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Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with 'A++' Grade by NAAC, Recognised by UGC u/s 12B
Coimbatore 641 043, Tamil Nadu, India

Department of Chemistry
Minutes of Board of Studies in Chemistry held on 07.10.2023 at 11.00 am

Internal Members:

- | | |
|-------------------------------|-------------|
| 1. Dr. R. Saratha | Chairperson |
| 2. Dr. Shubashini K. Sripathi | Member |
| 3. Dr. P. Lalitha | Member |
| 4. Dr. A. Prithiba | Member |
| 5. Dr. M. Amutha Selvi | Member |

External Members:

- | | |
|---|--------------------------|
| 1. Dr. B. China Raju | Academic Expert |
| Senior Principal Scientist & Head
Department of Natural Products & Medicinal Chemistry
CSIR-IICT, Hyderabad | |
| 2. Dr. D. Kalpana | Industrial Expert |
| Assistant Director,
WAFE Auxiliary Chemicals Pvt.Ltd.
Kurukkampalayam, Coimbatore | |

Invited Members

- | | |
|------------------------|-----------------------------|
| 1. Dr. M. Gowri | Faculty Member |
| 2. Dr. A. Akila | Faculty Member |
| 3. Dr. K. S. Neethu | Faculty Member |
| 4. Ms. Elavarasi M. | Alumna Representative |
| 5. Ms. Uvashree C | Student Representative - PG |
| 6. Ms. Sweta Thamatoor | Student Representative - UG |

Agenda and Resolutions

Agenda 1: Passing the syllabi of Specialisation papers applicable for Ph.D. scholars admitted during July, 2023

Not applicable as there are no fresher research scholars in this semester

Agenda 2: Passing the syllabi with the inclusion of CO-PO mapping and matrix for V and VI semesters, applicable for Undergraduate students admitted from the academic year 2023 - 2024 & onwards.

According to the Undergraduate curriculum framework as per LOCF framed for B.Sc. Chemistry programme for students admitted from the academic year 2023 - 2024 & onwards and in continuum of the syllabi approved for the first four semesters approved earlier (BoS-April 2023), the members of the Board of Studies in Chemistry deliberated on the syllabi framed and CO-PO mapping and matrix for V and VI semesters.

Based on the curricular framework stipulated by the Institutional Academic Model- I and in adherence to the LOCF-based NEP 2020 syllabi, the syllabi for **12 Discipline Specific Core courses and 12 Discipline Specific Elective courses** of B.Sc. Chemistry programme was framed **with minor deletions and inclusions.**

- Wherever necessary the syllabus content was elaborated and the concurrence of content of practical with theory for each course paper was verified.
- For the Discipline Specific Elective course paper **23BCHDE8 titled Nuclear and Radiation Chemistry** – the in-built practical content was modified to include virtual learning, as the suggestive list of experiments in NEP syllabus did not provide practical suitability for undergraduate students to perform in the academic laboratories.
- For the Discipline Specific Elective course paper **23BCHDE11 titled Biomolecules**, two Units on carbohydrates were incorporated as the syllabi required sufficient content on Natural products Chemistry.

Based on the deliberations and the suggestions of the external experts and the internal members, the Board recommended the syllabi and CO-PO mapping and matrix for V and VI semesters, applicable for **students of B.Sc. Chemistry programme** admitted from the academic year 2023 - 2024 & onwards (**ANNEXURE I**).

Agenda 3: Scheme and the syllabi from 2nd to 4th semester for B.Com. with minor specialisation programmes

Not applicable

Agenda 4: Incorporating Indian Knowledge System by certain departments in our Undergraduate/Postgraduate curriculum following the Agenda 45 of the 44th Academic Council meeting

In 23BCHC07- Inorganic Chemistry II core paper, aspects related to metal extraction based on Indian Knowledge system were incorporated in Unit I

Agenda 5: Submission of list of Subject experts for Screening & Selection Committee, for Practical Examination, Question Paper Setting and Paper Valuation.

The list of Subject experts for Screening & Selection Committee, for Practical Examination, Question Paper Setting and Paper Valuation is approved by the Board (**ANNEXURE II**).

Any other:

- The revised curriculum framework of Model I of the Institute was approved by the Board members. (Skill Enhancement Courses and Professional Development Course to be considered as Part IV component)
- The Board approved minor revisions in the syllabi of I to IV semesters, applicable for Undergraduate students admitted from the academic year 2023 - 2024 & onwards. (ANNEXURE III)
- The board recommended the eligibility criteria for B.Sc Chemistry course to be amended as "Pass in +2 with Chemistry as one of the subjects" instead of "Pass in +2 Science Group with Mathematics"
- The list of Industries for Internship for Undergraduate and Postgraduate Chemistry course was approved by the Board (ANNEXURE IV) from the academic year 2023-24 onwards
- The II PG students put forth a recommendation to the board to shift two courses in the III semester to I or IV semester as they deemed it difficult for them to learn 9 courses in the III semester. The Board accepted their request and recommends for possible modifications in the forthcoming BOS.
- The Board recommended offering certificate courses related to Artificial Intelligence in future.

Members Present

1. Dr B. China Raju, Academic Expert
2. Dr. D. Kalpana, Industrial Expert
3. Dr. R. Saratha, Professor and Head
4. Dr. Shubashini K.Sripathi, Professor
5. Dr. P. Lalitha, Professor
6. Dr. M. Gowri, Asst.Prof SG
7. Dr. A.Prithiba, Asst.Prof SS
8. Dr. M. Amutha Selvi, Asst.Prof SS
9. Dr. A. Akila, Asst. Prof.
10. Dr. Neethu, Asst. Prof
11. Ms. Elavarasi M. Alumna Representative
12. Ms. Uvashree C Student Representative - PG
13. Ms.Sweta Thamatoor Student Representative - UG

Signature














