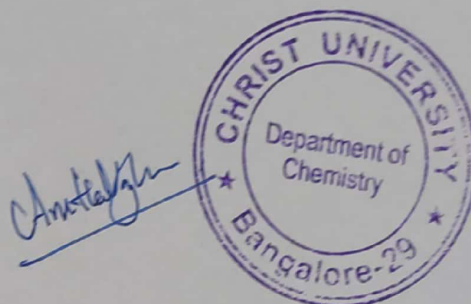
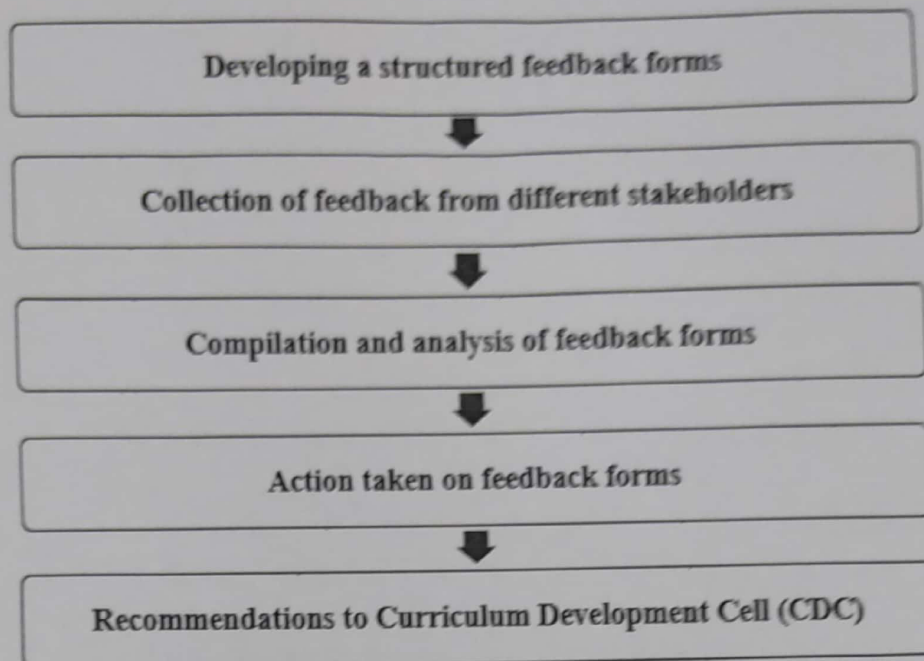


Department of Chemistry

Feedback process



Department of Chemistry
CHRIST (Deemed to be University)

Bangalore – 560029

Curriculum feedback analysis for the academic year 2020 - 2021

Student feedback on curriculum consisted of the following suggestions: include more environmental related topics, fundamental topics like types of bonding, periodicity for better understanding of inorganic topics, some applications of the topics which are relevant in different fields. Consider teaching stereochemistry in the later semesters, in general teach simpler topics in initial semester and difficult topics like heterocyclic compounds. Students of analytical chemistry felt that they can study less number of organic reactions and suggested that we can start another specialization having a mix of organic and analytical topics. Alumni feedback suggested that the flow of topics be considered like teaching functional groups like carboxylic acids along with carbonyl compounds. The chapters taught can be made more relevant by covering CSIR related questions appearing in the respective topics. They suggested starting a new specialization in line with the current trending topics like materials chemistry.

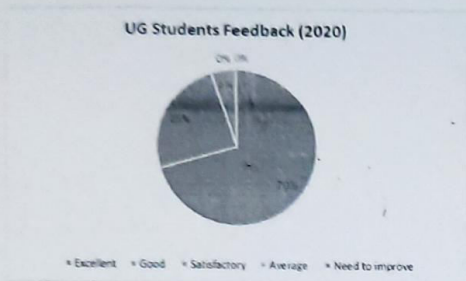
Action taken:

Based on the student and alumni feedback the syllabus was modified suitably to incorporate most of the relevant changes asked for which is highlighted in the curriculum. Major changes were incorporated in the course CHE641B Novel inorganic solids, topics that meet the global needs were added as per the suggestions from stake holders. Topics related to polymers were added in the courses MCH132/ MAC132 Organic Chemistry-I based on the feedback from alumni and stake holders.

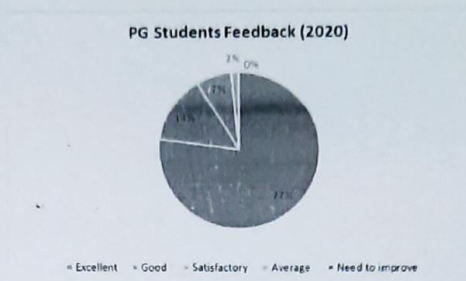


Detailed analysis of feedback-2020

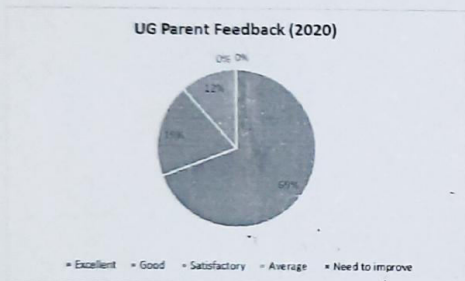
UG Student Feedback



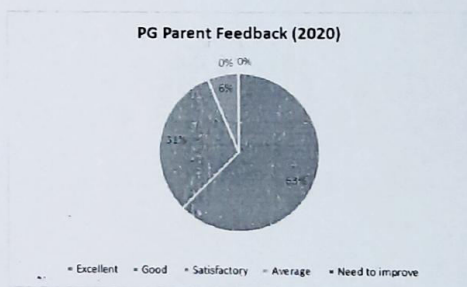
PG Student feedback



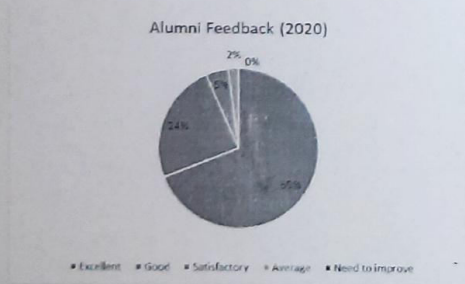
UG Parent feedback



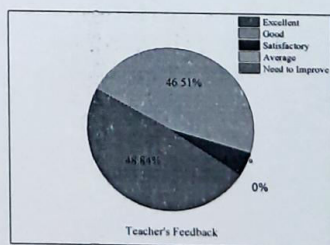
PG Parent feedback



Alumni feedback



Teacher feedback



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CHRIST UNIVERSITY
Department of Chemistry

Minutes of the 13th Meeting of the Board of Studies of Chemistry held on Monday, 3 February 2020 at 10 am at Room Number 119, Block 4, CHRIST (Deemed to be University), Bangalore Central Campus

In the Chair: Dr Anitha Varghese

Secretary: Dr Riya Datta

Members Present

All the members as per the attendance list were present.

Leave of Absence

There was no leave of absence.

Declaration of Quorum and Calling the Meeting to Order

The Chairperson declared the validity of the quorum and called the Meeting to Order.

Matters on the Agenda

1. Change of BOS Chairman

The Board thanked the previous Chairperson, Dr. Surendra Umesh Kulkarni for the services rendered by him. The Board noted the change of the Chairman and congratulated the present Chairperson Dr. Anitha Varghese.

2. To confirm the minutes of the previous meeting held on 05-02-2019.

The minutes of the previous meeting of the Board of Studies as per Annexure A to the notice was duly reviewed and approved by the meeting. It was noted that there were no matters arising out of the minutes.

3. To consider and approve minor revision of syllabus for MSc in Chemistry (Organic Chemistry specialization).

The Board of Studies reviewed the proposed changes in curriculum for MSc in Chemistry (Organic Chemistry specialization) as per Annexure B. Having considered the validity of the reasons for the suggested changes, the Board approved the same, subject to approval of the Academic Council.

4. To consider and approve minor revision of syllabus for MSc in Chemistry (Analytical Chemistry specialization).

The Board of Studies reviewed the proposed changes in curriculum for MSc in Chemistry (Analytical Chemistry specialization) as per Annexure C. Having considered the validity of the reasons for the suggested changes, the Board approved the same, subject to approval of the Academic Council.

5. To consider and approve the syllabus and course structure for MSc in Chemistry (General chemistry)

The Board of Studies reviewed the proposed curriculum for MSc in Chemistry (General chemistry) as per Annexure D. Having considered the validity of the reasons for the suggested changes, the Board approved the same, subject to approval of the Academic Council.

6. To consider and approve corrections and reorganisation in course codes of all post graduate courses

The Board of Studies reviewed the proposed changes in corrections and reorganisation in course codes of all post graduate courses as per Annexure D. Having considered the validity of the reasons for the suggested changes, the Board approved the same, subject to approval of the Academic Council.

7. To consider and approve the changes in evaluation pattern of PG Programs

The Board of Studies reviewed the proposed changes in Mid-semester evaluation pattern of PG programs. Submission of a manuscript which was a mandatory requirements for the award of the MSc degree is removed with effect from 2018 batch. Having considered the validity of the reasons for the suggested changes, the Board approved the same, subject to the approval of the Academic Council.

8. To consider and approve minor revision of syllabus for BSc(Chemistry)(VI Sem BCB, BCZ, PCM and CBZ).

The Board of Studies reviewed the proposed changes in curriculum for BSc Chemistry (Semester VI) as per Annexure E. Also the Board of Studies reviewed the proposed changes in corrections in course codes of V and VI semester BSc chemistry courses. Having considered the validity of the reasons for the suggested changes, the Board approved the same, subject to the approval of the Academic Council.

9. To consider and approve major revision of syllabus and course structure for BSc Chemistry (PCM/CBZ/BCB/BCZ)

The Board of Studies reviewed the proposed major changes in curriculum for BSc Chemistry and course structure as per Annexure F. Having considered the validity of the reasons for the suggested changes, the Board approved the same, subject to the approval of the Academic Council.

10. To consider and approve syllabus for for open elective on basics of yoga

The Board of Studies reviewed the proposed curriculum for open elective course on Basics of Yoga as per Annexure G. Having considered the demand for this, the Board approved the same, subject to the approval of the Academic Council.

11. To consider and approve BOE for MSc/ MPhil in Chemistry

The Board of Studies reviewed and approved BOE for MSc and MPhil Programmes as per Annexure H. Having considered the validity of the reasons for the suggested changes; the Board approved the same, subject to approval of the Academic Council.

12. To review the Results of the March 2019 and October 2019 for UG and PG Programmes.

The Result Analysis of the End Semester Examinations for all courses under the purview of the Department of Chemistry was reviewed by the BOS as per Annexure I. The Board made general observations that the result of some of the courses had improved compared to previous years.

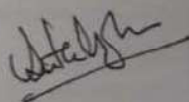
13. To review the progress of Research and Publications of the Department.

The Board of Studies reviewed the progress of Research and Publications as per Annexure J. The members observed that there were 30 international paper publications by the faculty members. One faculty member (Dr. Dephan Pinheiro) and one research scholar (Dr. Akshaya KB) of the department had been awarded PhD degree.

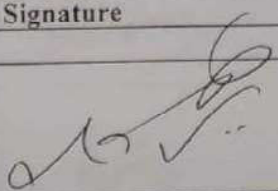

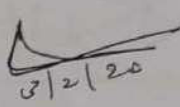
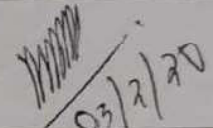
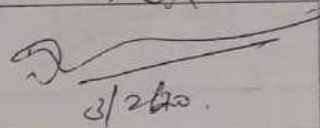
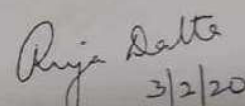
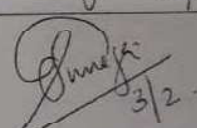
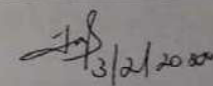
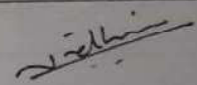
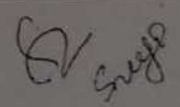
14. To consider any other matter with permission of the Chair.

With no other matters to discuss the Chairman adjourned the meeting, thanking all the participants. The Chairman particularly thanked all the external members who were able to make it despite their hectic schedule.

Dr Anitha Varghese
Chairperson
Board of Studies



CHRIST (DEEMED TO BE UNIVERSITY), BENGALURU-29
DEPARTMENT OF CHEMISTRY
BOS MEETING ON 03-02-2020
Members Present

Sl No.	Name and Address	Signature
Members		
1.	Dr. Farooq Ahmed Retired Professor of Chemistry Bangalore University Bengaluru, Karnataka -560001	
2.	PL Srinivas, Senior Director, Head API Process Research and Polymorphism. Cipla Ltd., Old Madras Road, Virgonagar, Bangalore- 560049,	 03.02.2020
3.	Prof. Louis George Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	 3/2/20
4.	Prof. K. J. Thomas Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	 03/2/20
5.	Prof. Dephan Pinheiro Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	 3/2/20
6.	Dr. Riya Datta Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	 3/2/20
7.	Dr. Sunaja Devi K.R. Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	 3/2
8.	Dr. James Arulraj Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	 3/2/2020
9.	Dr. Nidhin M Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	
Invitees		
10.	Dr. Sreeja P.B Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	

11.	Dr. Yamuna Nair Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	Absent.
12.	Ms. Hepziba Magie Jessima S.J. Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	Hepziba
13.	Dr. AatikaNizam Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	AN
14.	Dr. Prasad PralhadPujar Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	Prasad
15.	Dr. Krishnaji T Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	Krishnaji
16.	Dr. Vinod T P Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	Vinod
17.	Dr. Pramod K M Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	Pramod
18.	Dr. Sudhakar YN Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	Sudhakar
19.	Dr. Ajesh Vijayan Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	Ajesh
20.	Dr. N.M. Nanjegowda (Invited Visiting Professor) Department of Chemistry CHRIST (Deemed to be University) Bengaluru -29	N.M. Nanjegowda
21.	Moksha Muthappa (Student Invitee) Register Number: 1847407 MSc Chemistry	Moksha

Dr. Anitha Varghese
Chairperson, BOS,
Department of Chemistry,
CHRIST (Deemed to be University), Bangalore-29.

Department of Chemistry
CHRIST (Deemed to be University)
BENGALURU- 560029
Annexure A supporting documents of BOS

Academic year 2020-21

- All the practical courses are aligned to provide skill development to the students.
- Course enrichment activities are incorporated in the syllabus.
- Codes of the core and elective courses in V and VI Sems were changed according to university requirement.
- **CHE331, Physical and Organic Chemistry II**, topics which caters to sustainability are Electrochemistry and polymers were identified.
- Major change is incorporated in the course **CHE641B Novel Inorganic solids**. Few topics like **Synthesis and modification of inorganic solids, Inorganic solids of technological importance and speciality polymers** are introduced in the course which have global needs. Topics like **Nanomaterials and engineering materials, composite materials and polymers** address employability.
- **CHE541A Chemistry of Natural Products and Heterocyclic compounds**: Few topics are considered to provide human value.
- Professional ethics is addressed in the Research methodology as a part of CHE531, Spectroscopy.
- **MCH 132/MAC 132- Organic chemistry I**
According to the feedback from the alumni and students, and recommendation by CDC this course has been revised. Some portions were eliminated from the existing chapters and a new 5 hour chapter on polymers (Chapter 7) was introduced.
Removed content
Biological importance and synthesis of Vit. B₁ (thiamine), Vit. H (biotin), and riboflavin
Newly introduced-Polymers- 5 Hrs
- **MCH 431- Inorganic Reaction Mechanisms and Organo-metallic chemistry**

There were some changes made to this course according to the suggestions made by the students and alumni, and recommendation by CDC.

- **Minor changes** were done to these courses, MCH 131, MCH 133, MCH134, MCH 231, MCH 233, MCH 234, MCH 331/MOC 334, MCH333/ MOC 333, MCH 434/MOC 434, MAC 131, MAC 133, MAC 134, MAC 231, MAC 233, MAC 234, MAC 431/MCH 431 with respect to the comments from the feedback forms, and recommendation by CDC.
- **The Department after conducting a need analysis and incorporating suggestions from various stakeholders proposed the need for introduction/revision of courses and programs.** The proposals were discussed in the Curriculum Design and Development Committee. After its due process and approval, the faculty members of the department framed the necessary content considering employability/entrepreneurship/skill development aspects and are submitted it for the approval of the Board of Studies of the Chemistry Department. These changes will be incorporated from the academic year 2020-2021.

List of courses that are revised and newly introduced are presented below:

1. CHE331, Physical and Organic Chemistry II
2. CHE641B Novel Inorganic solids
3. CHE541A Chemistry of Natural Products and Heterocyclic compounds
4. MCH 132/MAC 132- Organic chemistry I
5. MCH 431- Inorganic Reaction Mechanisms and Organo-metallic chemistry

Amitabh

