

**Scott Christian College (Autonomous)**  
**Nagercoil – 629003**



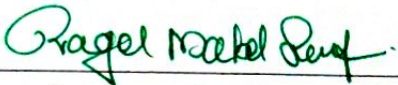
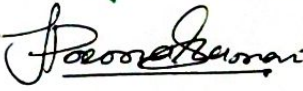





**Board of Studies – July 2025**  
**Department of Chemistry**


*Ragel Mabel Senija*  
**Head of the Department**  
Dr. R. RAGEL MABEL SAROJA, Ph.D.  
HEAD  
Department of Chemistry & Research Centre  
Scott Christian College (Autonomous)  
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*[Signature]*  
**Principal i/c**  
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**MINUTES OF THE 21<sup>th</sup> MEETING OF THE BOARD OF STUDIES OF  
THE CHEMISTRY DEPARTMENT HELD ON 28<sup>th</sup> June, 2025**

The 21<sup>th</sup> Meeting of the Board of Studies (BOS) of the Chemistry Department was held on 28<sup>th</sup> June, 2025 in which the following members were present:

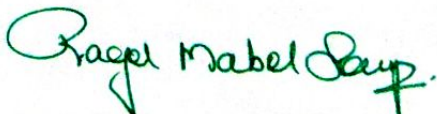
1.	Dr. R. Ragel Mabel Saroja	Head of the Department - Chairperson 
2.	Dr. J. Prema Kumari	
3.	Dr. S. Begila David	
4.	Dr. A. Malar Retna	
5.	Dr. T. Sumitha Celin	
6.	Dr. A. Yardily	
7.	Dr. A. Jeena Pearl	
8.	Dr. C. Anuba	
9.	Dr. R.D. Femitha	<u>R. D. Femitha</u>
10.	Dr. G.R. Bella	

  
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11.	Dr. R.S .Jeba Jeevitha	
12.	Dr. G. S. Prabha Littis Malar	
13.	Dr. T.S. Abbs Fenn Reji Associate Professor of Chemistry, Nesamony Memorial Christian College, Marthandam - 629165	Subject expert – ( VC Nominee) 
14.	Dr. J. Helen Retna Monica Associate Professor of Chemistry The American College (Autonomous) Madurai - 625002	Subject expert – 1
15.	Dr. A. Siva Associate Professor of Inorganic Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai-625021.	Subject expert - 2 
16.	Mr. Praveen Mathew Director, Kurian Abraham Pvt Ltd - Nagercoil-629003	Representative (from industry / corporate / sector / allied relating to placement)
17.	Mr. A. Bebin Junior Research Fellow, CSIR-CECRI Karaikudi -630006	Postgraduate meritorious alumnus

  
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**MINUTES OF THE 21<sup>st</sup> MEETING OF THE BOARD OF STUDIES OF THE  
CHEMISTRY DEPARTMENT HELD ON 28<sup>th</sup> June 2025**

The meeting of the Board of Studies of the Chemistry Department was held on **28<sup>th</sup> June 2025** at 10 a.m in the Department of Chemistry. In the beginning, the Chairperson introduced and welcomed the members. The following agendas were taken up for discussion.

Minute No	Minutes
1.	<p><b>Confirmation of the Minutes of the 20<sup>th</sup> BoS meeting held on 9<sup>th</sup> December 2023</b></p> <p>The Chairperson Dr.R.Ragel Mabel Saroja read the minutes of the BoS meeting and it was confirmed.</p>
2.	<p><b>Action Taken Report on the Minutes of the previous BoS meeting</b></p> <p>The Chairperson presented the action taken report of the previous BoS</p> <ul style="list-style-type: none"><li>• Questions are set in accordance with the understanding level of the students.</li></ul> <p>The members of the BoS carefully perused the actions taken by the Chairperson and expressed their satisfaction and appreciation.</p>
3.	<p><b>Review of Feedback Report on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni</b></p> <p>The members of the BoS carefully reviewed the Feedback Report received from the stakeholders and proposed the following action to be taken in the curriculum.</p> <ul style="list-style-type: none"><li>• As per the suggestion of Dr. T.S. Abbs Fenn Reji, it was decided to reduce the UG (Semester V) course content of Physical Chemistry-I (23GC51) by deleting module 5.9 in unit V from 2025 onwards.</li><li>• Upon result analysis the members recommended to conduct remedial classes for the slow learners and advanced learners to be identified and motivated for competitive examinations.</li></ul>

  
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4.

**Suggestions proposed for PG Curriculum (2026 onwards):**

• **Core Lab course 1 23GCPI- 1**

1. Estimation of Ferrous sulphate using standard oxalic acid and Estimation of Zinc using EDTA to be included.
2. Estimation of Ferric alum using standard dichromate to be deleted.

• **23PC11- Organic Chemistry – I**

- 1.1 – Introduction of reaction intermediate to be included
- 2.5 – Diazonium coupling to be deleted
- 3.4 module to be deleted

• **23 PC21- Organic Chemistry - II**

- 1.4 - Reactivity: attacking reagents to be included
- 2.1 – Types of mechanisms to be included
- 5.2 –n-Bu<sub>3</sub>SnD to be replaced by n-Bu<sub>3</sub>Sn

• **23PC31-Organic Chemistry – III**

- 1.4 – Interpretation and applications of UV visible spectroscopy to be included
  - 1.6 – Finger print region to be included
  - 2.1 – Introduction – <sup>1</sup>H NMR to be included
  - 2.10 – TOF to be included
  - 4.3 – [2+2], [2+4] cyclo additions to be removed
  - 4.7 – group transfer reactions to be deleted
- **23PC12-Inorganic Chemistry-I**
- 1.1 –Hybridization (sp, sp<sup>2</sup>, sp<sup>3</sup>, sp<sup>3</sup>d, d<sup>2</sup>sp<sup>3</sup>) to be included.
  - 2.4 - Isopoly acids, heteropoly acids to be included in the types of polyacids

- 5.1 – Introduction about band theory to be added

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- **23PCEC -Electrochemistry**

4.3 – Reduction of  $\text{Fe}^{2+}$  to be replaced by  $\text{Fe}^{3+}$

- **23PC22- Physical Chemistry – I**

5.7 - Fluorescence emission and structure of dyes to be included

- **23PCEG-Bioinorganic Chemistry**

1.7 –Vitamin $\text{B}_{12}$  coenzymes to be included along with vitamin  $\text{B}_{12}$ .

- **23PC31 -Inorganic Chemistry – II**

1.2 – Term to be included along with Term symbols and Microstates ( $p^2$ ,  $d^2$ ,  $d^3$ )

2.8 - M.B spectral studies in iron compounds and tin compounds to be removed.

3.2 – Boron to be included along with phosphorous

- **23PC43 -Physical Chemistry – III**


5.10 – Characterization of dendrimers: IR, NMR, Mass spectroscopy to be included

5.11 –Medicinal applications of dendrimers to be included

The BoS meeting ended with the vote of thanks by the Member Secretary Dr.J.Prema Kumari at 2 p.m.



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