



Board of Studies –Academic Year 2023-24

Date: 21-03-2024

Department of: **CHEMISTRY**

Minutes of the Meeting

The Department of **CHEMISTRY** has conducted the Board of Studies meeting for the Academic year 2024 - 2025 on 21-03-2024 at 10.00 AM.

The meeting constituted the following members:

Sl. No	Name and Designation of the BOS Members	
1.	Dr. K. Premalatha. Associate Professor & Head, Department of Chemistry, DDGD Vaishnav College, Chennai -106	Chairperson (HOD)
2.	Dr. B. Muthuraman, Assistant Professor & Head i/c Department of Energy, University of Madras, Guindy Campus, Chennai 600 025	University Nominee
3.	Dr.A. Karthikeyani, Associate Professor, Department of Chemistry Guru Nanak College, Chennai	Subject Expert 1 ❖
4.	Dr. J. Arokya Selvi, Associate Professor, Department of Chemistry, College of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur	Subject Expert 2 ❖ (outside the Parent University)
5.	Mr. Varadharajan.S, Assistant General Manager - Analytical Development apex laboratories private limited- R&D centre	Industry/Corporate Expert
6.	Ms. J. Sushmitha, Junior Executive, Straive, Chennai.	Alumni
7.	M. Vanjinathan, Associate Professor Department of Chemistry, DDGD Vaishnav College, Chennai -106	Senior Internal Faculty

Internal Faculty Members:

1. Dr. R. Kumaran	Associate Professor
2. Mr. A. Gopalakrishnan	Assistant Professor
3. Dr. T. Augustine Arul Prasad	Associate Professor
4. M. Vanjinathan	Associate Professor
5. Dr. R. Vasanthi	Assistant Professor
6. Mr. V. Rajagopalan	Assistant Professor
7. Dr. N. Vidhyalakshmi	Assistant Professor
8. Dr. A. Naresh Raj	Assistant Professor
9. Dr. C. Kavitha	Assistant Professor
10. Dr. R. Mythily	Assistant Professor
11. Dr. Tamildurai	Assistant Professor
12. Dr. A. Vijaya Raj	Assistant Professor
13. Dr. V. Shyamala Devi	Assistant Professor
14. Ms. K. Kavitha	Assistant Professor

The Board Passed the Resolution to Incorporate the following modifications in the Syllabus effective from the Academic Year 2022-2023 onwards.

FOR B.Sc.

Semester 1: (Applicable for the Candidates Admitted from the Academic Year 2022-2023)

A. Revision in Syllabus (Theory & Practical) – Mention Addition/Deletion of the Content with Justification* for the same.

NIL

B. Introduction of New Courses- Mention the New Courses Introduced for the Semester, the Category under which Introduced (For Example: Employability, Skill Enhancement, Entrepreneurship, Open Elective, Extra disciplinary, etc.) with Justification*

NIL

B. Introduction of Value Added Courses- mention the Name of the Value Added Course, Number of Hours, credits, method of Assessment and the agency with whom MOU has been signed for the same.

NIL

D. Project /Internship/Field work/Industrial Visit - Mention the nature of Project/Internship/ Field work/Industrial Visit Number of Days, Credits, Method of Assessment, Distribution of Marks (CIA & ESE)

NIL

E. Revision in Syllabus and or introduction of New Courses for Allied Papers/Open elective/NME offered to Other Departments.

NIL

F. Any other Changes (relating to ratio of distribution of marks between theory & Problems), Shifting of Courses between Semesters.

NIL

Semester 2: (Applicable for the Candidates Admitted from the Academic Year 2022-2023)

A. Revision in Syllabus (Theory & Practical) – Mention Addition/Deletion of the Content with Justification* for the same.

NIL

B. Introduction of New Courses- Mention the New Courses Introduced for the Semester, the Category under which Introduced (For Example: Employability, Skill Enhancement, Entrepreneurship, Open Elective, Extra disciplinary, etc.) with Justification*

NIL

C. Introduction of Value Added Courses- mention the Name of the Value Added Course, Number of Hours, credits, method of Assessment and the agency with whom MOU has been Signed for the same.

NIL

D. Project /Internship/Field work/Industrial Visit - Mention the nature of Project/Internship/ Field work/Industrial Visit Number of Days, Credits, Method of Assessment, Distribution of Marks (CIA & ESE)

NIL

E. Revision in Syllabus and or introduction of New Courses for Allied Papers/Open elective/NME offered to Other Departments.

NIL

F. Any other Changes (relating to ratio of distribution of marks between theory & Problems) , Shifting of Courses between Semesters.

NIL

Semester 3: (Applicable for the Candidates Admitted from the Academic Year 2022-2023)

A. Revision in Syllabus (Theory & Practical) – Mention Addition/Deletion of the Content with Justification* for the same.

NIL

B. Introduction of New Courses- Mention the New Courses Introduced for the Semester, the Category under which Introduced (For Example: Employability, Skill Enhancement, Entrepreneurship, Open Elective, Extra disciplinary, etc.) with Justification*

NIL

C. Introduction of Value Added Courses- mention the Name of the Value Added Course, Number of Hours, credits, method of Assessment and the agency with whom MOU has been Signed for the same.

NIL

D. Project /Internship/Field work/Industrial Visit - Mention the nature of Project/Internship/ Field work/Industrial Visit Number of Days, Credits, Method of Assessment, Distribution of Marks (CIA & ESE)

NIL

E. Revision in Syllabus and or introduction of New Courses for Allied Papers/Open elective/NME offered to Other Departments.

NIL

a. Revision in Syllabus -Mention the Name of the Course, departments to which offered,addition/deletion in Syllabus,credits with Jusification*.

b. Introduction of New Courses -Mention the Name of the Course, departments to which offered,credits with Jusification*.

F. Any other Changes (relating to ratio of distribution of marks between theory & Problems) , Shifting of Courses between Semesters.

NIL

Semester 4: (Applicable for the Candidates Admitted from the Academic Year (2022-2023))

A. Revision in Syllabus (Theory & Practical) – Mention Addition/Deletion of the Content with Justification* for the same.

NIL

B. Introduction of New Courses- Mention the New Courses Introduced for the Semester, the Category under which Introduced (For Example: Employability, Skill Enhancement, Entrepreneurship, Open Elective, Extra disciplinary, etc.) with Justification*

NIL

C. Introduction of Value Added Courses- mention the Name of the Value Added Course, Number of Hours, credits, method of Assessment and the agency with whom MOU has been Signed for the same.

NIL

D. Project /Internship/Field work/Industrial Visit - Mention the nature of Project/Internship/ Field work/Industrial Visit Number of Days, Credits, Method of Assessment, Distribution of Marks (CIA & ESE)

NIL

E. Revision in Syllabus and or introduction of New Courses for Allied Papers/Open elective/NME offered to Other Departments.

NIL

F. Any other Changes (relating to ratio of distribution of marks between theory & Problems) , Shifting of Courses between Semesters.

NIL

Semester 5: (Applicable for the Candidates Admitted from the Academic Year (2022-2023))

A. Revision in Syllabus (Theory & Practical) – Mention Addition/Deletion of the Content with Justification* for the same.

NIL

B. Introduction of New Courses- Mention the New Courses Introduced for the Semester, the Category under which Introduced (For Example: Employability, Skill Enhancement, Entrepreneurship, Open Elective, Extra disciplinary, etc.) with Justification*

Core Paper - Polymer Chemistry (**industrially important course—as per SEP- to increase the job opportunities*)

(*04 Credits course is introduced in order to match the credit changes due to the implementation of semester wise practical course) (5 hours per week)

C. Introduction of Value Added Courses- mention the Name of the Value Added Course, Number of Hours, credits, method of Assessment and the agency with whom MOU has been Signed for the same.

NIL

D. Project /Internship/Field work/Industrial Visit - Mention the nature of Project/Internship/ Field work/Industrial Visit Number of Days, Credits, Method of Assessment, Distribution of Marks (CIA & ESE)

NIL

E. Revision in Syllabus and or introduction of New Courses for Allied Papers/Open elective/NME offered to Other Departments.

NIL

a. Revision in Syllabus -Mention the Name of the Course, departments to which offered,addition/deletion in Syllabus,credits with Jusification*.

b. Introduction of New Courses -Mention the Name of the Course, departments to which offered,credits with Jusification*.

F. Any other Changes (relating to ratio of distribution of marks between theory & Problems), Shifting of Courses between Semesters.

NIL

Semester 6: (Applicable for the Candidates Admitted from the Academic Year (2022-2023))

A. Revision in Syllabus (Theory & Practical) – Mention Addition/Deletion of the Content with Justification* for the same.

NIL

B. Introduction of New Courses- Mention the New Courses Introduced for the Semester, the Category under which Introduced (For Example: Employability, Skill Enhancement, Entrepreneurship, Open Elective, Extra disciplinary, etc.) with Justification*

1. Core Paper – Electroanalytical Chemistry Practical (**to get good exposure on instruments such as photo-catalytic reactor and to improve hands on training for industrially important experiments at UG level*) Credits: 03 Hours: 3 hours per week

(*03 Credits course is introduced in order to match the credit changes due to the implementation of semester wise practical course)

C. Introduction of Value Added Courses- mention the Name of the Value Added Course, Number of Hours, credits, method of Assessment and the agency with whom MOU has been Signed for the same.

NIL

E. Project /Internship/Field work/Industrial Visit - Mention the nature of Project/Internship/ Field work/Industrial Visit Number of Days, Credits, Method of Assessment, Distribution of Marks (CIA & ESE)

NIL

F. Revision in Syllabus and or introduction of New Courses for Allied Papers/Open elective/NME offered to Other Departments.

NIL

a. Revision in Syllabus -Mention the Name of the Course, departments to which offered,addition/deletion in Syllabus,credits with Jusification*.

b. Introduction of New Courses -Mention the Name of the Course, departments to which offered,credits with Jusification*.

F. Any other Changes (relating to ratio of distribution of marks between theory & Problems), Shifting of Courses between Semesters.

NIL

Percentage of revision carried out in the B.Sc. Syllabus for the Academic year

2024-2025=10%

FOR M.Sc.

Semester 1: (Applicable for the Candidates Admitted from the Academic Year 2022-2023)

C. Revision in Syllabus (Theory & Practical) – Mention Addition/Deletion of the Content with Justification* for the same.

NIL

B. Introduction of New Courses- Mention the New Courses Introduced for the Semester, the Category under which Introduced (For Example: Employability, Skill Enhancement, Entrepreneurship, Open Elective, Extra disciplinary, etc.) with Justification*

NIL

C. Introduction of Value Added Courses- mention the Name of the Value Added Course, Number of Hours, credits, method of Assessment and the agency with whom MOU has been Signed for the same.

NIL

D. Project /Internship/Field work/Industrial Visit - Mention the nature of Project/Internship/ Field work/Industrial Visit Number of Days, Credits, Method of Assessment, Distribution of Marks (CIA & ESE)

NIL

E. Revision in Syllabus and or introduction of New Courses for Allied Papers/Open elective/NME offered to Other Departments.

NIL

Course Title: Core IV - Practical I -Organic Chemistry-I

* Credits: 03 Five hours per week. Revised as per SEP

a. Revision in Syllabus -Mention the Name of the Course, departments to which offered,addition/deletion in Syllabus,credits with Jusification*.

b. Introduction of New Courses -Mention the Name of the Course, departments to which offered,credits with Jusification*.

F. Any other Changes (relating to ratio of distribution of marks between theory & Problems), Shifting of Courses between Semesters.

NIL

Semester 2: (Applicable for the Candidates Admitted from the Academic Year 2022-2023)

B. Revision in Syllabus (Theory & Practical) – Mention Addition/Deletion of the Content with Justification* for the same.

NIL

C. Introduction of New Courses- Mention the New Courses Introduced for the Semester, the Category under which Introduced (For Example: Employability, Skill Enhancement, Entrepreneurship, Open Elective, Extra disciplinary, etc.) with Justification

Soft Skills II Course Name: Skills for Career Growth

* * Credits: 02, two hours per week To facilitate the students going abroad for research –in order to clear GRE and IELTS examinations.

C. Introduction of Value Added Courses- mention the Name of the Value Added Course, Number of Hours, credits, method of Assessment and the agency with whom MOU has been Signed for the same.

NIL

D. Project /Internship/Field work/Industrial Visit - Mention the nature of Project/Internship/ Field work/Industrial Visit Number of Days, Credits, Method of Assessment, Distribution of Marks (CIA & ESE)

NIL

E. Revision in Syllabus and or introduction of New Courses for Allied Papers/Open elective/NME offered to Other Departments.

Revision:

1. Elective II–Employability Course: Course Title: Modern Instrumentation Techniques

Replacement of Unit V Magnetic properties by Instrumentation Techniques in Plastics Manufacturing

Reason: To improve the insights of industrial requirements-aiding job opportunities.

Credits: 02; Theory Hours: 3 Hrs Per Week:

2. Course Title: Core – X - Practicals-IV Organic Chemistry-II

* Credits: 03 Five hours per week. Revised as per SEP

a. Revision in Syllabus -Mention the Name of the Course, departments to which offered,addition/deletion in Syllabus,credits with Jusification*.

b. Introduction of New Courses -Mention the Name of the Course, departments to which offered,credits with Jusification*.

F. Any other Changes (relating to ratio of distribution of marks between theory & Problems), Shifting of Courses between Semesters.

NIL

Semester 3: (Applicable for the Candidates Admitted from the Academic Year 2022-2023)

B. Revision in Syllabus (Theory & Practical) – Mention Addition/Deletion of the Content with Justification* for the same.

NIL

C. Introduction of New Courses- Mention the New Courses Introduced for the Semester, the Category under which Introduced (For Example: Employability, Skill Enhancement, Entrepreneurship, Open Elective, Extra disciplinary, etc.) with Justification*

NIL

D. C. Introduction of Value Added Courses- mention the Name of the Value Added Course, Number of Hours, credits, method of Assessment and the agency with whom MOU has been Signed for the same.

NIL

D. Project /Internship/Field work/Industrial Visit - Mention the nature of Project/Internship/ Field work/Industrial Visit Number of Days, Credits, Method of Assessment, Distribution of Marks (CIA & ESE)

NIL

E. Revision in Syllabus and or introduction of New Courses for Allied Papers/Open elective/NME offered to Other Departments.

NIL

a. Revision in Syllabus -Mention the Name of the Course, departments to which offered,addition/deletion in Syllabus,credits with Jusification*.

b. Introduction of New Courses -Mention the Name of the Course, departments to which offered,credits with Jusification*.

F. Any other Changes (relating to ratio of distribution of marks between theory & Problems), Shifting of Courses between Semesters.

NIL

Semester 4: (Applicable for the Candidates Admitted from the Academic Year 2022-2023)

B. Revision in Syllabus (Theory & Practical) – Mention Addition/Deletion of the Content with Justification* for the same.

NIL

C. Introduction of New Courses- Mention the New Courses Introduced for the Semester, the Category under which Introduced (For Example: Employability, Skill Enhancement, Entrepreneurship, Open Elective, Extra disciplinary, etc.) with Justification*

NIL

C. Introduction of Value Added Courses- mention the Name of the Value Added Course, Number of Hours, credits, method of Assessment and the agency with whom MOU has been Signed for the same.

NIL

D. Project /Internship/Field work/Industrial Visit - Mention the nature of Project/Internship/ Field work/Industrial Visit Number of Days, Credits, Method of Assessment, Distribution of Marks (CIA & ESE)

NIL

E. Revision in Syllabus and or introduction of New Courses for Allied Papers/Open elective/NME offered to Other Departments.

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a. Revision in Syllabus -Mention the Name of the Course, departments to which offered,addition/deletion in Syllabus,credits with Jusification*.

b. Introduction of New Courses -Mention the Name of the Course, departments to which offered,credits with Jusification*.

F. Any other Changes (relating to ratio of distribution of marks between theory & Problems) , Shifting of Courses between Semesters. NIL

Percentage of revision carried out in the M. Sc. Syllabus for the Academic year 2023-2024 =
12%

Formula to Calculate Percentage of Revision:

No. of. Units in which Syllabus Revision has been incorporated in all courses
of the Programme

x 100

Total No. of. Units in all Courses of the Programme

Please Note:

- **For New Courses Introduced –No.of. Units in which Syllabus revision has been incorporated can be counted as 5.**

- * **Justification can be in the form of Feedback received from Stakeholders.**

- **For Semesters in which no Change has been carried out it may be mentioned as NIL**

- ❖ **Deemed Universities can be considered**

Sl. No	Name and Designation	BOS Members	Signature
1.	Dr. K. Premalatha. Associate Professor & Head, Department of Chemistry, DDGD, Vaishnav College, Chennai -106	Chairperson (HOD)	
2.	Dr. B. Muthuraman, Assistant Professor & Head i/c Department of Energy, University of Madras, Guindy Campus, Chennai 600 025	University Nominee	
3.	Dr.A. Karthikeyani, Associate Professor, Department of Chemistry, Guru Nanak College, Chennai	Subject Expert 1	
4.	Dr. J. Arokya Selvi, Associate Professor, Department of Chemistry, College of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur	Subject Expert 2 (outside from the parent University)	
5.	Mr. Varadharajan.S, Assistant General Manager - Analytical Development, apex laboratories private limited- R&D center	Industry Expert	
6.	Ms. J. Sushmitha, Junior Executive, Straive, Chennai.	Alumnus	
7.	Dr. R. Kumaran, Associate Professor	Internal Faculty	
8	Mr. A. Gopalakrishnan, Assistant Professor	Internal Faculty	
9	Dr. T. Augustine Arul Prasad, Associate Professor	Internal Faculty	
10	M. Vanjinathan, Associate Professor	Internal Faculty	
11	Dr. R. Vasanthi, Assistant Professor	Internal Faculty	
12	Mr. V. Rajagopalan, Assistant Professor	Internal Faculty	
13	Dr. N. Vidhyalakshmi, Assistant Professor	Internal Faculty	
14	Dr. A. Naresh Raj, Assistant Professor	Internal Faculty	
15	Dr. C. Kavitha, Assistant Professor	Internal Faculty	
15	Dr. R. Mythily, Assistant Professor	Internal Faculty	
17	Dr. Tamildurai, Assistant Professor	Internal Faculty	
18	Dr. A. Vijaya Raj, Assistant Professor	Internal Faculty	
19	Dr. V. Shyamala Devi,	Internal Faculty	

	Assistant Professor		
20	Ms. K. Kavitha, Assistant Professor	Internal Faculty	

BOS Chairperson

Academic Council-
Member Secretary

Principal