



ST. XAVIER'S COLLEGE (AUTONOMOUS)

Re-accredited with 'A' (CGPA 3.41 out of 4) by NAAC (3rd Cycle) | Affiliated to Gujarat University

ST. XAVIER'S COLLEGE (AUTONOMOUS)

ANNUAL INTERNAL EVALUATION

Academic Year: 2015-16

The internal evaluation carried out by the College observes the following progress made under the autonomous system during the Second Year of conferment of autonomous status/ AY 2015-16.

College continues to make progress in areas such as curriculum development, striving for academic excellence, faculty development, systematizing feedback mechanism, revamping administration, promoting research and upgrading infrastructure. By establishing all the statutory bodies and conducting regular meetings, the college has made substantial progress with the autonomous system. The highlights are as follows:

1.0. Academic Improvements

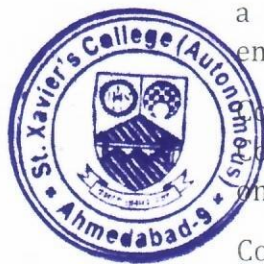
One of the noteworthy development of this academic year was the formation of the Department of Computer Sciences on account of XICA merging with SXCA with the approval of Gujarat University. Fr David Roy SJ was inducted to the Academic Council as representative of the Computer Sciences.

The following departments revised their syllabus and presented to the Academic Council for approval. Syllabus for the two new programmes (B.Com Business Process Services and M.Sc. Big Data Analytics) were approved by the Academic Council. Semester 5 and 6 of BSc Biotechnology, Semester 3 and 4 of Chemistry for BSc Biotechnology, Semester 5 and 6 of BSc Physics, Semester 5 and 6 of BSc Electronics, Semester 5 and 6 of Mathematics, and Semester 2,3 and 4 of MSc Biochemistry were revised/ approved by the Academic council. These are good move towards making syllabus globally competent and relevant.

With the creation of the Department of Computer Sciences, the Academic Council discussed the possibilities of initiating new courses/combinations such as Mathematics-Statistics-Computer Sciences, Economics- Mathematics, Computers-Commerce, Mass communication, etc. College also discussed the possibility of offering a TCS designed 'Commerce with Management' course which has greater employability.

College introduced BSc Biotechnology. It has been well received well by the public. College is planning to initiate MSc Mathematics from next academic year with a thrust on computer-based practicals.

College inducted 3 faculty for MSc, BSc BT (for Chemistry component).



College plans to constitute prizes in each department for the 10 toppers as well as establish merit scholarships.

There were several strategic administrative developments as well. Admission was online with online facility. This ensured that applicants can apply from anywhere. College also ensured assistance in online application from campus by setting up help centers. College has invested in an ERP and has adopted the administration mode currently. Hoping to migrate to manage other departments of the college in future through ERP system.

2.0. New Members inducted to committees

New members were inducted to various committees. Prof Arti Kumar, HoD, Dept of English St Xavier's College has been inducted to the Academic Council on account of the earlier HoD getting retired. Two new members incorporated into the Examination Committee, namely Dr Shuchita Mehta, HoD, Dept. of Sanskrit, St Xavier's College and Dr Pinky Desai, Associate Prof. of Economics, on account of retirement of two members, namely Dr Sarvar Cherrychand and Fr. Vincent Saldanha.

3.0. Examination Reforms

The Examination Committee met twice during this period and proposed several recommendations to the Governing Body. Several decisions were made which includes giving weightage of 40% to internal and 60% to external in MSc Biochemistry.

Weightage for MSc Biochemistry was changed to 40% internal and 60% external. In the case of Practical Exam: Continuous evaluation for 100 marks is implemented. MSc Biochemistry has a project work which is evaluated by both internal and external examiner.

The examinations pattern was also decided to be challenging and thought provoking. A soft copy of the Office Report is submitted to the Gujarat University as soon as the results are declared, for the purpose of granting degrees to students of St. Xavier's College.

St. Xavier's College voiced a concern about students getting equal opportunity in admission to various PG courses offered by Gujarat University, even though St. Xavier's College follows the same grading system and examination format as that of Gujarat University. However, the evaluation system is much stricter, and hence it is a little different from that of the University. University was duly informed about this concern.



As per the UGC guidelines for autonomous colleges, the term of a member in the BoS, AC and GB is only for two years. Gujarat University decided that the same members nominated as University representatives, would continue for one more term.

4.0. Research

College organized various sessions to motivate faculty to apply for Minor Research Proposals as well as for seminars funding. Three staff members received Minor Research Projects from UGC. A other faculty received a Major Research Project for Rs. 24 lakhs from ISRO. One of the staff member was part of the IVIRIS team of NASA to study pollution levels in Ahmedabad. College also received Rs 90 lakhs grant by DST.

A number of faculty and students has presented papers, posters, oral presentation at various state and national conferences and various science competitions. Many of our students are carrying out UG research under the guidance of our faculty as well as faculty of IPR as part of the MoU signed between these two institutes. There were a total of 62 publications in peer reviewed journal, 26 presentations and 3 chapters in books.

National Science Day was celebrated in the college with an invited talk by Dr Mukesh Ranjan. College also organised Green action week in collaboration with Swedish Society for Nature Conservation and CERC on 'Safer and more sustainable food for all'. College organised Staff Research Day and published the 13th issue of Research Annals of Xavier's Ahmedabad. College continue to nurture the UG and PG student research. This year the Research medal ceremony was held for 45 students from various departments where Hon. Commissioner of Higher Education, Mr AJ Shah, gave away the medals along with the director of IPR Dr Niraj Bora. College also constituted best research award to encourage faculty to plunge into research.



Department of Gujarati, Sanskrit, English, Mathematics and statistics organised UGC sponsored seminars. Inter College Quiz 2016 was organized by the department of Chemistry. The advance BSc Programme was organised by the Department of Physics in collaboration with PRL, IPR and CSC. The Astronomy Club organised planet viewing programmes. The Department of Computer Sciences, Gujarati, Economics,



English, Sanskrit, Biochemistry, Chemistry and Physics-Electronics organised popular lecture series. The Department of Biochemistry organised poster presentations on current topics.

IQAC organised a Seminar on 'Promoting Gender Understanding & Sensitivity' for Staff and submitted AQAR. A similar workshop was conducted for 60 students by IGSS. It also organised a workshop on 'Moving Towards a Happy Niche in Autonomy'. The Department of Mathematics organised two workshops in collaboration with Ahmedabad Ganit Mandal and Prof. A R Rao Foundation and a seminar in collaboration with Gujarat Vidyapith. Fr Herbert de Souza memorial lecture was delivered by Dr Rajeev Malhotra from Jindal University. As a good practice, the department of Economics organised Ecofest, an annual event.



5.0. Co and Extra Curricular activities

College take part in various track and field activities of the Gujarat University and send teams to take part in various other competitions. Several students take part in NCC and RDC parade. Many students are active in NSS activities. NSS organised various programmes such as hospital visits, cleaning drive, slum visits and interaction with construction workers, Thalassaemia detection camp. Yoga awareness etc. NSS organised a talk on "Know AIDS for No AIDS", a self-defense programme for girls. A group of NSS students from North East were introduced to the Gujarati culture by inviting them for a home stay by the NSS volunteers. NSS also participated in the polio eradication programme of the Government of India where they administered polio drops to 305 children.

College Women Development Cell and the cell for less privileged students continues to offer awareness and hand holding programmes for students. The Physically challenged students also have their regular programme coordinated by the Campus Ministry.

Our students participate in University youth festival and in College cultural festival to showcase their talents. College also participate in competitions conducted by other institutions and have won prizes in a range of events organised by GLS Institute, NAMED, Xcellon Institute, HL Institute of Commerce, NIRMA QUEST, SAL Institute of Technology, Ahmedabad Mirror, Sabarmati Fest and DDIT.



College has spent 2.23 Lakhs in purchase of books, periodicals and journals. Library is equipped with SOUL software. Laboratories are well equipped with necessary instruments.

College decided to switch over to CNG gas pipeline and establish hotspot of Reliance Communication and offer Wi-Fi on the campus.

6.0. Recommendations

- ✓ There is a need for linking courses with employability and market need
- ✓ It was suggested that the courses which college design should be broader at UG level and specialization should only be at the PG level with a pyramidal orientation rather than a tunnel model with limited vision.
- ✓ There is a need for including HR in Psychology course
- ✓ The possibility of dual degree programmes also should be explored in future
- ✓ Initiate an e-library with visual/ conference facilities
- ✓ Develop a gymnasium
- ✓ Introduce MSc Physics and BA Journalism from next Academic year.
- ✓ Need to tie up with companies like TCS for development of the institute
- ✓ Pharmaceutical companies should be approached for supporting the Biotechnology course with an offer of trained students in future
- ✓ Developing a professional sports academy on the campus with a view to offering the facility to the city of Ahmedabad.

Members:

1. Dr Sebastian Vadakan, IQAC coordinator
2. Dr Sudeshna Menon, Assi. Prof. Dept of Biochemistry-Biotechnology
3. Dr Uma Harikrishnan, Assi. Prof. Dept. of Chemistry
4. Dr Clement CJ, Asso. Prof. Dept of Physics-Electronics

