



# ST. XAVIER'S COLLEGE (AUTONOMOUS)

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

## Minutes of the Academic Council meeting No. X held on 21/09/2019 in the 'Board room of SXCA from 11.00 am onwards

The Tenth meeting of the Academic Council was held on September 21, 2019 in the Board room of St Xavier's College, Ahmedabad. A few members, Ms Aditi Vyas, Dr Ernesto Noronha, Mr Pankaj Mudholkar, Dr Sudhir Jain, Dr Abhay Chauhan, Dr Malay Mahadevia, Prof Saurabh Vaishnav and Prof. M.C. Patel could not attend owing to prior appointments. Fr. Principal conducted the meeting.

1.0 The Chair welcomed all the members. The minutes of the IX Academic Council meeting were circulated as an email and treated as read. The minutes were approved without any modification.

### 2.0. Action taken report:

2.1. The Governing Body has granted approval for the Ph.D. programs to be conducted at SXC. It was mentioned that all faculties who are registered Ph.D. guides with GU could take research scholars to initiate Ph.D. at our premises. The College may approach GU for the required recognition of our labs for starting doctoral programs. Chemistry, Maths, Physics, Psychology and Sanskrit have shown willingness to start such a programs as these departments already have approved guides. However certain finer points and policies are needed to be put in place for admissions and for other administrative requirements. Dr. V K Jain raised some queries which were clarified by the COE.

2.2. Introduction of online courses such as SWAYAM programs and NPTEL Video programs were discussed. There was a discussion on whether it should reflect in our marksheets. Upto two credits will be permissible. The matter was left to the Governing body to decide.

2.3 CIA-2 exams have been replaced with two Modules, to be called as M-1 and M-2. The marks of these two combined would be the same as the marks of CIA-1. The choice of module could be MCQ (on Moodle) / Quiz/ Assignment/ class test etc, as decided by the department.

2.4 The SS & FC offered in the Arts Faculty have been reorganized by Vice Principal, Fr. Vinayak along with the HODs of Arts. However certain difficulties remain ie. Less participation and poor attendance by students.

Minutes of the X Academic Council Meeting St Xavier's College (Autonomous) Sept 21, 2019



**P.B. No. 4168; NAVRANGPURA, AHMEDABAD – 380 009. GUJARAT, INDIA**

☎ (079) 29708056/7 | 📞 094264 75890 | 🌐 Website: [www.sxca.edu.in](http://www.sxca.edu.in) | ✉ E-mail: [stxaviers@jesuits.net](mailto:stxaviers@jesuits.net)

2.5(a) A 2-day Faculty Enrichment Workshop was organized for all staff of the college on April 18-19 on the recent NAAC regulations. This was followed by yet another workshop on the same by the college IQAC committee on July 23, 2019.

(b) A seminar on the New Education Policy was organized in July 2019, the purpose of which was to make the staff aware of the implications and merits of the same.

2.6 3 teams consisting of 13- faculty members were sent to visit the following well known Autonomous Colleges in order to study their best practice and also learn their systems. The colleges were St. Xaviers (Kolkatta), St. Joseph's (Trichy), Loyola (Chennai), Christ University and Marian College (Kuttikanam). The teams have prepared and submitted reports to the Management.

### 3.0 Information about the new set- up.

New Principal:	Fr (Dr) Lancelot D'Cruz
New Vice-Principals:	Fr (Dr) Vinayak Jadav (VP, Arts)
	Dr Mallika Sanyal (VP, Science)
	Fr (Dr) Johnson M (VP, SF Courses)
New IQAC coordinator:	Dr Clement
New coordinators:	Dr Kinnari Dubal (Botany)
	Dr Momin (Zoology)
New HoD:s	CA Harsh Koradiya (BCOM BPS)
	Dr Pinky Desai (Economics)

### Academic Council reconstituted: New Members:

Dr V K Jain, Department of Chemistry,	University Representative
Fr Vinayak Jadav, SJ	Vice Principal Arts, St Xavier's College (Autonomous)
Fr Johnson, SJ	Vice Principal Self Finance Courses, St Xavier's College (Autonomous)
Dr Kinnari Dubal,	Coordinator, Botany Department, St Xavier's College (Autonomous)
Dr Momin,	Coordinator, Zoology Department, St Xavier's College (Autonomous)
Dr Clement Chammasheril, IQAC Coordinator,	St Xavier's College (Autonomous)
Dr Pinky Desai, Head, Economics Department	St Xavier's College (Autonomous)
CA Harsh Khoradiya, Head, BCOM BPS Department	St Xavier's College (Autonomous)



### Outgoing Members:

Fr Robert Arockiasamy	Retired Principal
Dr Sebastian Vadakan	IQAC Coordinator
Dr Ushakar Gothi	Head Statistics Department, Retired
Dr Sharad Sondarva	Head Zoology Department

We thankfully acknowledge the services rendered by them.

#### 4.0 Summary of Academic results:

CoE. Dr Nirmal Desai shared the results of the examination and the progression of student details as in pass % , ratio of boys to girls, student progression from Sem-1 to Sem-6, etc which were tabled for all streams BA, BSc, Bcom and for all the MSc and MA programmes running in the College. Details were presented in the power point presentation.

#### 5.0 New Academic Programmes

The following New programmes are being contemplated in the near future.

- (BSc) Bachelor in Computer Sciences (with SF Mathematics and Statistics)
- Bachelor of Commerce
- BA with Music as Allied Required and as Allied Option up to Semester 4
- BA with Journalism & Mass Communication (Print Media)
- Five years' integrated course in Mathematics
- MA with Sociology and Political Science
- MA with Economics

From this academic year, French is being offered as an additional language paper, in addition to English and Sanskrit.

It was emphasized by Fr. Lobo that there is a need for more subjects like Political Science, Sociology in our Arts Stream. Fr. Lancy, reiterated that there is a dearth of good English medium Arts colleges in the city of Ahmedabad. Hence it was thought that these kind of subjects would be in demand, if they were to be started in the college. They would be self- financed courses also could be run in the evening if the need arises.

#### 6.0 Syllabus Revision

Each Department took up a detailed discussion on Syllabus modification. Sanskrit, Gujarati, Hindi, Psychology, English, Botany and Chemistry have made some modifications in their syllabus. The details can be obtained from the minutes of the



BoS. Academic council approved all the modifications proposed as per details given below.

**6.1 BA Gujarati-Hindi**

Syllabus Revision: Applicable from June 2020. Only a few units have been changed in BA Sanskrit.

Syllabus Revision: SN-1080 & 2080: will be changed from June 2020.

**6.2 BA Economics**

**Proposed Value added courses:**

(1) Banking (practical topics):

Two retired managers of SBI, Mr. Sudhir Mankodi and Mr. Ambrish Majmudar have agreed to conduct this programme for 30 hours in English and in Gujarati.

(2) Tax fillings: The resource person is preparing an outline.

Entrepreneurship: Resource person Dr. Umesh Menon is on our BoS. He is out of India and will give us the outline after he returns on 30-08-19.

(3) Mathematical economics, econometrics must be made rigorous and a bridge course in statistics be set up or an extra paper be introduced in the first year.

Preparing for an MoU with IIM whereby 10-15 students can do their projects in IIM if a paper is introduced on project work.

MA with Economics syllabus will be presented in next BOS meeting

Gradual revision of syllabus proposed for Semester I-VI

**6.3 BA & MA Psychology**

Syllabus changes in MA Semester 2

Paper of Semester-II: Cognitive Psychology, Memory and Intelligence

Inclusion of Artificial Intelligence

Research Methodology-II, to include a special section on qualitative methods of analysis in research

Semesters-III & IV syllabus in next BOS; importance of DSM, Neuropsychology and Animal Psychology

Workshops on Psychometrics and tool development for both the faculty as well as the students.

**6.4 BA and MA English**

Introduction of a component in "Listening Skills" in Functional English and revival of Language lab.

Focus by the Department for career guidance

**6.5 BSc Botany**

Syllabus Revision: Semester 3 and 4 Syllabus to be revised.

TY BOT students' Study Tour was arranged to study the vegetation of the Dediapada forests in the Shoolpaneshwar sanctuary in South Gujarat.



Lecture series of past students was conducted: Dr. Monica Christian, Deputy Technical Director, ALTRA & Dr. Sonali Chauhan from Tokyo University, Japan titled "A Botanist's Trek from Search to Research: from Xavier's to Utokyo

A Statistical analysis of the performance of the students in Semesters 1, 3 & 5 years was done and the analysed results were presented before the BOS. Failure in the core papers is noted to be less, compared to the other subsidiary subjects. Remedial classes are found to be beneficial for the students.

#### 6.6 BSc and MSc Chemistry Syllabus Revision:

MSc Analytical Chemistry PCH Semester 4 was finalized as follows:

Pharmaceutical Chemistry (Theory) Course Code: PCH 4851

Analytical spectroscopy – II (Theory) Course Code: PCH 4852

Advanced Analytical Instrumentation (Theory) Course Code: PCH 4853

Environmental Chemistry (Theory) Course Code: PCH 4854

Industrial Analytical Chemistry PCH-4855L

Analytical Chemistry - Dissertation/industrial Training: PCH – 4856 L

Some practicals designed in collaboration with Biochemistry Department

Restructuring of syllabus was done with respect to **PO/PSO/CO**

#### 6.7 BA/ BSc Statistics

Syllabus revision is being thought of for B.A. /B.Sc. (Statistics) Semester III & IV from June 2020 and will be proposed in next AC.

BOS was restructured with new members Dr. Chetna Bhavsar and Dr. Paresh Prajapati

#### 6.8 BSc and MSc Biochemistry & Biotechnology

A National Conference on 03 – 04 January, 2020 is scheduled. BioCalyX will focus this year on Nutritional, Adulteration, and Occupational Health. A state level Science Fest will be organized in February.

Department is initiating two optional certificate programmes:

(1) GLP COURSE for PG students and a visit to Zydus Hospital and use of equipments can be demonstrated to students.

(2) For UG students: Anthropometric measurements and Health indicators.

PO/PSO/CO are finalized for mapping for NAAC and MOODLE based exam.

#### 6.9 BSc Zoology

Minor Modification have been done for all papers in Semester V



#### 6.10 BSc and MSc Mathematics

Detailed list of revision already passed by their BoS, has been proposed from Sem-1 to Sem-4, some of which will be implemented in 20-21 while some in 21-22.

#### 6.11 BSc Physics & Electronics

MSc Physics format of 4 papers have been finalized.

- 1) PPH-4801: Transducers & Microcontrollers
- 2) PPH-4802: Astrophysics & Atmospheric Physics
- 3) PPH-4803: Nuclear & Particle Physics
- 4) PPH-4804: Advance Quantum Mechanics & Computational Techniques.

Syllabus revision has been done for:

- The M.Sc. Physics Sem-3 syllabus.
- A bridge course was needed before teaching Plasma Physics in Sem-3.
- Python course be kept in M.Sc. Sem3; Laboratory sessions instead of theory.
- Major Project being introduced in Sem-4 should be introduced in Sem-3.
- \* There is a plan to start e-newsletter of the department very soon.
- \* Department has started a new initiative of having "Students as Teacher Interns" with Zydus School Of Excellence.
- \* A new elective in SY Physics has been introduced titled: "Mathematical Methods in Physics"

#### 6.12 BCA: Bachelors of Computer Applications

Proposed Changes in the syllabus include :

1. To study and discuss the contributions of both the male and female leaders to the development of their sector.
2. Aspects of Gender sensitivity in the course EG-1312 Learning from World Leaders.
3. The topic "Team Building" on the aspect of Unbiased Gender has been incorporated in FC-4033.
4. Interpersonal Skills. Fine tuning "Data Communication Networking," Agile and SCRUMB in Object Oriented System and Design; Practicals of Mobile Application Development; to combine Ubuntu and Linux in one paper.
5. Proposed: Components of Ethics.
6. BSc with Computer Science syllabus in next BoS. Syllabus review; Report awaited

#### 6.13 B.COM Business Process Services

Syllabus Review was carried out and some changes suggested will be implemented in Semester VI Advance cost Accounting; Value based education should be included in curriculum as a separate paper, containing Life skills, Individual Ethics, Basic values, Climate change, Environmental studies and Global warming



#### 6.14 BDA Big Data Analytics Syllabus Revision

There is a proposed syllabus revision for all semesters. A detailed report was tabled which had been put before the BOS and passed.

#### 7.0 Examination Reforms.

- a. As per the previous AC meeting recommendation, The COE proposed certain changes to our evaluation system. The primary focus is to move towards **Continuous evaluation of Learning Outcomes**.
- b. **Hence** organized internal examinations' has been replaced with 'continuous internal assessment' in the present semester. To incorporate technological interventions ,the CIA-2, has been replaced with TWO unit tests (preferably moodle based) or any other form of problem-based assignments like: individual project reports (case-study reports); team project reports; oral presentations, seminar presentation; computerized adaptive testing; peer and self-assessment. The final decision is left to the individual department. The marking schemes would be as follows:

Internal Marks for:

\* UG (30) of which CIA-1 =50 (10), Module 1 (05),  
Module 2 (05), Attendance (05) and Assignment (05).

\* For PG the ratio for Internal to external is 40: 60 The allocation of int marks is the same as UG but in addition, the component of presentations is added of 10 marks each for all the papers .

The meeting concluded by Fr. Lancelot D'Cruz, thanking all the members for their presence and their invaluable contribution.

It was decided that the date for the next meeting: *Saturday, March 21<sup>st</sup>, 2020.*

\*\*\*\*\*

#### C. C.

1. Dr Fr Lancelot D'Cruz, S.J., Principal, St. Xavier's College
2. Ms Aditi Vyas, MD, Azafran Group
3. Dr Ernesto Noronha, Professor, IIMA
4. Mr Pankaj Mudholkar . Director, Aakruti promotions & Media Ltd
5. Dr Abhijit Sen, Ex-Director, Plasma Research
6. Dr Sudhir K Jain, Director, IIT Gandhinagar
7. Dr Hyacinth Highland, Dept. of Zoology, Gujarat University
8. Dr V K Jain, Dept of Chemistry, Gujarat University



9. Dr Abhay Chauhan, TCS, Bangalore
10. Dr Raghavan Rangarajan, Dean of the Undergraduate College, Ahmedabad University
11. Dr Malay Mahadevia, Whole Time Director, Adani Infrastructure
12. Dr Lancy Lobo SJ. Director, Centre for Culture and Development, Vadodara
13. Dr Fr Vinayak Jadav S.J.(VP-Arts), Dept. of Gujarati-Hindi, St Xavier's College
14. Dr Fr Johnson Kuruvilla S.J. (VP-SF Courses), Department of Computer Sciences and Big Data Analytics, St Xavier's College
15. Dr Nirmal Desai (CoE), Dept. of Chemistry, St Xavier's College
16. Dr Sudeshna Menon, Dept. of Biochemistry-Biotechnology, St Xavier's College
17. Dr Udayan Prajapati, Dept. of Mathematics, St Xavier's College
18. Dr Shuchita Mehta, Dept. of Sanskrit, St Xavier's College
19. Prof Puransinh Makwana, Dept. of Gujarati-Hindi, St Xavier's College
20. Dr Rajesh Iyer, Dept. of Physics-Electronics St Xavier's College
21. Prof. Saurabh Vaishnav, Dept. of English, St Xavier's College
22. Prof. M.C. Patel, Dept. of Physics-Electronics, St Xavier's College
23. Dr Atul Makwana, Dept. of Chemistry, St Xavier's College
24. Prof. B. B. Bhadauria, Dept. of Statistics, St Xavier's College
25. Dr Khushnuma Banaji, Dept. of Psychology, St Xavier's College
26. Dr Pinky Desai, Dept. of Economics, St Xavier's College
27. Dr M D Momin, Dept. of Zoology, St Xavier's College
28. Dr Kinnari Dubal, Dept. of Botany, St Xavier's College
29. Prof. Harsh Khoradia CA, Dept. of Commerce, St Xavier's College
30. Dr Mallika Sanyal, Member Secretary, St Xavier's College
31. Dr C J Clement (IQAC Coordinator), Dept. of Physics-Electronics, St Xavier's College

