recruited in 2010-11 were as follows:

Full Time Faculty	<b>07</b>
Part Time Faculty	<b>10</b>
Supportive Staff	<b>06</b>

**20. Teaching – Non-teaching staff ratio.**

During 2010-11 the ratio of teaching / non teaching staff was 1:0.4

**21. Improvements in the library services.**

Apart from the existing services of Reading room facility / Lending library facility / Research Cubicles with computers / Reprographic facility / Internet, Inflibnet, Delnet facilities, the new implementations during 2010-11 were as follows:

- 1) The facility of e-journal forum JSTOR has been introduced (online journals 3000+)
- 2) The facility of e-journal Nature has been introduced (online journals 2 with 4 years back archives.
- 3) DELNET facility has been introduced from 24<sup>th</sup> September 2010(online journals 5400+).
- 4) The SDI (Selective Dissemination of Information), Library Software LIBSYS, Reprographic service, documentation circulation system and CAS (Current Awareness Service) and CCS (Carrier Counseling Service) have been upgraded / improved.

The Goethals Indian Library – A treasure trove of Indological knowledge having some of the most valuable rare collection of books, periodicals, paintings, antics, (1886-1901) has been thoroughly renovated. GILRC offers fellowship for research in Indological studies.

**22. New books/journals subscribed and their value.**

New books/journals subscribed during the year 2010-11 are as follows:

Title	Number	Expenditure (Rs)
New Journals and Magazine	26	68, 028
New Books added	5897	21, 52, 767

**23. Courses in which student assessment of teachers is introduced and the action taken on student feedback.**

The outgoing students of the 3<sup>rd</sup> year as well as the 2<sup>nd</sup> year students of B.Com department were instructed to give feedback on teachers' performance. Structured feedback was taken from the outgoing 3<sup>rd</sup> year students in the Arts & Science departments. The feedback taken from the students was statistically analysed and reports were communicated to respective professors.

**24. Feedback from stakeholders.**

Structured feedback was taken from the outgoing students on various respects like teaching, evaluation, infrastructure, admission etc. These were recorded and analysed through computers. The results were discussed at various levels for effective planning, implementation and improvements.

Teacher's Council meeting was held periodically to get feedback of teachers. This was done at two levels at the levels of Teachers' Council and Sub Council.

The college administration held meetings at different levels. The feedback from the teaching faculty was taken twice from the respective Sub-Council meetings and once in Teachers' Council meeting. The Principal conducted regular meetings with Deans and HoD's for administration and academic feedbacks.

He also met each department of the college individually to come to a shared understanding for future betterment. The Principal also met the non teaching staff members once a month on the occasion of birthday celebration to take feedback from them.

Feedback is taken from parents once a semester. The Principal and Vice Principal met them for this purpose.

Feedback weretaken from the Alumni/ae members in the monthly meetings and open forum in which Principal and the Vice Principal participate.

There also exists specific visiting hours for parents/alumni, which is published in the website for providing the administration with suggestions about the overall improvement of the college. Regular feedback in the meetings of the NT staff and office bearers were taken.

A grievance box is placed in front of the Principal's office to take feedback from the students at any time. These are taken care by the members of Grievance Redressal Committee and the Principal.

VP's and Deans are in regular touch with the students and parents to get their feedback suggestions and opinion.

**25. Unit cost of education (Per Annum).**

Aided	Self Financing
Rs. 8, 710	Rs. 28, 407

**26. Computerization of administration and the process of admissions and examination results, issue of certificates.**

The various computerizations which were carried out were as follows:

- ❖ All the administrative and office activities were computerized.
- ❖ The College developed customized software for Student Information management covering various aspects like Admissions, Academic Performance, Daily Attendance, Transcripts, etc.
- ❖ The College Admissions were fully computerized. The applications are received on-line through the College Website.
- ❖ All activities of Controller of Examinations were computerized with customized software. Starting from the printing of admit cards, conducting the examinations, publication of examination result and the issue of final certificates are done through computers.
- ❖ Certain administrative activities like Salaries, Accounts etc. were also computerized.

**27. Increase in the infrastructural facilities.**

The increase in infrastructural facilities which were carried out are given below:

- ❖ The central computer facility with four separate computer lab to accommodate about 230 students with individual computers having internet connection was inaugurated on 24<sup>th</sup> September 2010.
- ❖ The Language Laboratory with a capacity of 35 seats became operational
- ❖ The College canteen renovated with increase in capacity and separate enclosure for the staff. A roof top canteen for lunch, for the faculty and students became operational from January 2011 for catering to the fourth floor.
- ❖ Fire extinguishers were installed at various locations.
- ❖ Lamination machine and scanner were installed in central library for preparation of library cards.
- ❖ The Multi media and Animation department, B.Ed. Class rooms and offices of NCC, Student Union, AICUF, Placement Cell, NT Staff, Counseling Centre, SC/ST Cell were shifted to the new building.
- ❖ Treasurer's Office was renovated and equipped for better functioning.

**28. Technology upgradation.**

The technological up-gradations which were carried out were as follows:

- ❖ The campus network with fibre optic backbone extended to the new building.
- ❖ Up gradation of Microbiology, Biotechnology and Computer labs were carried out.
- ❖ Procurement of multimedia and animation software like Adobe, Macromedia and Maya for the BMM and Animation courses were made together with procurement of more computers.
- ❖ Procurement of more computers for Multi-media and Animation Department.

**29. Computer and internet access and training to teachers, non-teaching staff and students.**

The various aspects are detailed below:

- ❖ Almost all computers have internet access
- ❖ Teaching, non-teaching staff and students were trained on latest technology whenever need arose
- ❖ Computer labs with 230 computers with internet connections for training students of all departments in computer programmes commenced on September 2010.
- ❖ All offices were provided with individual printers and office staff with individual computers connected to campus network.
- ❖ Separate computer labs for M.Sc. (Comp.Sc.) with 45 computers and M.Sc (Physics) with 35 computers for training the students of PG for computational work.
- ❖ All departments were provided with individual computers with Internet access.
- ❖ The Computer Centre and COP trained students of Certificates and Diploma courses.
- ❖ A Cyber Room with internet access with 35 computers help students for their academic activities.
- ❖ Orientation to library staff to handle LYBSIS and other latest technologies were conducted.
- ❖ Tally ERP and LINUX orientation programme were conducted for the non teaching staff.

**30. Financial aid to students.**

In addition to the existing 23 Scholarships for meritorious students an additional amount of Rs. 21, 74, 031 has been disbursed for financially needy students.

**31. Activities and support from the Alumni Association.**

The activities and support of the Alumni Association were as follows:

- ❖ SXCCAA has followed a principle to stand by and support the events of the various Societies and Departments of the College, whoever has come to the SXCCAA for such assistance.
- ❖ SXCCA took care of the needs of almost all the rural project nurtured by the college in Bholakhali, Paikhala, Devipur, SXC night school etc. to the extent possible. It has been associated on a regular basis with the NSS unit of the college and with Prayas and regularly extended support in all these philanthropic projects.

The other programmes organized during the year were:

- ❖ Celebration of Teacher's Day followed by lunch on 4<sup>th</sup> September 2010.
- ❖ The Alumni Re-union was held on 16<sup>th</sup> January 2011.
- ❖ "Beyond Barriers" – The yearly cultural fest of SXCCA was held on 25<sup>th</sup> January 2011. Rs 10 lakhs was donated to the college fund for raising another floor in the hostel.
- ❖ Fr. Joris Memorial Nihil Ultra Debate with eminent speaker from different spheres was conducted. The debate was well attended.
- ❖ The annual Christmas dinner and fellowship took place before the Christmas celebration.

**32. Activities and support from the Parent-Teacher Association.**

At St. Xavier's College, the Vice Principals had regular meetings with parents to discuss the progress of their wards and to review their performance. The Alumni Association also functions as a Parents' Association which meets the teachers on the occasion of Teachers' Day and Christmas Day. Parents have always been supportive. There were regular meetings under the umbrella of the Alumni Association. A substantial amount of support came from the Alumni Association for the development of the College and also for outreach activities. The College has always enjoyed generous and whole hearted support from the parents. Parents of students are free to meet the teachers and Vice-Principals as per mutual convenience.

**33. Health services.**

- 1) Basic first-aid facilities by Social Service Department of the college
- 2) Infirmary in St. Xavier's with provision of rooms with proper beds, wheel chairs, oxygen, ambulance, stretcher and basic medicines.
- 3) Full time nurse, compounder, ayahs etc. In case of emergency the institution has links with nearby hospitals and nursing homes like Mission of Mercy and Lifeline.
- 4) Renowned doctors regularly visit the college. A good number of doctors are our alumni.

**34. Performance in sports activities.**

The activities of the sports department are as follows:

- The mega event (Annual Sports) was held on January 8<sup>th</sup> 2011. Brijesh Damani (Xaverian) was the guest of honour.
- 22 inter departmental tournaments for students
- Participation of St. Xavier's Hockey team Men/Women, Xaverian club Basketball team Men/Women in the appropriate senior division league.
- Achievements – A) 12 students of the college played for the state (Badminton-4, Cricket -3, Basketball/ Equestrian/ Hockey/ Golf/ Fencing – 1each). B) A record no of college students (33) represented university team in All India University and East Zone Tournament (Hockey-5, Basket Ball-10, Badminton-6, Lawn Tennis-8, Cricket – 3, Table Tennis – 1).
- College students won the following inter college tournament of CU:  
Badminton (Men & Women) – Champions



Table Tennis (Women) – Runner Up  
 Volley Ball (Men) – 3<sup>rd</sup> Position

- The annual teaching vs. nonteaching cricket match

All the Winners/Runners-up/State Representative/University Blues were felicitated on 13<sup>th</sup> April 2011 in addition to those who were felicitated on the annual sports day.

The department arranged an exhibition in Room No 15 on 20th September where all trophies, reports and photographs taken during the last five years were exhibited.

### 35. Incentives to outstanding sportspersons.

Special considerations are shown to outstanding sports person during admission.

Considerations are also given for attendance, mid-term examinations etc. if they represent the college in various sports events. Students participating and winning in various sports activities were rewarded with certificates, trophies and medals during the annual prize distribution ceremony on 17 January, 2010.

Every Year sport persons of the year are felicitated by the sports department.

### 36. Student achievements and awards.

The student's achievements for the year 2010-11 were as follows:

1. **Risika Das Roy (Pol. Sc.)** Won one month fellow ship to Cambridge University "Young Visionary Award" to study Global Politics.
2. **Sonal Diwan (Pol. Sc.)** on selection attended a summer school in London School of Economics from July 5 – 24<sup>th</sup> 2010.
3. **Arijit Banerjee (Com – M)** attended Specialist Academy Pace Bowling at Chandigarh arranged by BCCI, July 20- August 15.

The NCC under the 20 (Bengal) Battalion was established in 1950. The achievements of NCC cadets of the college during the period July 2010 to June 2011 are summarized below:

- ❖ **60 NCC** cadets participated in various camps in and outside the state.
- ❖ NCC organized Independence Day celebration in 2010 in the college premises by inviting Group Commander, 'Kol C', group, NCC – CAPTAIN (IN) **K. S. Phogat**. The cadets offered Guard of honour to the chief guest.
- ❖ In 2011 Republic Day camp held at New Delhi, two girl cadets **Arundhati Basu** and **Ishika Sharma** of the B.Com (E) department represented the directorate of West Bengal and Sikkim.
- ❖ **Arundhati Basu** has been selected to represent the country in Youth Exchange Programme to be held at Singapore in the next month.
- ❖ The department has given security services at the Convocation Ceremony and Beyond Barriers programme conducted by the college in January 2011.
- ❖ **60 cadets** of this college appeared for the certificate examinations conducted by the NCC and performed as officer cadets.
- ❖ An NCC cadet of this college, **Padamvir Singh** has been selected in the Indian Military Academy as Officer Cadet.
- ❖ A girl cadet **Jaya Tigga** participated in a national level camp (TSC) and received the best cadet medal.

Students with outstanding academic records were rewarded during the convocation and valedictory function on January 2011.

Apart from the 23 awards and scholarship given to students for academic excellence, an additional Rs. 21, 74, 031 were disbursed to needy students.

**37. Activities of the Guidance and Counselling unit.**

The counseling centre at SXC provides personal and vocational guidance to students. Counseling is available for 14 hours a week. The activities are as follows:

- Orientation talks to freshers spread over a period of two months
- Group counselling sessions were arranged for students.
- Personal counselling sessions were conducted to help students to resolve their problems.
- Client centered sessions on one to one basis were conducted using professional methods. Methodology used was non directive client – centered therapy.
- Vocational guidance was given to students suggesting them possible career related choices.

**38. Placement services provided to students.**

The college has placement cell with the following details:

Email – [xcplacementcell@gamil.com](mailto:xcplacementcell@gamil.com) / [placement@sxccal.edu](mailto:placement@sxccal.edu)

Phone - +91 033 22551217

Blog – [www.sxcpc.blogspot.com](http://www.sxcpc.blogspot.com)

Facebook – [www.facebook.com/pages/placementcell-sxc](http://www.facebook.com/pages/placementcell-sxc)

Placement Records:

Year	Companies	Absorbed	BA	BSC	BCOM	Management
2010-11	34	234	48	71	89	26

A brief list of the major intakers is shown below:

Companies	No
Wipro	18
Google	17
Mckinsey	10
Cognigent – BPO	30
Cognigent – IT	18
Fedral bank	08
UBS	19
IBM Daksh	23
ICRA Techno Analytics	14
Indus Net Technology	12
Maruti Suzuki	04
DCL	04
Siemens	02

**39. Development programmes for non-teaching staff.**

The various development programmes were as follows:

- The Governing Body of the college constituted a committee of two teaching staff and two non teaching staff with Dr. Dipankar Sengupta as Convener. The committee recommended to the Principal the guidelines to be followed for the promotion of the non teaching staff. The report was thoroughly discussed and the Principal formulated plans in consultation with the committee for the promotion of NT staff. It will be implemented by September 2011.
- In an effort to provide better accommodation a few of the non teaching staff were shifted to the new jubilee building.
- Health care facilities, health insurance scheme and interest free loans continued for the welfare of NT staff.

- The new staffs were given orientations and training in matters of use of computers and software management. Orientation programmes for college office staff and LIBSYS orientation programme for library staff was conducted on 12<sup>th</sup> March 2011.

#### 40. Good practices of the institution.

Fr. Principal initiated the freshers to the tradition and culture of St. Xavier's and proposed to them the Mission and Vision of the College. St. Xavier's is an idea that the members of this institution perform and put into consistent practice. The other best practices included are:

- Additional coaching, tutorial and remedial classes, sessions for academically backward students.
- Specialized coaching in soft skills and personality development.
- Transparent evaluation methods – the students can access the assessed scripts and can go for re-evaluation.
- Encouraging the students by awarding various prizes and medals at the convocation.
- A pre-planned and published Academic Calendar and its implementation together with curricular co-curricular and extracurricular schedule.
- Continuous evaluation (mid-semester exams, assignments, projects, seminars, internship etc).
- Holding of seminars and workshops on relevant topics.
- Picnic cum educational excursion, and local excursions.
- Enhancement of research facilities and encouragement for Survey, Research & Case Study.
- Organisation of Debate, Quiz, Role Plays, and various other programs by the student societies and clubs.
- Extension and outreach activities to train students to be socially relevant.
- Giving support to financially weak students in the form of scholarships, freeships etc.
- Discipline maintained by the students in the campus and apolitical environment.
- Encouragement of sports and organization of annual sports day.
- Uninterrupted supply of clean, drinking water and electricity.
- Pollution free environment and ' no smoking campus ' and fruitful adherence by staff and students.
- Internet Service to staff and students, computerized offices and library.
- Dedication and sincerity of teachers, punctuality and regularity among the staff and students leading to excellent percentage of attendance of both.
- Use of modern technology in classroom.
- Effective and scientific feedback system.
- Networking and organizing workshops / seminars and regular faculty participation in seminars and workshops on topics of importance held in the country and abroad.
- Involvement in relief activities in case of natural calamities.
- A vibrant and active Alumni Association of the College.
- Well maintained playgrounds and facilities for sports and games.
- Help in placement and counseling.
- A comprehensive Website.
- Grievance cell in place
- Regular staff meeting, different committee meeting, IQAC meeting and decision making.
- Maintenance of security at the gate and in the campus.
- Freedom and family spirit and maintenance of cosmopolitan environment.
- Easy access to administration for the stake holders.
- Presence of disaster management team.
- Well maintained hostels.
- Cordial relationship with State Government and Calcutta University.
- Regular interaction with academicians of repute and with industry.

**41. Linkages developed with National/ International, Academic/Research bodies.**

The linkage with Bose Institute, Saha Institute of Nuclear Physics, Calcutta University, Jadavpur University and Indian Institute of Chemical Biology are continuing. The other linkages are as follows:

1. Students exchange Programme with University of Manitoba Canada – 4 students participated from December 28<sup>th</sup> to January 12, 2011.
2. 12 Students from College of St. Benedict and St. John's University, Minnesota, USA, participated for a full semester as a part of International Exchange programme from January 10, 2011.
3. On 14<sup>th</sup> March faculty members of College of St. Benedict and St. John's University, Minnesota, USA, had a discussion for extending and expanding the Students International Exchange Programme.

One faculty member is a visiting Professor at Santa Clara University, Santa Clara, California, USA.

With IUCCA collaboration for initiating astronomy studies will be started.

**42. Action Taken Report on the AQAR of the previous year.**

The actions taken report on the AQAR of the previous year are as follows:

- Opening of the Bachelor of Multimedia and Animation (UG) and Microbiology (PG) from 1<sup>st</sup> July 2010.
- The inauguration of the Central Computer Laboratories on 24<sup>th</sup> September 2010.
- To respond to the requests from different countries for admission of their students, an admission policy and fee structure was worked out for such overseas students.
- Several meeting of the Core Committee, Academic Council and Boards of Studies were held, with fruitful results, to continue the ongoing process of curriculum restructuring and examination reforms.
- Quite a few orientation and faculty enrichment workshops and seminars were held to enhance the knowledge and quality of teachers.
- Separate offices to B.Com HoD's and shifting of the B.Com (Eve) office were completed.
- A guest house in the Salt Lake land is near completion.
- Various committees were constituted as per the UGC guidelines and regular meetings were held to take important decisions for constant monitoring and enhancement of quality.
- A roof top canteen extending facilities to the faculty and students of the fourth floor for lunch was inaugurated on January 5, 2011.
- The various laboratories were upgraded to keep up with the modern trends and improving technology.
- The process of decentralization of authority and empowerment has already been initiated. The HODs were empowered to take academic decisions at various operational and tactical levels.

**43. Any other relevant information the institution wishes to add.**

The institution intense to go for re-accreditation. This has been slightly delayed because of the 150 years celebration of the institution (2009-10). The SSR and other reports are in the final stages of preparation. It will be submitted to the NAAC by August 2011 so that the entire process of re-accreditation is completed by December 2011.

**Section C: Outcomes achieved by the end of the year (attach separate sheet if required).**

The outcomes achieved by the end of the year are briefly summarized below :

- Innovations in curricular design, curricular re-structuring and transition. BOS of all departments have thoroughly revised and updated the syllabus from the experiences gained during the last three years of autonomy.
- Introduction of examination reforms to update the system of evaluation and expediate the process of publication of results.
- Enhancement of infrastructural facilities and expansion of space in the Jubilee building
- Opening of one PG and UG department.
- The central computer facility with four separate computer lab to accommodate about 230 students with individual computers having internet connection was inaugurated on 24<sup>th</sup> September 2010.
- The Language Laboratory with a capacity of 35 seats became operational
- Four research projects with an outlay 15.63 lakhs have been completed. 21 Research Projects are continuing with an outlay of 1.64 Crores.
- The faculty members have published 21 books, presented 46 papers in various symposium seminar outside the college.
- The faculties have published 73 Research Papers in refereed journals and 48 of them attended symposium conferences outside the college.
- Various departments organized 10 symposium / workshops published 10 departmental magazines and 5 society magazines.
- 9 faculty members are guiding 13 research scholars for their PhD's in various universities.
- 4 industrial visits, five educational tours and 4 foreign exchange programme were conducted.
- Various societies activities/community services and camps by NSS / Sports activity by Sports Department and NCC activities continued throughout the year.
- Facility of e-journal forum J-Stor, e-journal nature, purchase of 5897 new books worth 21.5 lakhs and 26 new journals and magazine worth 0.68 lakhs were added to the library services.
- The placement cell arranged for the placement 224 students in 34 leading companies.
- The College canteen renovated with increase in capacity and separate enclosure for the staff. A roof top canteen for lunch, for the faculty and students became operational from January 2011 for catering to the fourth floor.
- The process of decentralization of authority and empowerment has already been initiated. The HODs were empowered to take academic decisions at various operational and tactical levels.
- Increase in infrastructure facilities, technology upgradation and upgradation of various laboratories continued.
- The COE office was shifted to a new location with more space and better confidentiality.
- The Treasurer's office was renovated and separate office for B.Com (Evening) and separate cubicle of B.Com HoD's were provided.
- 23 faculty members of various department attended refresher/orientation courses conducted by the academic staff college of various universities throughout the year. Necessary orientation courses were held for the faculty and non teaching staff.
- Students of the institution have performed extremely well in different all India entrance test for PG studies. This has brought strong credibility to St Xaviers College Kolkata as an outstanding autonomous college of the country.

**Section D: Plans of the HEI for the next year**Plans of the St. Xavier's College for the academic year 2011-12.

Apart from trying to continuously improve curriculum design, teaching learning, better infrastructure and amenities the other major plans of the institution are as follows:

- Completing the NAAC re-accreditation by December 2011.
- The construction of two new hostels building in the AJC Bose Road property, one for girls (150 girls) and one for boys (300 boys) have been permitted by the Kolkata Municipal Corporation. Funds for the above project are to be raised. The construction work will commence from September 2011.
- The EM By-Pass property is being developed. The construction of the EMMRC building which has already started is to be completed by 2013.
- A few new specializations in PG studies will start.
- From the grants likely to be receive from FIST, in collaboration with IUCAA the observatory is to be developed.
- An exclusive office for NAAC and IQAC which will be serving as a documentation centre is to be initiated.
- Enhancement in the security system of the campus by installing CC TV's at vantage point is to be completed by August 2011.
- Introducing Bengali Honours course as a mark of tribute to Kabiguru Rabindranath Tagore on his 150<sup>th</sup> birth anniversary to commence from July 2013.

Rev. Dr. J. Felix Raj, S.J.  
Principal

Prof. Dipankar Sengupta  
Coordinator, IQAC

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