

ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF IQAC

Name of the Institution: St. Xavier's College, Ranchi

Year of Report : 2010-11

Part A. What is the plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and what is the outcome by the end of the year?

Action Plan

- i. **Academic Improvement**
 - Redesigning Curriculum.
 - Applying to UGC for the extension of Autonomy
- ii. **Evaluation Reforms**
- iii. **Faculty Improvement**
 - Emphasis on Faculty Improvement Programme through facilitating participation in and conduct of seminars/symposia etc.
- iv. **Technological Reforms**
 - Introduction and implementation of Modern Teaching aids
- v. **Library Improvement**
- vi. **Research Facilities**
 - Inculcating and facilitating research temperament among the teachers and students.
 - Developing a Central Research Facility
- vii. **Alumni Association**
 - Efforts to strengthen ties between the passed out students and the *alma-mater*.
- viii. **Infrastructural Development**
 - Construction of additional class rooms
 - Office Automation
 - Extension of Canteen and Toilet Facilities
 - Improving upon Facilities existing in the classrooms
- ix. **Outreach programs**

- Encouragement to join NSS.
- x. **Students Welfare and Facilities**
- To institute new prizes/awards
 - To provide opportunities for on-job training and develop entrepreneurship among the students
 - To develop Leader Like Qualities(LLQ) in the students
- xi. **Skill improvement programmes for Non-Teaching Staff**
- Training of office staff to acclimatize with the new system.

Outcome:

- We have partially developed third floor to bring up new classrooms and other facilities.
- Improved canteen facilities and toilet facilities on the third floor and in the new academic block
- Reconstruction of Counseling and Placement Cell, IAS Study Circle, Co-curricular Activity Cell
- Student Welfare/Assistance Scheme started.
- We are regularly replacing old furniture of the classrooms, offices and the Departments with new ones.
- Procured a number of high quality research equipments to be housed in the central research laboratory
- For better internet connectivity lease line from BSNL was procured and made operational
- Firewall was installed for better network security, bandwidth management and policy making
- Filling up of Admission forms and selection lists are made available online
- First convocation ceremony was organised on 25th of July, 2010.

Part B

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

Activities

- To achieve higher standards and creativity, modern tools of educational technology are being used regularly.
- Through Fests and Annual Day celebrations the college provided opportunities to the teachers and students to showcase their creative talent specially with reference to performing art of this region.
- Measures aimed at academic development of the members of faculty and facilitating research activities are taken.
- Arranging remedial classes/tutorials for academically weak students.

- Organizing workshops, Seminars, Industrial visits, Guest Lectures and Industry-Academia Association development programmes.
- Assistance towards attending and presenting/contributing papers in national and international level seminars/conferences/workshops.
- Student-Teacher-Parent interaction towards promoting and assisting in Industrial visits, Summer/On-Job Training and Job placements
- Preparing and printing Question bank for the benefit of the students
- Promotion towards participation in on-campus and off-campus co-curricular and extra-curricular activities both at state and National level
- Encouragement to join NCC and participate in the activities organized by NSS.
- Promotion of national integration through different academic programs and social Activities
- Holding annual evaluation meetings to further improve upon existing systems.
- Financial assistance to the students for project work.

A. TEACHER'S PARTICIPATION IN INTERNATIONAL SEMINARS/ WORKSHOPS/ CONFERENCES/ SYMPOSIA:

- i. **Dr. Raman Kumar Das**, Department of Mathematics, participated in ICM – 2010, International Congress of Mathematicians, held at Hyderabad, India during 19th to 27th August 2010.
- ii. **Shri Deokant**, Dept. of Biotechnology
 - a. participated in International Conference on Energy, Environment and Development (ICEED) 2010, organized by Department of Environment Studies (Autonomous), Sambalpur University, Orissa from December 10-12, 2010.
 - b. Attended an international workshop on “*rRNA sequencing, phylogeny & next generation genome sequencing*” organized by Birla Institute of Technology, Mesra, Ranchi, Jharkhand from 14th – 17th December, 2010.
- iii. **Shri. Shiv Shankar Prasad**, Dept. of Biotechnology, participated in International Conference on ‘**International Symposium on recent advance in cross-disciplinary microbiology: Avenues and challenges**’ held at Birla Institute of Technology, Ranchi from December 14th to 17th, 2010. Paper presented by him was titled “*An approach for enhance production of biosurfactant*”
- iv. **Mrs Nusrat Ahmad**, Dept of Physics, got her paper titled “*Synthesis and Characterization on Magnetic Manorods*” accepted for poster presentation in the International Seminar held at BHU from 6th to 9th December, 2010. The paper was presented by a student of Physics Hons. Rahul Deogharia.
- v. **Dr. Shiv Kumar**, Dept. of Geography participated in International Seminar on Technology, Energy and Sustainable Rural Environment from February 23 – 25, 2011 at Banaras Hindu University, Varanasi and presented paper on ‘Network of Peripheral Rural Market in Ranchi City’.

B. TEACHERS PARTICIPATION IN NATIONAL SEMINARS/ WORKSHOPS/ CONFERENCES/ SYMPOSIA:

- i. **Dr. Kamal Kr. Bose**, Dept. of Hindi participated in :
Training Programme on Disaster Management held at ATI from 29th November to 3rd December 2010.

- ii. **Dr. Ravi Shankar Sahay**, Dept. of History, participated in National Seminar organized by Central University of Jharkhand in November 2010.
- iii. **Dr. Shiv Kumar**, Department of Geography
 - (a) Attended 3 month Training Programme on “**Remote Sensing & BIS – Technology & Applications**” at National Remote Sensing Centre (NRSC), ISRO, Department of Space, Govt. of India, Hyderabad from 31st May – 20th August 2010 and obtained a First Class.
 - (b) Attended a Training Programme on “Basic Disaster Management Course” sponsored by the Department of Personnel and Training (DoPT) and National Institute of Disaster Management (NIDM), Government of India, New Delhi from 29th November 2010 – 3rd December 2010 at Sri Krishna Institute of Public Administration (SKIPA), Ranchi.
- iv. **Dr. Sandeep Kumar**, Dept. of Commerce, participated
 - (i) in 63rd All India Commerce Conference at Goa University, Goa, 1st – 3rd October 2010.
 - (ii) in XV National Seminar on Managing Innovations for Sustained Excellence organized by Shri Ram Murti Smarak College of Engineering & Technology, Bareilly, 13th – 14th November 2010.
- v. **Shri. Shiv Shankar Prasad**, Dept. of Biotechnology, participated in National Conference on “Biotechnology and Environment” held at National Institute of Technology, Durgapur from October 4-5, 2010. Title of his paper was “**Role of Biosurfactant in Polycyclic Aromatic Hydrocarbon (PAH) degradation**”
- vi. **Dr. Marcus Barla**, Dept of Economics has participated and presented Paper in the 52nd Annual Conference of the Indian Society of Labour Economics (ISLE), Organised by the Department of Economics, Karnataka University, Dharwad during December 17 – 19, 2010.
- vii. **Dr. Jayant Sinha**, Dept of Geology,
 - a. attended a Training Programme on “**Basic Disaster Management Course**” sponsored by the Department of Personnel and Training (DoPT) and National Institute of Disaster Management (NIDM), Government of India, New Delhi from 29th November 2010 – 3rd December 2010 at Sri Krishna Institute of Public Administration (SKIPA), Ranchi.
- viii. **Dr. Ravi Shankar Sahay**, Dept. Of History attended National workshop on **Recent Trends in Cultural Studies** on 22nd and 23rd November, 2010 at Central University of Jharkhand, Brambe, Ranchi. He presented a paper titled “**Ecology, Technology and Indigenous Culture of Jharkhand**”
- ix. **Dr. Ajay Srivastava**, Department of Botany participated in National Seminar on ‘Global Warming & Environmental Conservation’ at Marwari College on February 28 and March 1, 2011.
- x. **Dr. Madhulika Singh**, Department of Botany participated in National Seminar on ‘Global Warming & Environmental Conservation’ at Marwari College on February 28 and March 1, 2011.

- xi. **Dr. Bharti S. Raipat**, Department of Zoology participated in National Seminar on ‘Global Warming & Environmental Conservation’ at Marwari College on February 28 and March 1, 2011.
- xii. Dr. Ravi S. Sahay, Dept. of History participated in Seventy First Session of the Indian History Congress at Gaur Banga University Malda, from February 11-13, 2011 and presented paper on ‘Tribal Agrarian System of Jharkhand.

C. PUBLICATION OF BOOKS/ CHAPTERS:

- i. **Dr. Sanjay Kumar Ghosh**, Dept. Of Commerce published a book titled ‘**A Study of automobile industry in India**’. ISBN 978-93-80190-59-4
- ii. **Dr. Sanjay Kumar Ghosh and Shri. Lalit Sharma**, Dept. of Commerce have co-authored the book ‘**Multiple Choice Questions in Commerce**’. ISBN 978-81-904110-6-6
- iii. **Dr. Achal Sinha**, Dept. of English published a book titled – ***Ruskin Bond :Trends and Motifs*** ; ISBN 978-93-80190-27-3, Satyam Publishing House, New Delhi 2010

D. PUBLICATION OF PAPERS/ARTICLES IN INTERNATIONAL/ NATIONAL JOURNALS/NEWS PAPERS:

- i. **Dr. Achal sinha** -*Diasporic Consciousness: Literatures From the Postcolonial World* – ISBN 978- 3-639-30203-5 Ed. Smriti Singh & Achal Sinha ; VDM Verlag, Saarbrucken, Germany 2010
- ii. **Dr. Ashutosh Roy** - A Comparative Study of Nayantara Sehgal’s Storm in Chandigarh & Shashi Deshpande’s That Long Silence ; *Anusandhanika* (Research Journal) ISSN 6974-2010
- iii. **Dr. R. N. Sinha** -Acharya Hazariprasad Dwivedi’s Appreciation of Tulsi. Shriprakash Shukla. Hindi. Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Vardha. Vol. 4 number 8, October December 2010.
- iv. **Venkat Appa Rao. N. 2010**. Ultra structure of the Corpuscles of Stannius of an air breathing catfish *Clarias batrachus* (Linn.). **Proc. Nat. Acad. Sci. India. Sect. B Vol. 80 Pt. III** : 230-234.
- v. **Dr. Bharti Singh Raipat** has published following papers in International journals
 - a. “**Assessment of Impact of Parthenium hysterophorus on Eisenia foetida through vermicomposting**” in The Bioscan 5(1) 149-152, 2010.
 - b. “**Effect of methanolic extract of Parthenium hysterophorus on haematological paramaters in wistar albino rat**” in The Bioscan Special Issue, Vol-2 , 357-363, 2010.

- c. *“Effect of organophosphorus insecticide on soil bacteria”* in The Bioscan, Special Issue, Vol-1, 239-246, 2010.
 - d. *“Identification and characterization of dominant bacteria in coal fly ash amended soil”* in The Bioscan Special Issue, Vol-1: 105-114, 2010.
 - e. *“Ecobiological and bioinformatic study of soil bacterium from agro eco system”* in The Bioscan Special Issue, Vol-1: 95-104, 2010.
 - f. *“Assessment of Impact of Parthenium hysterophorus on soil bacterial population”* in The Bioscan Special Issue, Vol-1: 79-88, 2010.
- vi. **Dr. Shiv Kumar**, Dept. of Geography published following papers–
- a. *“Jharkhand – Greenery Under Threat”* in Jharkhand journal of development and management studies, XISS, Ranchi, Vol. 8, No. 1 (XXX), March 2010, pp 3753-3760
 - b. *“Tourist Arrival Trend in Jharkhand (India)”* in *Research journal of social and life sciences*, Vol. 9, Dec 2010, pp130-135
- vii. **Shri Sanjay Kumar and Shri B. K. Sinha** published an article *βgesa fgalk ugha fodkl pkfg, P]* in Prabhat Khabar, Ranchi on 6th September, 2010
- viii. **Dr. S. N. Tiwary**, Dept. of Physics published a paper titled *“Effect of Variation of moisture content of Hariajam Coal on its electrical resistivity”* in the Journal of Metallurgy and Material Sciences; Vol. 52, No. 3, pp: 247-255, July-September 2010.
- ix. **Dr. Rajiv R. Shrivastava**, Dept. of Geography published papers on
- i. *“Natural Disaster Management & Modern Geo Techniques”* in Global Education Society and Development, New Delhi, Vol. 2, No.1, Apr-June 2010.
 - ii. *Water Harvesting in India, Third Concept, December 2010, pp 34-37.*
- x. Dr. Bharti S. Raipat, Dept. of Zoology published an abstract on
- ‘Isolation, Identification and Characterization of Tolerant Bacteria from Parthenium Hysterophorus (L.) Amended Soil, in National Conference on Global Warming and Environmental Conservation, Feb 28 – March 1, 2011.
 - ‘Assessment of impact of parthenium Hysterophorus L. on eisenia through vermicomposting in National Conference on Global Warming and Environmental Conservation, Feb 28 – March 1, 2011

E. TEACHERS AS RESOURCE PERSON:

- i. **Dr. Kamal Kr. Bose**, Dept. of Hindi was resource person in:
 - Hindi Workshop – Staff Training College, CMPDIT – 12th December 2010
 - Orientation Programme UGC– Academic Staff College, Ranchi 11th July 2010
 - Hindi Workshop – Kshetriya Resham Utpadav Anusandhan Kendra, Hehal on fgUnh ds izxkeh iz;ksx– 29th September 2010
 - Hindi Diwas – Punjab National Bank – 18th September 2010

- ii. **Mrs. Seema Khalkho**, Dept. of Functional English delivered a lecture as a resource person on “**Teaching Grammar and Vocabulary**” in a Refresher Course for High School Teachers of Jharkhand held at ELTI DIET Campus Ratu, Jharkhand

F. RESEARCH SUPERVISION:

- a. **Dr. M. B. N. Mishra** of Department of Sanskrit successfully supervised research work of
 - i. Bharti Kumari Mahto leading to Ph. D. on the topic “ukjh l'kfDrdj.k ds ifjis{k esa egkHkkjr dk v/;;u” from Ranchi University.
 - ii. Amlesh Kumar Mishra leading to Ph. D. on the topic “laLd`r okM~%e; esa xqlrkpkj O;oLFkk&,d v/;;u ¼okYehfd] O;k] ek?k vkSj HkV~V ds lanHkZ esa½” from Ranchi University.
- b. **Dr. Ashutosh Roy**, Dept. of English successfully supervised research work of Ms. Shruti Sinha leading to Ph. D. from Ranchi University.

G. PARTICIPATION IN REFRESHER/ORIENTATION COURSE:

- i. **Mr. Deokant Sharma** participated in **Refresher Course** in Life Science organized by UGC-Academic Staff College, Ranchi University, Ranchi from 6th -26th August 2010 and got ‘A’ grade.
- ii. **Dr. N. Venkat Appa Rao** participated in **Refresher Course** in Life Science organized by UGC-Academic Staff College, Ranchi University, Ranchi from 6th -26th August 2010 and got ‘A’ grade.
- iii. **Mr. Ritesh Kumar Shukla** participated in **Refresher Course** in Life Science organized by UGC-Academic Staff College, Ranchi University, Ranchi from 6th -26th August 2010 and got ‘A’ grade.
- iv. **Ms. Sanyukta Kumar** participated in UGC- sponsored 61st **Orientation Programme** in UGC-Academic Staff College, Ranchi University, Ranchi.
- v. **Mr Sumit Kumar Roy** , Dept. of Physics, participated in **Orientation Programme** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from July 5 – August 01, 2010.
- vi. **Mr Sushil Kr Pandey**, Dept. of Chemistry, participated in **Orientation Programme** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from July 5 – August 01, 2010.
- vii. **Mr. Dhirajmani Pathak**, Dept. of Economics, participated in **Orientation Programme** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from July 5 – August 01, 2010.

- viii. **Mr. Lalit Sharma**, Dept. of Commerce, participated in **Orientation Programme** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from July 5 – August 01, 2010.
- ix. **Mr. Shiv Shankar Prasad**, Dept. of Biotechnology, participated in **Orientation Programme** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 10.01.2011 to 06.02.2011.
- x. **Dr. Madhulika Singh**, Dept. of Botany, participated in **Refresher Course** sponsored by UGC in Academic Staff College, Jawaharlal Nehru University, New Delhi from 3.1.2011 to 28.1.2011.
- xi. **Mrs. Prgyan Pushpanjali**, Dept. of BBA, participated in **Refresher Course** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 5.1.2011 to 25.1.2011.
- xii. **Dr. Marcus Barla**, Dept. of Economics, participated in **Refresher Course** sponsored by UGC in Academic Staff College, Jawaharlal Nehru University, New Delhi from 28.2.2011 to 25.3.2011
- xiii. **Dr. Shreeman N. Tiwary**, Dept. of Physics participated in **Refresher Course** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 17.2.2011 to 9.3.2011.
- xiv. **Mrs. Nusrat Ahmad**, Dept. of Physics participated in **Refresher Course** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 17.2.2011 to 9.3.2011.
- xv. **Mr. Swarat Chaudhuri**, Dept. of Physics participated in **Refresher Course** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 17.2.2011 to 9.3.2011.
- xvi. **Dr. Shiv Kumar**, Dept. of Geography participated in **Orientation Programme** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 10.1.2011 to 6.2.2011
- xvii. **Dr. Ajay Kr. Srivastava**, Dept. of Botany participated in **Refresher Course** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 4.4.2011 to 29.4.2011
- xviii. **Mr. Sudhir Kr. Mishra**, Dept. of Mathematics, participated in **Orientation Programme** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 3.5.2011 to 30.5.2011
- xix. **Mrs. Nilima Jyotsna Toppo**, Dept. of Education., participated in **Orientation Programme** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 3.5.2011 to 30.5.2011
- xx. **Mrs. Anupama Bhargava**, Dept. of Education., participated in **Orientation Programme** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 3.5.2011 to 30.5.2011
- xxi. **Dr. Bharti S. Raipat**, Dept. of Zoology Participated in **Refresher Course** sponsored by UGC Academic Staff College, Ranchi University, Ranchi from 10.5.2011 to 30.5.2011
- xxii. **Mr. Dhiraj M. Pathak**, Dept. of Economics, participated in **Refresher Course** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 10.6.2011 to 30.6.2011.

- xxiii. **Dr. Achal Sinha** , Dept. of English, participated in **Refresher Course** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 9.6.2011 to 29.6.2011
- xxiv. **Mr. Vinay Kr. Pandey** , Dept. of Economics, participated in **Refresher Course** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 10.6.2011 to 30.6.2011.
- xxv. **Mr. Lalit Sharma** , Dept. of Commerce, participated in **Refresher Course** sponsored by UGC in Academic Staff College, Ranchi University, Ranchi from 10.6.2011 to 30.6.2011.

H. **TEACHERS AWARDED**

- i. Dr. Sandeep Kumar, Dept. of Commerce was awarded with Certificate of Appreciation for being a presenter at the ASEAN Conference on Scientific and Social Science Research (ACSSSR 2011), Gurney Hotel, Penang June 22-23, 2011.
- ii. Dr. Kamal Kr. Bose, Dept. of Hindi was awarded with Sahitya Sadhna 2009-10 by Bihar Rashtriya Parishad

2. **New academic programmes initiated (UG & PG):** None

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

After the college became autonomous, all the departments of the college re-designed the curriculum with two primary objectives

- i. to make the curriculum more learner centered and
- ii. To incorporate new developments in the subject. Seminars, project work and similar learners activities were introduced as pedagogical tools.

This year syllabi for following subjects were redesigned:

- i) Physics iv) Functional English
- ii) Zoology v) B.B.A.
- iii) Political Science vi) M.A. English

4. **Inter-disciplinary programs started:** None

5. **Examination reforms implemented:**

- i. A registered candidate has to clear all the papers within the period of five years. However, an extension for two years is granted after renewal of the registration.
- ii. A student having less than 60% of attendance shall not be promoted to next higher semester irrespective of the number of carry papers he/she has.

6. **Number of candidates qualified: NET/SLET: Six**

- i. **Mr. Rajesh Kumar** from Dept. of Physics
- ii. **Mr. Anirban Gupta** from Dept. of Commerce
- iii. **Mr Jitendra Kumar** from Dept. of Geography
- iv. **Ms Shivangi** from Dept. of Geography
- v. **Mr. Ashutosh Pandey** from Dept. of Political Science
- vi. **Mr. Navin Kumar** from Dept. of Hindi

7. **Total number of seminars/workshops conducted: 1**

i. Department of Mass Communication & Video Production organized

- a. Two day workshop in collaboration with American Centre, Kolkata. Mr. Douglas G. Kelly, Director, American Centre spoke on 'News Media Today: Rights and Responsibility' and 'Working with Media: A Diplomat's Take'. Mr. Snehashis Sur, SR. T.V. News Correspondent, DD News, Kolkata spoke on 'Internet Journalism, Narrative Journalism and Conflict Reporting'.

8. **Research projects**

a) Newly implemented

- i. Mr Deokant Sharma has been granted a **UGC Minor Research Project** titled "*Carcinogenic impacts on blood: molecular & immunological*" in year 2010.
- ii. Mr Ritesh Kumar Shukla is doing a **UGC Minor Research Project** titled "**Immunocytochemical localization of Gastrin producing cells in the gut of a hill stream teleost *Lepidocephalus guntea***"

b) Completed

- i. **Dr. Ravi Shankar Sahay, Dept. of History**, completed Major Research Project on '*A Study of Revitalization of a Tribe in Jharkhand 1870-1947*'.
- ii. **Dr. Kamal Kr. Bose, Department of Hindi**, completed Minor Research Project on '>kj[k.M esa fgUnh rFkk vU; Hkk"kkvksa dk ukV~; lkfgR;:
- iii. **Dr. Marcus Barla, Department of Economics**, has completed the field visit, data collection and presently busy with report writing of his Minor Research Project, Title – Grain Bank Scheme : A Panacea for Livelihood and Food Insecurity.

9. **Patents generated, if any**

None

10. **New collaborative research programmes:**

None

11. Total research grants received from various agencies

Rs.2,77,750.00 from UGC

12. Number of research scholars: 11

- i. Ms. Shazia Iqbal, Ranchi University , Supervisor- Dr. Achal Sinha
- ii. Ms. Nilambara Banerjee Ranchi University, Supervisor- Dr.(Mrs.) Sumana Ghosh
- iii. Mr. Thomas Ddungund, Ranchi University, Supervisor- Dr. Victor Tigga
- iv. Fr. Walter Ekka s.j. , Ranchi University, Supervisor- Dr. Lily Kawa Tigga
- v. Fr. Ephrem Baa s.j., Ranchi University, Supervisor- Dr. Franklin Baxla
- vi. Mr Swarat Chaudhuri, Ranchi University, Supervisor- Dr. S. N. Singh
- vii. Ms Nusrat Ahmad, Ranchi University, Supervisor- Dr. S. N. Singh
- viii. Ms Sumita Roy, Ranchi University, Supervisor- Dr. S.B. Say
- ix. Fr. P. K. Soreng s.j., Ranchi University, Supervisor- Dr. A. K. Shrivastava
- x. Ms Sanyukta Kumar, Ranchi University, Supervisor- Dr. A. K. Shrivastava
- xi. Mr. Ritesh Kr. Shukla, Ranchi University, Supervisor Dr. N. Venkat Appa Rao

13. Citation index of faculty members and impact factor:

Not available.

14. Honours/Awards to the faculty:

- i. **Mr. Manohar Lal** :was selected as one of the 5 scientists in **Institute of Forest productivity (Govt. of India)**. He was one of the members of the committee to enforce a policy for Hazardous Waste Management in various laboratories.
- ii. **Dr. Kamal Kumar Bose**, H.O.D. Dept. of Hindi was awarded with ‘**Satya Sadhna 2009-10**’ by Bihar Rastriya Parishad
- iii. **Dr. S. N. Tiwary**, Dept. of Physics has been accepted as Life-Member of “Swadeshi Science Movement of India, Delhi”. (SSM’D-590) on November, 2010.

15. Internal resources generated:

We generate internal resources under following heads:

- i. Certificate/ Add on Courses
- ii. Self-financing Courses
 - a. Biotechnology
 - b. BBA
 - c. Mass Communication & Video Production
 - d. Course in Human Rights

- iii. Sponsorships for Annual Function, College Magazine, Departmental Magazine
- iv. Venue for external examinations
- v. Interest from deposits
- vi. Project grants
- vii. Selling forms

16. Details of departments getting SAP, COSIST/DST. FIST, etc. assistance/recognition

None

17. Community services:

- i. Students of B Sc. Zoology (Hons) part III 2008- 2011 of ECO TASK FORCE went on plantation drive and planted saplings of Gulmohar and Jacarinda in “Hinoo” area on 14th. Aug, 2010 under the guidance of **Dr. Bharti Singh Raipat and Dr. Priya Srivastava.**
- ii. Students of BSc. Zoology (Hons) part III 2008- 2011 of ECO TASK FORCE went on plantation drive and planted saplings in industrial area ”Tupudana” on 21st. Aug, 2010 under the guidance of **Dr. Bharti Singh Raipat .**
- iii. Students participated in the AIDS awarness rally on 1.12. 2010 organized by NSS
- iv. 32 NCC cadets participated in Pulse Polio Campaign Duty.
- v. 5 NCC cadets participated in TAC camp & 30 cadets participated in CAT camp.
- vi. One day seminar was organized by NSS volunteers on “mxzokn dh tM+ feVk dj mxzokn dk [kkRek IEHko gS ”
- vii. **Dr A.K. Srivastava** led Botany and other students on plantation drives in August 2nd and 14th to Rock Garden and Sapphire International School.
- viii. A talk was delivered on 6/10/10 by an eminent gynecologist Dr.Simmi Mahesh who is associated with NGO that organizes health camps in rural areas.The topic of the talk was “**Common healt Problems in Teenage Girls; Prevention, Diagnosis and care**”. Around 120 girls and the lady teachers attended the meeting.

18. Number of teachers and officers newly recruited:

Teaching Staff

- i. Shri Mitesh Chakraborty Dept. Of Physics
- ii. Shri Kamaldeep Dept. Of Computers
- iii. Ms Saumya Manay Sinha Dept. Of Political Science
- iv. Shri Rajesh Kumar (Temporary) Dept. of Physics

Non-Teaching Staff

Shri Ashish Anand(Temporary) Dept. of Physics

Shri Jaikishan Pradhan(Temporary) Dept. of Physics

19. **Teaching – Non Teaching staff ratio:** 1:1

20. **Improvement in the library services:**

New Books and Journals have been added.

Self-developed software is being used by the Dept. of Physics

21. **Number of new books/journals subscribed and their value:**

	No. of New Books	Total Cost
Text books and other books	4005	Rs. 21,66,891
3. Journals	20	

22. **Number of courses for which student assessment of teachers is introduced and the action taken on student feedback:**

Internal Assessment of teachers by students is done every year for all the department.

23. **Unit cost of education :** Rs.13,526.26

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

Administrative work is fully computerized. Networking is already done. Admission and Examination results are computerized. Computerization of Library is in the final stage.

We are providing forms to be filled up online.

25. **Increase in the infrastructural facilities**

The infrastructure and learning resources have been upgraded, with qualitative improvement in facilities provided to the students and quantitative increase in resources already available.

New Equipments purchased/ordered under UGC Sponsored BSR Scheme for the Central Research Facility:

- i. P-E Loop Tracer
- ii. Four Probe LCR Meter
- iii. Planetary Ball Mill
- iv. Palletizer
- v. Muffle Furnace (1400 °C)

We are setting up a Central Research Facility in which all costly apparatus shall be installed that can be used by teachers of all the departments. This provides great advantage to staff members busy with research. Even students are being associated with the research. Some have published papers.

26. Technology up gradation:

We are in the process of continuously upgrading the existing facilities and procuring new technological gadgets for the benefit of students, teachers and office staff.

27. Computer and internet access and training to teachers and students:

All the departments are facilitated with desktops/laptops and Internet connection for the smooth functioning of the department.

28. Financial aid to students:

Free ship is extended to BPL/SC/ST students (Under Merged Scheme).

The students who gets 100% attendance is allowed to subscribe a Journal of his/her choice for a year.

Under UGC sponsored BSR Scheme we are going to provide financial assistance of Rs.5000.00 to students of Science Faculty for innovative project work.

29. Activities and support from Alumni Association

Annual eye checkup camp and general health checkup camp was held in the College Hall in collaboration with Bihar Eye Bank Trust. Nearly 400 Students, Staff and AROX members were treated in this camp.

Plantation drive was organized at Police Headquarters in Pithoria and in the College Campus.College students and AROX members were involved in this drive.

An AROX member, Dr. Avinash Gupta, leading Cardiologist in USA, has instituted scholarship to one girl and one boy of the college every year directly through the Principal of the college.

Elder brother of Mr. Rabindra Verma, Sr. Security Commissioner, ECR , an AROX member has donated \$ 5000 as seed money to institute an award in the college.

AROX actively participated in Sports Day of the college and gave prizes to the athlete best in their field.

Annual Conference on last Saturday of the year is held every year.

30.Activities and support from the Parent – Teacher Association

There is no Parent-Teacher Association in the college. Involvement from the parents is sought for Placements/summer camps/Industrial visits etc.

31. Health services :

One doctor visits the college clinic to provide medical service to students and teachers. One Compounder is there to assist the doctor.

32. Performance in sports activities

KABBADI: Kabaddi tournament was organized by Marwari College, Ranchi on September 28, 2010. St. Xavier's College, Ranchi played final match against Ranchi College, Ranchi. St. Xavier's College got Runner up position.

Selection for Badminton and Basket Ball Team of Ranchi University:

BADMINTON – The R.U. Badminton selection trial was organized by the College on 5th September 2010. The following students were selected for the R.U. Badminton team.

BOYS: Sumit Mandal, Abhinav Anand & Samuel Paul Guria

GIRLS: Sriti Sarda & Priyanka Mishra

BASKET BALL – The R.U. Basket ball Selection trial was organized by the College, on 31st August 2010. The following students from the College were selected for the R.U. Basket ball (Boys) team.

Ajit Tigga, Sandeep Mundri, Ephrem Minj, Sandeep Bando, Punit Ignatius Kullu, Akshay Rakshit, Rakesh Kumar Singh, Ravindra Ekka and Alok Tirkey

A student of the college represented state in Rifle Shooting in 2010.

33. Incentives to outstanding sportspersons :

Leave is granted to sportspersons while practicing and playing matches for the college. Winners are honoured with cash incentives and medals during the College Day celebrations. Those students whose performance is exceptionally good are granted free-ship. In Sports Quota for Admission priority is given to the outstanding sports persons.

34. Students achievements and awards

Many Prizes and medals are given to students for outstanding performance in academics.

Conferences and Symposia attended by the students:

Shambhabi Chatterjee, Kanak Lata, Summi Dutta, Tirthankar Sinha, Shradha Ojha, Soma Bose, Siyon Bage, Soni Verma, Sneha Priti Tudu, Rekha Kumari, D. S. Ankita, Priyanka Verma, Pallavi, Kunal Ranjan, Kumari Anuja, Swati Sandhya, Ishani Bose, Anupriya Chatterjee and Afsana Praveen students of B.Sc. Biotechnology (H) semester-VI (2008-11) have participated in the

National Conference on “Biotechnology & National Development: Achievements & Challenges” organized by Central University of Jharkhand, Ranchi.

Bipin Raj Shekhar, Nishant, Abhishek Kumar Singh, Shereen M. Thomas, Prakash Prasad, Dipankar Mazumdar, Reema Biswas and Shalini Jha students of B.Sc. Biotechnology (H) semester-IV (2009-12) have participated in the National Conference on “An Interdisciplinary Pursuit in Biotechnology” organized by Jamshedpur Women’s College, Jamshedpur.

Awards and Fellowships:

Sudhir Kumar Mandal has been selected in the Project representation program organized by TIISCO, Jamshedpur under consideration of NTSC and awarded a scholarship of Rs. 75000/- for higher studies.

Somesh Chandra Prakash and Abhirup Chowdhury got second prize in JHAR-QUIZ organized at St. Xavier’s College, Ranchi in 2010.

Tirthankar Sinha got third prize in creative writing (English) competition organized during Ranchi University Inter-College Youth Festival in 2010.

77 cadets passed ‘B’ certificate examination held in 2010.

24 cadets passed ‘C’ certificate examination held in 2010.

Padmakar Anand was selected as Sub Lt. Executive Officer in Indian Navy.

Every year a substantial number of our students qualify for professional courses.

35. Activities of the Guidance and Counselling unit

There is a counseling cell providing career counseling. Individual departments have their own guidance and counseling units to help the students.

36.Placement services provided to students:

In the year 2010 , 63 students of our college were selected in various companies under guidance of Prof. Swarat Chaudhur (Placement In-charge):

Name of the Company	No. of students selected
STERILITE	16
RELIANCE	8
IBM DAKHS	23
WIPRO BPO	16

37. Development program for non-teaching staff :

We try to provide basic computer training to office staff so that they may acclimatize to the new working condition as and when needed.

38. Any other relevant information the institution wishes to add:

The College has IAS Study Circle. In this study circle coaching classes on Public Administration are given.

To develop close emotional ties between the passed out students and the college, we have started organizing Convocation Ceremony where apart from distributing Degrees to the students we collect data to upgrade our alumni database.

Dr. Fr. Nicholas Tete, S.J. Dept. of English(Principal), visited U.S.A. and Europe for possible Exchange Programme.

Part C: Explain the plans of the institution for the next year

Construction of Central Research Facility is in progress and will be fully functional by the end of July, 2011.

Application for the extension of autonomy for the second term.

Starting new PG courses in some of the departments of Arts Faculty and M.C.A. from July 2011.

Further strengthening of Laboratories/ Class rooms/ Departments to encourage and facilitate adaptation of more techno savvy methods of teaching and learning.

Name & Signature
Co-ordinator IQAC

Name & Signature
Chairperson IQAC