

Minutes of the Academic Council meeting No. 9 held on 09/03/2019 in the Board room of SXCA from 11.00 am onwards

The ninth meeting of the Academic Council was held on 9th March 2019 in the Board room of St Xavier's College, Ahmedabad. A few members could not attend owing to prior appointments. Fr Principal conducted the meeting.

The Chair welcomed all the members. The minutes of the 8th Academic Council meeting was circulated as an email and treated as read. The minutes were approved without any modification.

- 1.0.** MA English was taken up for discussion. Currently, MA in English is offered as a high payment programme. The point of discussion was to offer part of this programme as grant in aid. Most of the students who opt for the course are girls and they do not contribute to tuition fees. This makes the programme unviable. Fr. Lancy had some concerns about the ethical reasoning of running both sections in one class. There was a discussion on whether Govt. gives a grant for such courses and also the benefits of running these Grant-in –aid classes for this Post Graduate programme. The final decision is left to the Management to take.
- 1.1.** Dr. Saby then raised a discussion on starting the PhD programmes where policies needed to be put in place for admissions and other administrative requirements. 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. College may approach GU for the required recognition of out labs for starting doctoral programme. Chemistry, Maths, Physics, Psychology and Sanskrit have shown willingness to start such a programme as these departments already have approved guides.
- 1.2.** Introduction of online courses such as SWAYAM programme and NPTEL Video programmes were discussed. There was a discussion on whether it should reflect in our marksheets? The matter is left to the Governing body to decide.
- 2.0.** 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.

BA Sanskrit

Syllabus Revision: SN 2501: From Bhagvatgita chapter 6-18 to Bhagvadgita must be chapter 9,10,12,15 and 'Bhashapravesh' chapter 1-10

BA Gujarati-Hindi

Syllabus Revision: GU 6505 from aganpakh to prakashnipagadandi
HN 2201 rearrangement in the units
Recommendation to start Allied Optional from semester 3 in Hindi

MA Psychology

MA Psychology (Clinical); syllabus of all papers newly designed

Semester 1

Cognitive Psychology-1

Social Psychology-1

Health Psychology

Research methodology-1

Semester 2

Research methodology-2

Social Psychology-2

Psychology of wellbeing

Cognitive Psychology, Memory and Intelligence

BA English

Syllabus Revision: EN 1501, 2502, EN 4502, EN-3104, EN 4104, EN-5502, EN-5504, EN-5505A, EN-6501, EN-6502, EN-6503, EN-6504A, EN-6505A, EN-6505B,

MA English

Syllabus Revision: PEN-1802, PEN-1805B, PEN-2804

BA Economics

No change in the syllabus proposed

BSc. Biochemistry-Biotechnology

- PO/PCO/CO for Biochemistry-Biotechnology aligned with Institutional vision and mission
- Social outreach
- Organizing exhibitions on nutrition
- Interacting with school students and taking science to some schools
- Tie up with CERC for analysis of quality of food (salt and sugar evaluations of local food)
- Awareness camps where society benefits: diabetes, general hygiene, cancer
- Starting a Saturday club
- Developing an Animal Tissue Culture lab

BSc Botany

Syllabus Revision: BO 2501; 3 units revised
BO 1502L, small additions are suggested
Suggestion to make marks of practicals from 35 to 70
BO 2501 unit 4 is to be changed with bioethics
BO 2502L minor correction suggested

Result analysis by Botany

- Failure in other core papers is noted
- Remedial classes useful and should be offered

BSc Chemistry

Syllabus Revision: Certain small topic removed/added in CH 1501 (details in the minutes of the BoS)
Hazardous practical removed from CH 1502L

MSc Chemistry

- PCH Semester 3 and 4 finalized
- Restructuring of syllabus by PO/PSO/CO
- Academic innovations: Monograph writing
- Aptitude and psychometric tests to design syllabus student centric

Sub. code	Course	Instruction Hrs/week	Internal Assessment Marks	Max Marks Semester Exams	Duration of Semester Exam (Hrs)	Credit
PCH 3851	Industrial Analytical Chemistry	4	30	70	3	4
PCH 3852	Qualitative Optical Spectroscopic Methods	4	30	70	3	4
PCH 3853	Electroanalytical Techniques	4	30	70	3	4
PCH 3854	Modern Separation Techniques	4	30	70	3	4
PCH 3855L	Industrial Analytical Chemistry (Practicals)	3	30	70	3	4
		3			3	
PCH 3856L	Industrial Analytical Chemistry (Practicals)	3	30	70	3	4
		3			3	
Total		28	180	420		24

BSc Electronics

- Proposing internship with a company

BSc Mathematics

- Reordered the units of PMT4803B (Mathematical Methods) of M. Sc. Semester IV.
- Minor change in one of the units of MT6504 (Graph Theory) of TYBSc. syllabus.
- Introduced one elective paper at FYBSc Semester I “Matrix Algebra through AGEMath”
- Introduced one elective paper at TYBSc Semester VI “Computational Mathematics with Sage Math.
- Change in one of the units of MT 1501 (Matrix Algebra & Co-ordinate Geometry) of FYBSc. Semester I.
- Change in one of the units of MT 2502L(Calculus and Differential Equations - Practical) of FYBSc semester II

BSc Physics

- Proposing MoU with CHARUSAT

BA/ BSc Statistics

- **Syllabus Revision:** B.A. /B.Sc. (Statistics) Semester I & II from June 2019

BSc Zoology

- **Syllabus Revision:** ZO 4501, ZO 4502

BCA

- Introducing practical aspects in the paper
- Introducing Python

BCom

- **Principle of Management** (BPS1502) is replaced with **Human Resources Management** (BPS 6503)
- Following are the minor changes in various courses

Sr. No.	Subject	Comments
1	Auditing (BPS 5503)	Audit programme is added as a separate unit
2	Fundamentals of accounting	Revision of Royalty Chapter
3	2104Business Law	Some topics are removed

4	5507: PRINCIPLES AND PRACTICE OF AUDITING	
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BDA

First Year B.D.A.

Subject Code	Semester-I	Subject Code	Semester-II
PBD-1801	Statistical Methods	PBD-2801	Foundations of Data Science
PBD-1802	Probability & Stochastic Process	PBD-2802	Advance Statistical Methods
PBD-1803	Linear Algebra & Linear Programming	PBD-2807	Introduction to Machine Learning
PBD-1804	Computing for Data Sciences	PBD-2804	Data mining
PBD-1805	Database Management	PBD-2808	Enabling Technologies for Data Science I
PBD-1806	Python Programming	PBD-2806	Multivariate Statistics
		Elective courses: (choose 1)	PBD-2901 Operations Research PBD-2902 Cloud Computing PBD-2903 Natural Language Processing PBD-2904 Operating Systems and UNIX Programming

Second Year B.D.A.

Subject Code	Semester-III	Subject Code	Semester-IV
PBD-3801	Modeling in Operations Management	PBD-4801	Internship Based Project
PBD-3806	Enabling Technologies for Data Science-2		

PBD-3805	Advanced Machine Learning		
PBD-3804	Data Visualization with Tableau		
PBD-3803	Value Thinking		
Elective courses: (choose 2)	PBD-3901: Introduction to Econometrics & Finance		
	PBD-3902: Time series Analysis & Forecasting		
	PBD-3903: Bio Informatics		
	PBD-3904: Intellectual Property Right		
	PBD-3905: Cyber Security		
	PBD-3906: Text Mining		

3.0.CoE, Dr Nirmal Desai shared the results of the examination and the progression of students and reforms in the exam system.

Recommendations

- a. Reconsider ‘organized internal examinations’ to be replaced with ‘continuous internal assessment’. Rather than promoting a mark sheet driven academic evaluation, encourage students to score marks in activities, developing capacity, etc.
- b. Regional issues have to be given importance in the curriculum. There is a need to introduce innovative evaluative mechanisms for each unit by the teacher who teaches. There is a need to design format/ score card to assign marks or a format proposed by the teacher.

Focus - Continuous evaluation of Learning Outcomes

- a. **Continuous evaluation:** Assessment not in a single shot; opportunity to learners for improvement
- b. **Combination** of formative, interim and summative assessment
- c. **Problem based assignments:** individual project reports (case-study reports); team project reports; oral presentations, seminar presentation; computerized adaptive testing; peer and self-assessment
- d. **Technological interventions:** measure wider range of skills and knowledge

e. **Suggestions/ Examples:**

- i. CIA-II Moodle based for all SF programmes
- ii. Unit tests to replace CIAs

4.0. Revamping Soft Skill and Foundation Course. Dr Saby proposed that soft skill courses should be skill based and should be interest based. Several examples were suggested by him as an alternative for existing soft skill programmes. They are:

- Foundation (inculcate citizenship roles/Nation Building)
 - UG Research
 - NCC, NSS, Tarumitra, Jagrat, Library services, Remedial Classes/peer learning
 - Serving in College approved NGOs
 - Extension activities of the Dept.
- Soft Skills courses
 - Sports/ Athletics
 - Cultural activities
 - Volunteering/Event Management
 - Personal Growth Oriented Programmes/ Counselling
 - Communication skill
 - Body Language
 - Spoken English Course
- Social extension with respect to academics in each subject
- There was also a discussion on introducing short courses of two credits each which could replace the Soft skill courses. Dr Saby proposed the syllabus for Event Management as an example. Suggestion was given to look into the certificate courses offered by Ahmedabad Management Association.

5.0. Faculty enrichment/ Development

IQAC proposed several activities for Human Resource Development of the institute.

- Induction Training for all Newly recruited Faculty:
 - ✓ Awareness about emerging developments
 - ✓ Equip with science and art of teaching
 - ✓ Technology integration, e-learning resources
 - ✓ Self empowerment, motivation, team work and leadership
 - ✓ Sensitization and engagement with issues such as gender, environment and sustainability, social cohesion, national integration, human values and professional ethics etc.
- Annual Refresher Training for all Teachers
- SAP/ Xavier Academic Planning for all dept
- Leadership / Management training for all educational administrators

- Need for HRDC,PRO
- It was suggested that for NAAC, it was necessary to have a better understanding about PO/PSO and/CO and a one day seminar could be arranged by IQAC.

6.0. Some Suggestions

- Need to Reconstitute Academic Council was discussed and the next Principal is to implement the same
- 3 journals per every PG course (at least one international) was recommended
- Prof. Bhaduria shared with the members his concern for new recruits in the department as several new and difficult topics have been introduced in this course. He emphasized on the need for refresher programmes for faculty.

Fr. Lancelot D'Cruz thanked all the members for their invaluable contribution.

It was decided that the date for the next meeting: *August 3, Saturday 2019.*

C.C.

1. Fr Robert Arockiasamy, S.J., Principal, St. Xavier's College
2. Dr Nisha Shah, Dept of Chemistry, Gujarat University
3. Dr Hyacinth Highland, Dept. of Zoology, Gujarat University
4. Dr Manubhai Makwana, Dept. of Sociology, Gujarat University
5. Dr Sudhir K Jain, Director, IIT Gandhinagar
6. Dr Ernesto Noronha, Professor, IIMA
7. Dr Malay Mahadevia, Whole Time Director, Adani Infrastructure
8. Mr Pankaj Mudholkar , Director, Aakruti promotions & Media Ltd
9. Dr Abhijit Sen, Ex-Director, Plasma Research,
10. Mr Janmejy Vyas, Managing Director, DishmanPharma
11. Ms Aditi Vyas, MD, Azafran group
12. Dr Abhay Chauhan, TCS, Bangalore/ abhay.chauhan@tcs.com
13. Dr Lancy Lobo SJ. Director, Centre for Culture and Development, Vadodara
14. Dr Raghavan Rangarajan, Dean of the Undergraduate College, Ahmedabad University, Ahmedabad
15. Dr Lancelot D'Cruz, Dept of Botany, St Xavier's College
16. Dr Nirmal Desai (CoE), Dept of Chemistry, St Xavier's College
17. Prof Ami Shah, Dept of Economics, St Xavier's College
18. Prof Saurabh Vaishnav, Dept of English, St Xavier's College
19. Prof Puransinh Makwana, Dept of Gujarati-Hindi, St Xavier's College
20. Dr Khushnuma Banaji, Dept of Psychology, St Xavier's College
21. Dr Shuchita Mehta, Dept of Sanskrit, St Xavier's College
22. Dr Sudeshna Menon, Dept of Biochemistry, St Xavier's College
23. Dr Atul Makwana, Dept of Chemistry, St Xavier's College

24. Fr Johnson Kuruvilla, Department of Computer Sciences, St Xavier's College
25. Dr Rajesh Iyer, Dept of Physics-Electronics St Xavier's College
26. Dr Udayan Prajapati, Dept of Mathematics, St Xavier's College
27. Dr UB Gothi, Dept of Statistics, St Xavier's College
28. Prof Bhadauria, St Xavier's College
29. Prof M.C. Patel, St Xavier's College
30. Dr Sharad Sondarva, Dept of Zoology, St Xavier's College
31. Dr Mallika Sanyal, Member Secretary, St Xavier's College
32. Dr Sebastian V, IQAC Coordinator, St Xavier's College