

DEPARTMENT OF CHEMISTRY

STAKEHOLDERS' CONSOLIDATED FEEDBACK AND REPORT
ON POSTGRADUATE CURRICULUM OF CHEMISTRY FOR
THE ACADEMIC YEAR 2020-21

BOS-29.07.2021



Sri Ramakrishna Mission Vidyalaya College of Arts & Science
(An Autonomous College Affiliated to Bharathiar University, Coimbatore)
Department of Chemistry
SRKV Post, Coimbatore - 641020.

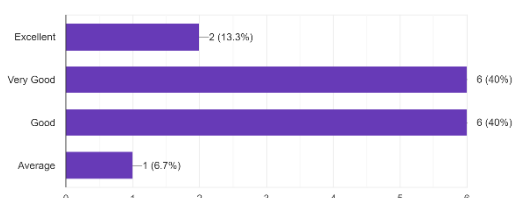
Stakeholders' Consolidated Feedback and Report on Postgraduate Curriculum of Chemistry for the Academic Year 2020-21

The overall development, assessment of quality, integration of innovation, the quest for excellence, sustainability, efficient performance, the cross-section of administration, and attainment of the vision of any organization are effectively molded through stakeholders' feedback. The focused feedback system creates an effective core trajectory to integrate and enrich the respective courses in a programme. In continuation of our undergraduate feedback analysis in view of curriculum for the year 2020-2021, the consolidated feedback analysis and report is submitted with the support of the postgraduate students, alumni, faculty members, and employers for curriculum enrichment and to integrate current trends in chemistry at the postgraduate level.

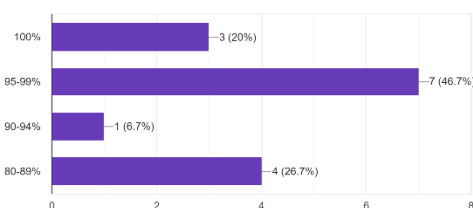
Students' feedback:

For students, the feedback collected on different parameters like depth of the course, the extent of syllabus coverage, the applicability of syllabus in real-time, internships, overall rating on curriculum, and their suggestions to improve the course design/content. The postgraduate students promptly responded and provided their input to enhance the refinement of the curriculum. The majority of the students (80 %) strongly agreed that the content provided in the program is depth enough in the curriculum. Students appreciated that faculty member covers the syllabi on average of 90%. The students believe that the curriculum will help them in their real-time situations and the project work will pave a road for their research career. Finally, 90 % of the students positively responded to overall feedback on the curriculum.

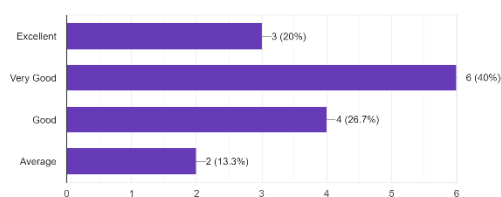
Depth of course content
15 responses



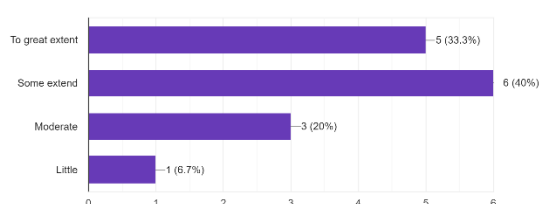
The extent of coverage of course (syllabi)
15 responses



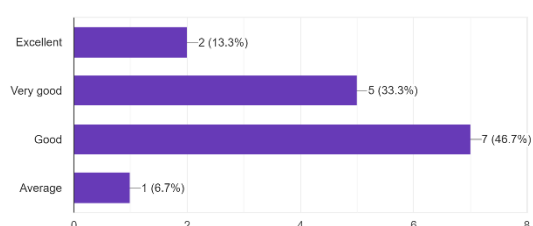
Applicability/Relevance of curriculum to the real-life situations
15 responses



Field project / Internship / Student Project is road map to enrich basic research skills
15 responses



Overall rating of the curriculum
15 responses



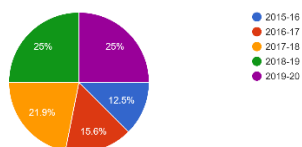
Suggestions from the Students:

- Enrich the curriculum with current research topics.
- Enrich the curriculum to meet the competitive exams like GATE, CSIR, TIFR, BARC, etc.,
- Introduce mandatory internships and in-plant training.
- Introduce mandatory industrial visits in the curriculum.

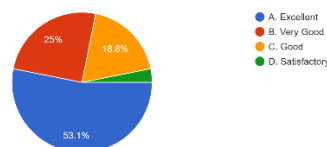
Alumni feedback:

In a random sample, the feedback from alumni who are all graduated in the past five years about the curriculum refinement process. Most of the students positively responded to the participative learning and problem-solving methodologies in the curriculum. Around 75 % of students appreciated the curriculum that helped them in higher studies and competitive exams. The 87% of the alumni rated strategies implemented in the teaching-learning process as very good to excellent. While expressing the view on curriculum ensures the development of youth, 81% of the students are appreciated. Though the students are happy and proud to be our alumni, they provided some valuable suggestions on this refinement process.

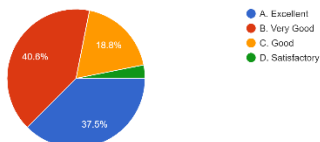
Year of Study
32 responses



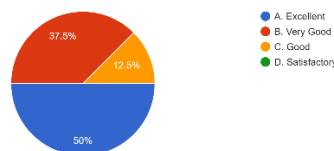
Used experiential learning, participative learning, and problem-solving methodologies are
32 responses



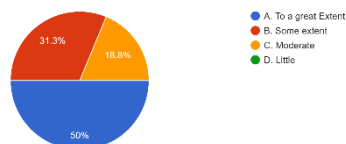
How is curriculum content support to pursue higher studies, competitive and entrance examinations?
32 responses



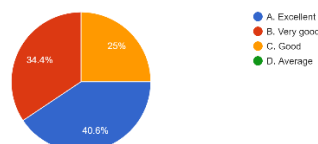
Strategies implemented in teaching-learning and evaluation process is
32 responses



The curriculum ensures overall developments of the youths
32 responses



Overall rating of the curriculum
32 responses



Suggestions from Alumni:

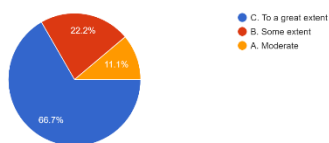
- Introduce problem and analytical questions rather than explanatory based.
- Emphasize the application part of the spectroscopy course.
- Introduce mandatory internships.
- Update the curriculum with recent developments in chemistry.

Teachers' feedback:

The feedback acquired from all the faculty members of the department on this curriculum refinement process. The 88% of the members agreed that the POs, PSOs, and COs of the curriculum developed and implemented have relevance to the local, national, regional, and global developmental needs largely. Around 55% of the members strongly agreed that the courses mainly focused on skill development and the remaining 45% of the members feel the curriculum focus on employability. The members strongly appreciate the syllabus realized the stakeholders expectations and weightage provided to the students undertaking field projects/internships/projects is more relevant. Overall rating on the curriculum from the faculty members is very good to excellent.

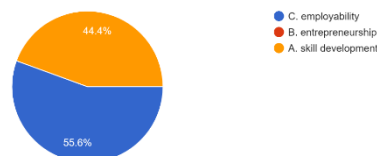
5. Curriculum developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in...s) and course outcomes (COs) of the programme. *

9 responses



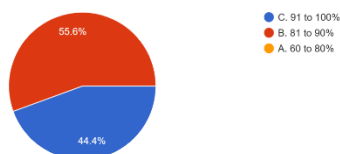
6. Average percentage of courses having focus on *

9 responses



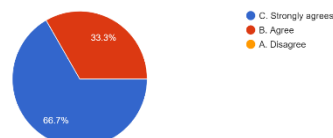
7. How much of the syllabus realized the stakeholders' expectations? *

9 responses



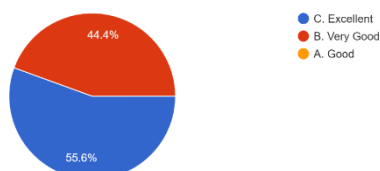
8. Weightage provided to the student's undertaking field projects/internships/projects/working models. *

9 responses



9. Overall rating of the curriculum *

9 responses



Suggestions from teachers?:

- Introduce MOOC courses in the curriculum.
- Update the practical courses with modern laboratory experiments.
- Some of the core courses need to revamp with recent developments in chemistry.
- Offer more elective courses to meet the industrial and research demands.
- Add asymmetric organic synthesis, retrosynthesis, energy materials, macrocyclic synthesis, and drug delivery material in the curriculum.

EMPLOYER FEEDBACK-I

- Include various metal-catalyzed reactions to C-C, C-N, and C-O bond forming reactions in the curriculum.
- Include separation of components from a mixture of organic compounds by fractional crystallization, fractional distillation, column chromatography, and Thin Layer Chromatography.
- Familiarize the Quantum Chemistry based tools like CHEMSKETCH, CHEMDRAW, and MS-EXCEL etc.,

EMPLOYER FEEDBACK-II

- Introduce various industry-oriented elective courses like process chemistry, organic spectroscopy, retrosynthesis, and modern instrumental techniques.
- Revise the medicinal chemistry, and organic reactions and reagents courses with current developments.

Further, the stakeholders consolidated report on postgraduate curriculum is submitted to the principal, Chairman of IQAC as the quality mandating and for competent authority approval.



Chairman-BoS

Dr. M. SEKAR
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Associate Professor of Chemistry
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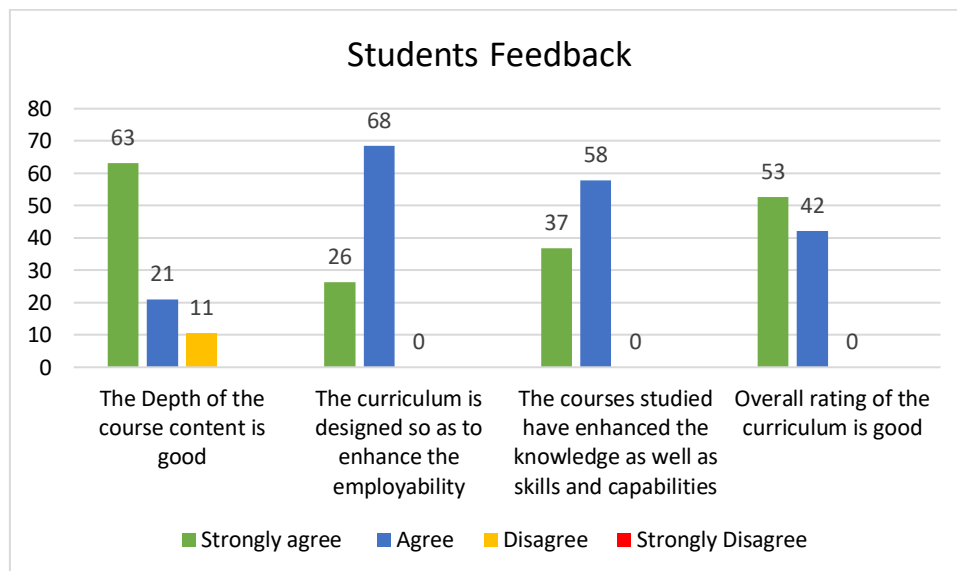


Principal, Chairman-IQAC
SRI RAMAKRISHNA MISSION VIDYALAYA
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Department of Chemistry
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Stakeholders' feedback and suggestions received for the academic year 2018-19

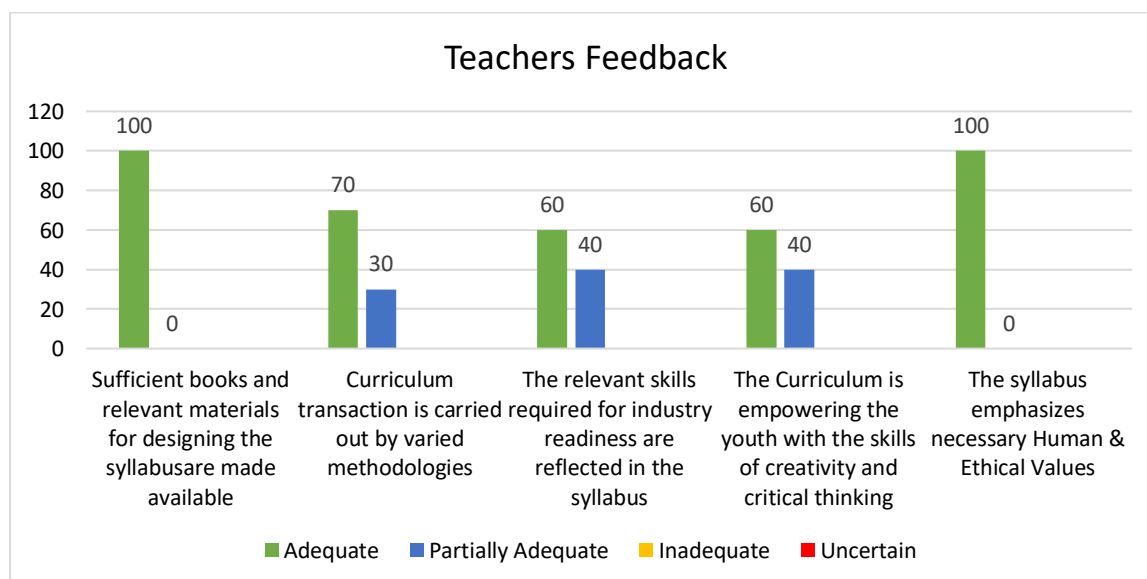
Students' feedback:



Suggestions:

- Hands-on-training programmes instruments may be provided.
- Cultural events may be conducted in the department.

Teachers' Feedback:



Methods applied to Curriculum transaction:

Most of the faculty members agreed that the teaching methods used for curriculum transactions are adequate.

Development of Skills of creativity and critical thinking:

Sixty percent of the faculty members perceived that the skills of creativity and critical thinking are adequate in the curriculum. Others suggested for further refinement.

Theory and Practicals:

Proportionate weightage has been given to both theory and practical courses. Some of the faculty members suggested to introduce physical chemistry experiments in the "Allied practical chemistry" course.

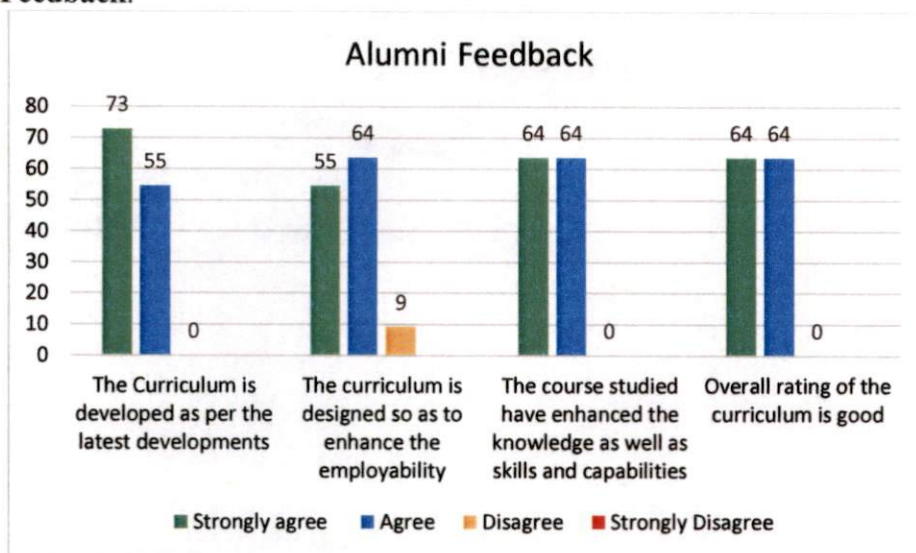
Need for instilling flexibility in curriculum:

Most of the faculty members accepted that the enough flexibility is available to modify the existing curriculum

Suggestions for Curriculum Enrichment:

- The course "Computational Chemistry and Molecular Modelling" may be introduced.

Alumni Feedback:



Suggestions:

- Conduct more association meetings on contemporary research and industrial demands.
- Industrial collaboration for final year project works may be considered.

HoD of Chemistry Dr. ACM

Dr. A. CHANDRAMOHAN

M.Sc., M.Phil., Ph.D., D.C.H.I.,

Associate Professor & Head,

Department of Chemistry

Department of Chemistry (2018-19)

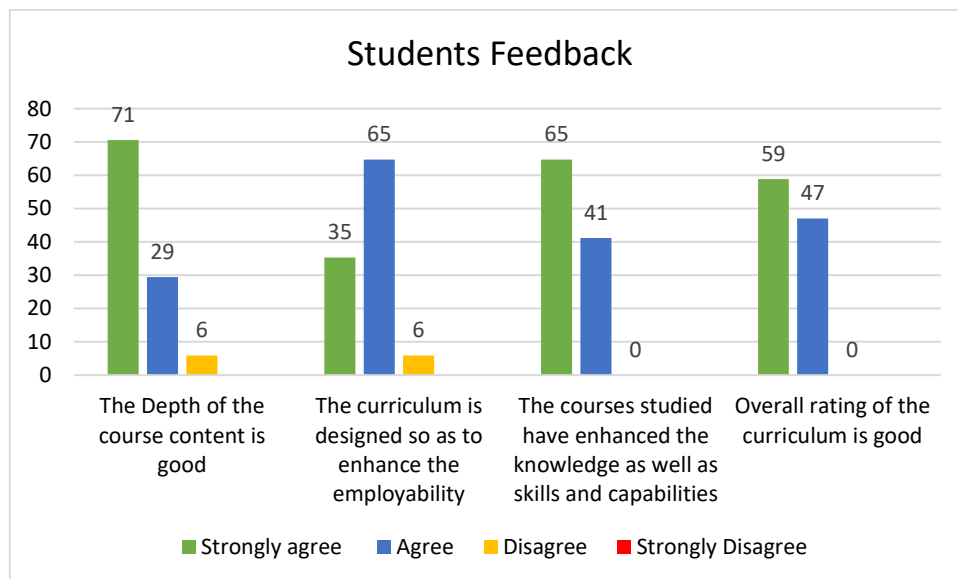
Sri Ramakrishna Mission Vidyalaya
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Principal

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Department of Chemistry
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Stakeholders' feedback and suggestions received for the academic year 2017-18

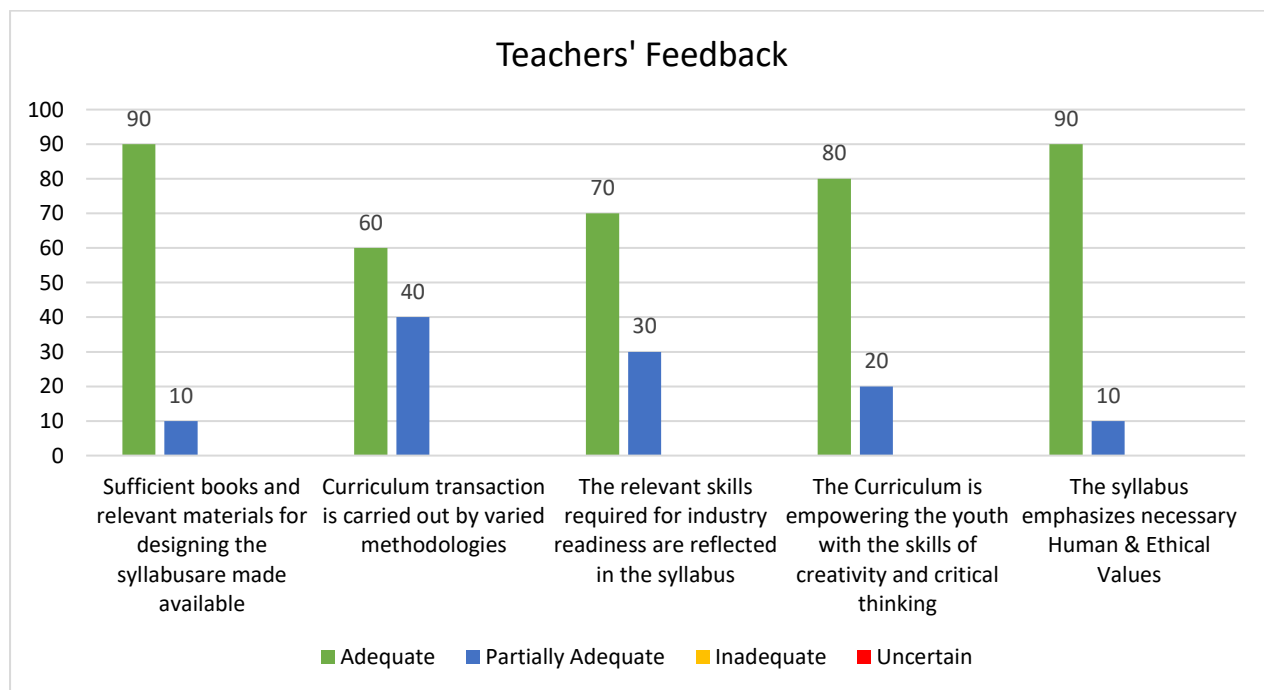
Students' feedback:



Suggestions:

- More courses on employability may be offered.
- Industrial visits in curriculum may be incorporated.

Teachers' Feedback:



Availability of books and materials:

Most of the faculty members agreed that the resources are adequately available for the existing programmes offered in the department.

Methods applied to Curriculum transaction:

Sixty percent of the faculty members perceived that the teaching methods for curriculum transactions are adequate. Others suggested to introduce more methodologies.

Development of Skills of creativity and critical thinking:

Most of the faculty members agreed that the creativity and critical thinking skills in the curriculum adequately available.

Integration of Human and Ethical Values:

Most of the faculty members felt that the integration of “Human and Ethical values” are sufficiently integrated in the existing curriculum.

Theory and Practical:

Proportionate weightage has been given to both theory and practical in the curriculum.

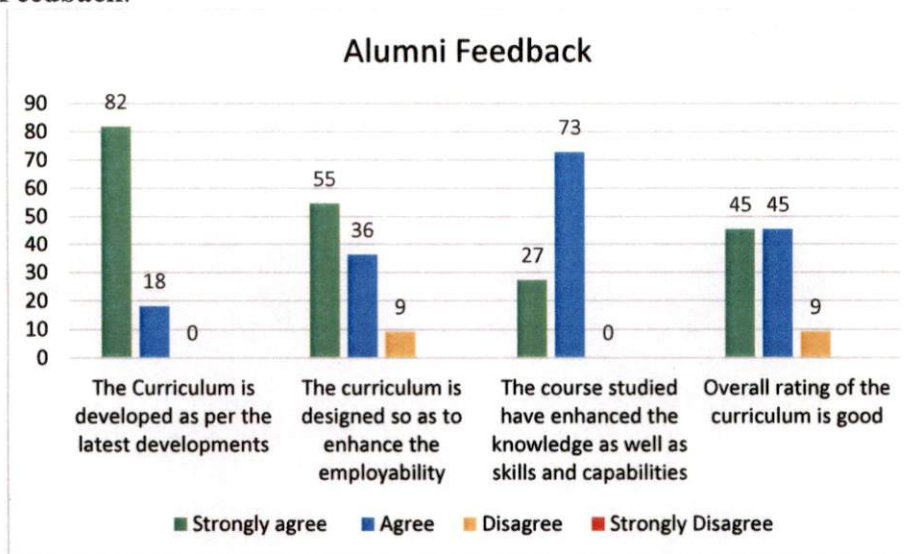
Need for instilling flexibility in the curriculum:

Most of the faculty members accepted that the enough flexibility is available to modify the existing curriculum.

Suggestions for Curriculum Enrichment:

- An outcome-based component may be introduced.
- The existing course NME-I may be revised and the course “Health awareness and Management” may be introduced as NME-II.
- The General Chemistry - I and General Chemistry - II courses may be revised.

Alumni Feedback:



Suggestions:

- Provisions for preparedness on competitive examinations.
- New elective courses may be introduced in order to meet the current requirements of chemical industries.

HoD of Chemistry

Dr. A. CHANDRAMOHAN

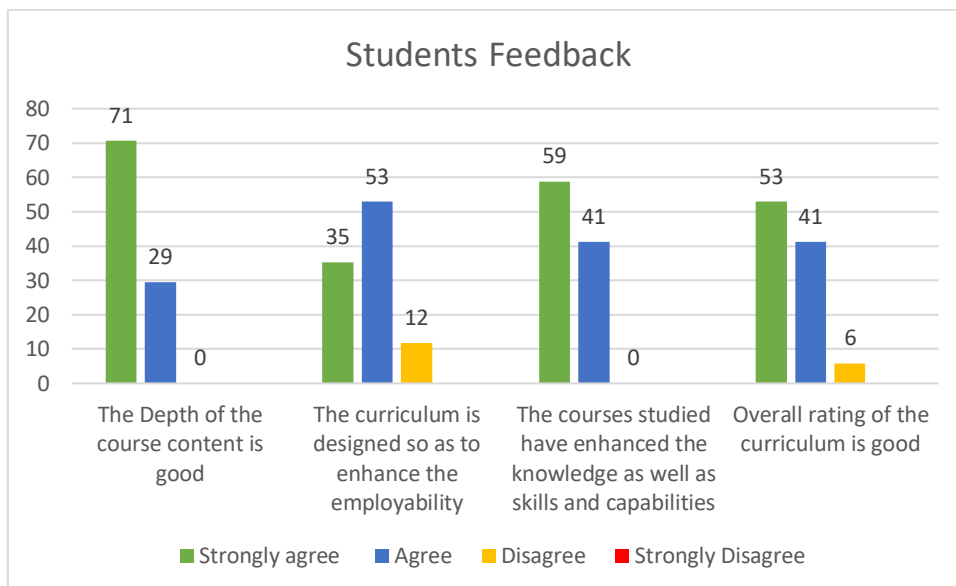
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Stakeholders' feedback and suggestions received for the academic year 2016-17

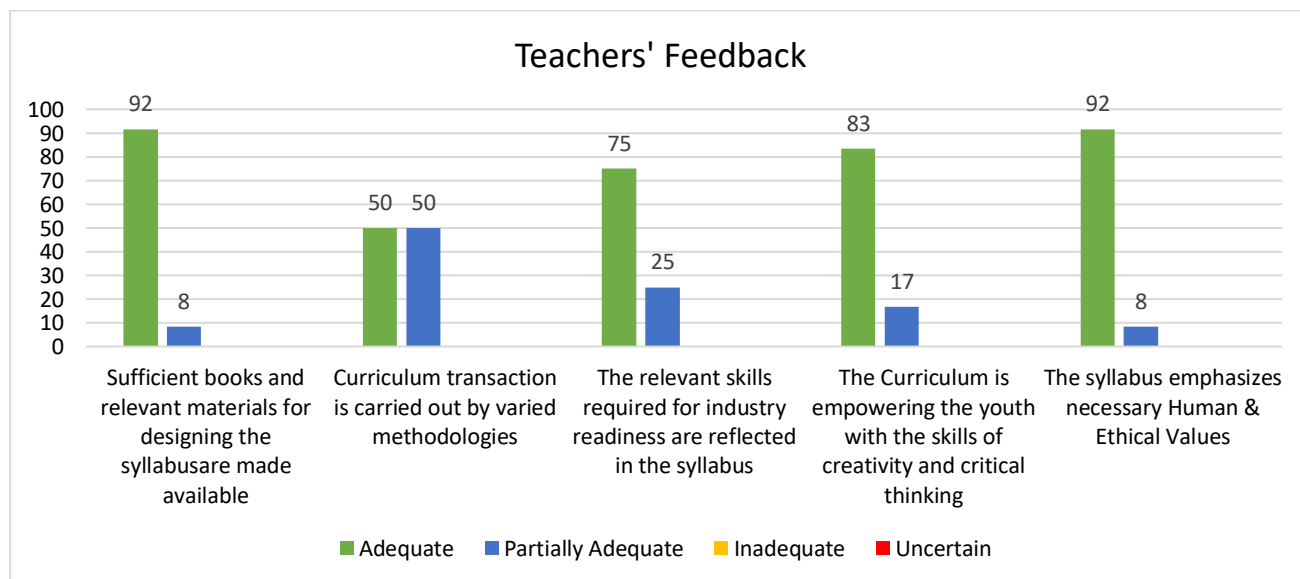
Students' feedback:



Suggestions:

- Job related courses may be provided.
- Industrial visits may be added as a course.

Teachers' Feedback:



Availability of books and materials:

Most of the faculty members felt thatadequate resources are available.

Methods applied to Curriculum transaction:

Fifty percent of the faculty members acceptedthat the teaching methods used for curriculum transactions are partially adequate. Others suggested to implement new methods and strategies for curriculum transaction.

Development of Skills of creativity and critical thinking:

Most of the faculty members perceived that the creativity and critical thinking skills are adequately present in the curriculum.

Integration of Human and Ethical Values:

Most of the faculty membersaccepted that the integration of human and ethical values is sufficient in the existing curriculum.

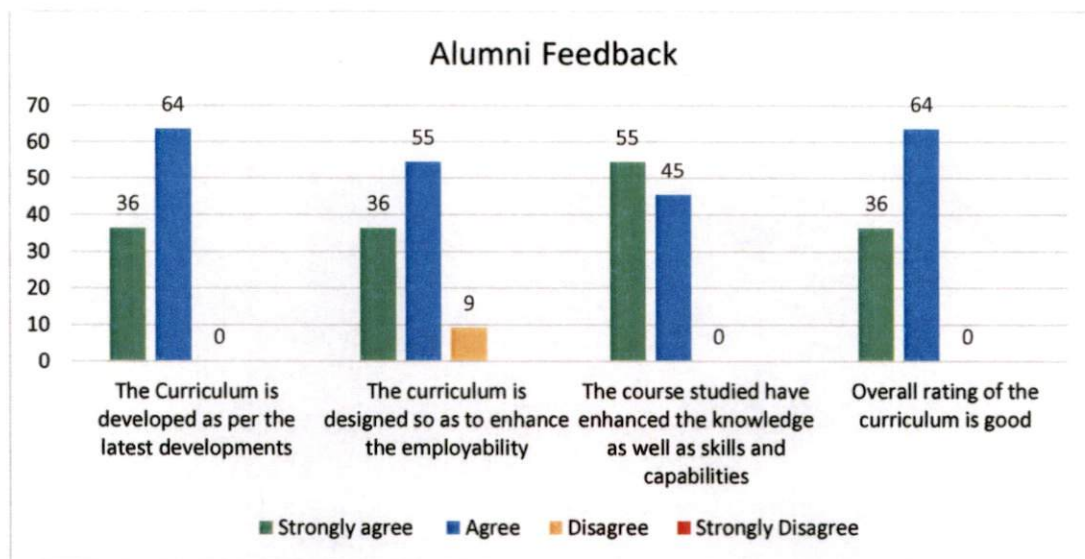
Theory and Practical:

Most of the faculty members agreed that the proportionate weightage has been given to theory and practical.

Suggestions for Curriculum Enrichment:

- The course “medicinal chemistry” may be enriched.
- “Nanoscience and Green chemistry” course may be introduced as elective course.
- “Computational Chemistry” coursemay be offered.

Alumni Feedback:



Suggestions:

- UG Programme: Provide training on competitive examinations.
- PG programme: More elective courses may be incorporated.

HoD of Chemistry

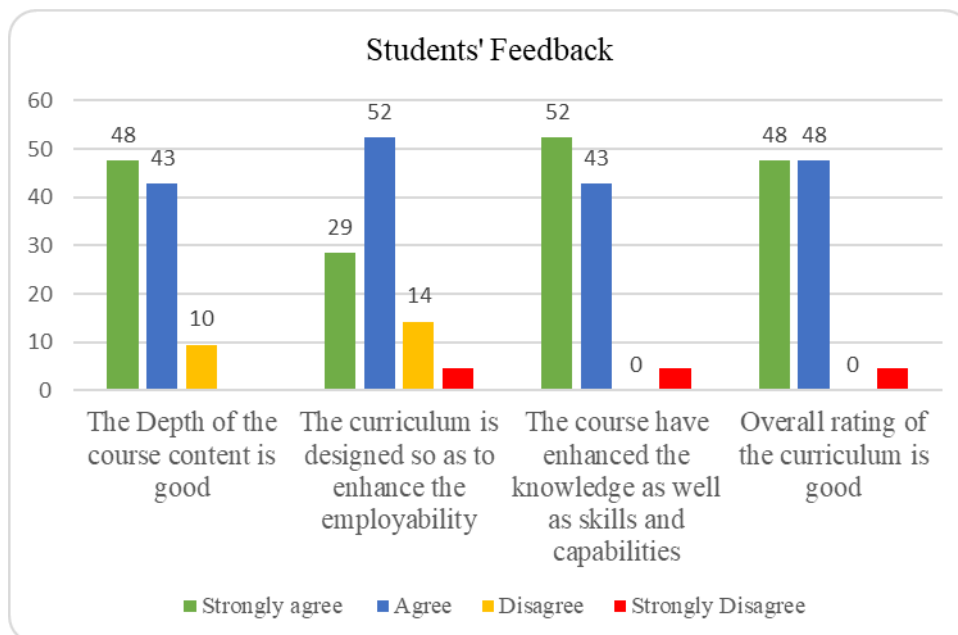
Dr. A. CHANDRAMOHAN

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Department of Chemistry
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Stakeholders' feedback and suggestions received for the academic year 2015-16

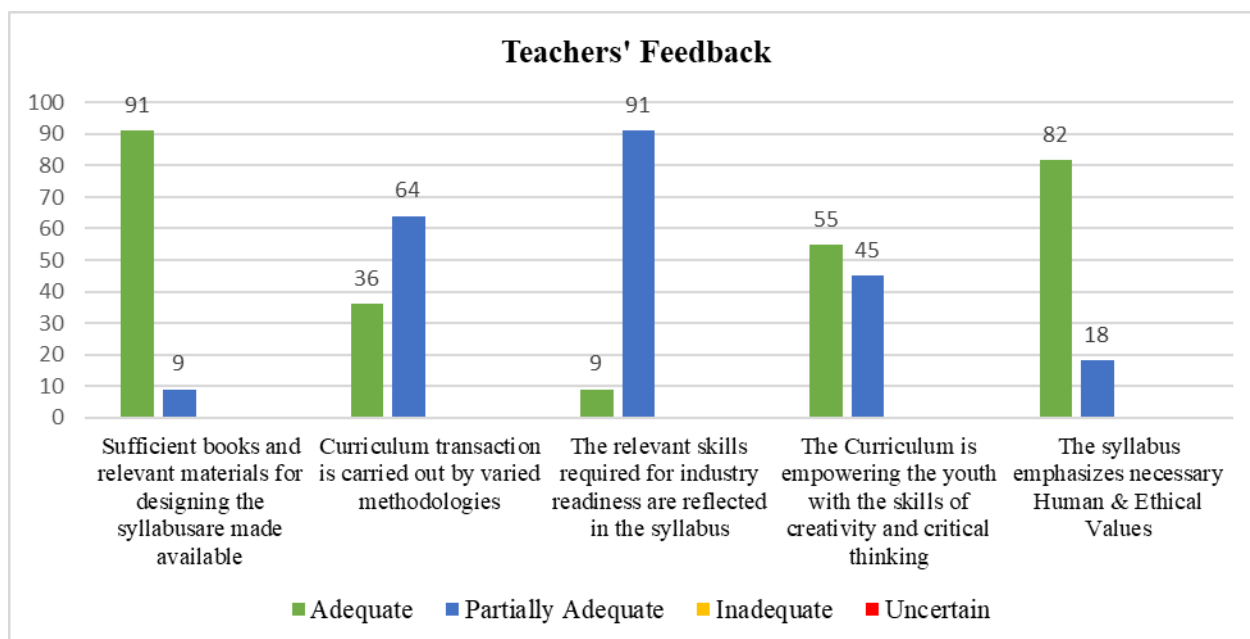
Students' feedback:



Suggestions:

- Industrial visits in curriculum may be included.
- Provisions for more number of courses to enhance job opportunities.

Teachers' Feedback:



Availability of books and materials:

Most of the faculty members agreed with the fact that the resources are adequately available for the existing programmes offered in the department.

Methods applied to Curriculum transaction:

About thirty six percentage of the faculty members indicated that the teaching methods used for curriculum transaction are adequate. Others suggested to implement new methods and strategies for curriculum transaction.

Preparedness for career placement:

Most of the faculty members felt that the relevant skills required for industry readiness are partially existing in the curriculum. Others recommended to strengthen the curriculum with industrial requirements.

Development of Skills of creativity and critical thinking:

Fifty-five percent of the faculty members referred that skills of creativity and critical thinking are adequately present in the curriculum. Others suggested to enrich the curriculum content with skills of creativity and critical thinking.

Integration of Human and Ethical Values:

Most of the faculty members felt that the integration of human and ethical values are existing in the curriculum.

Theory and Practical:

Most of the faculty members felt that proportionate weightage has been given to both theory and practical.

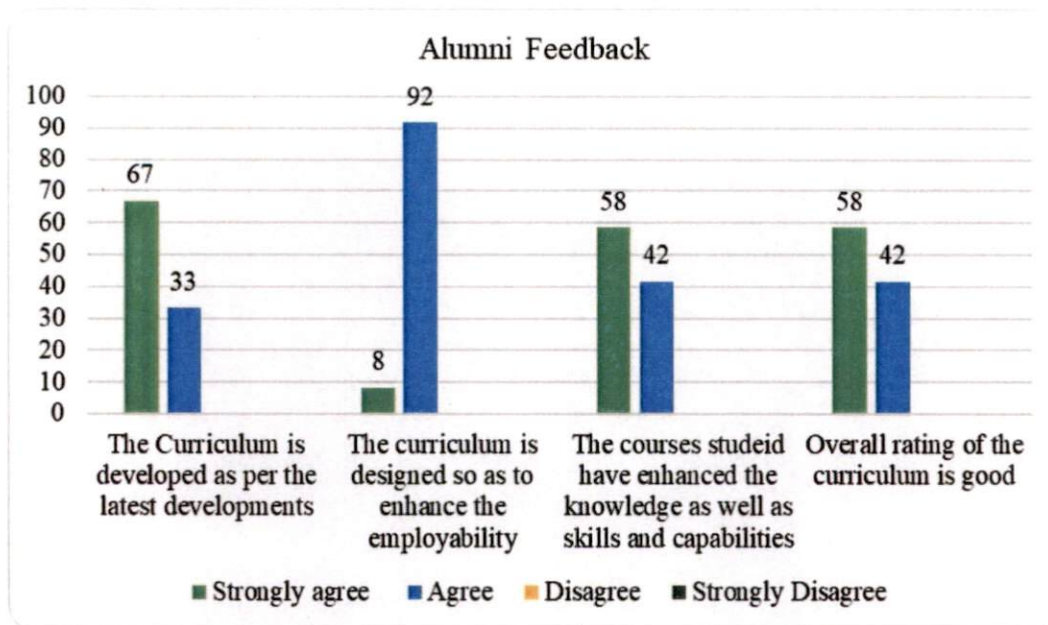
Need for instilling flexibility in curriculum:

Most of the faculty members acknowledged that the flexibility is available in the existing curriculum.

Suggestions for Curriculum Enrichment:

- More number of value-added courses may be introduced to enhance employability.
- The course “spectroscopy” (UG) is to be enriched.
- A self-study core course “Basic Concepts in Chemistry” may be introduced for UG students to enhance the creativity and critical thinking.

Alumni Feedback:



Suggestions:

- Provisions for preparedness on competitive examinations in chemistry.
- More elective courses may be incorporated.

HoD of Chemistry *Dr. Alm*

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Principal *Dr. U.B.*
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