

**K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)**

**TIRUCHENGODE - 637215**

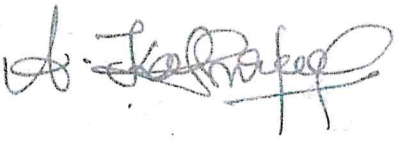
**DEPARTMENT OF CHEMISTRY**

**(Online Mode)**




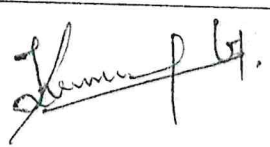
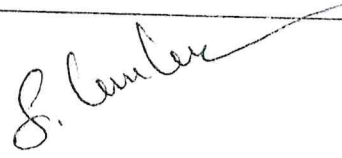
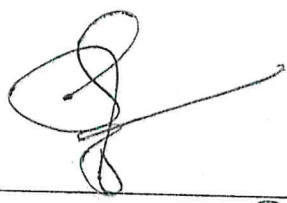
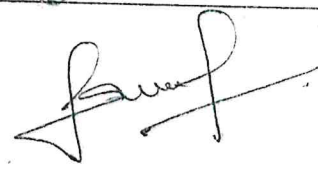

The board of studies for Chemistry (UG) is held on 23-05-2020 at the Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215, to approve the syllabus with effect from the academic year 2020-2021.

The syllabus for 2020-2021 has been thoroughly discussed and resolved that the programme structure for B.Sc., Chemistry is approved with effect from the academic year 2020-2021.

The suggestions given by members are given in Annexure-I.


S.No.	Name & Official Address	Signature
1	<b>Dr. P. Viswanathamurthi</b> Professor Department of Chemistry School of Physical Sciences Periyar University Salem – 636 011	Signature not required
2	<b>Dr. A. Muthusamy</b> Assistant Professor Department of Chemistry Sri Ramakrishna Mission Vidyalaya College of Arts and Science (Autonomous) Coimbatore - 641 020	Signature not required
3	<b>Dr. K. Balasubramani</b> Assistant Professor Department of Chemistry Government Arts College (Autonomous) Karur – 639005	Signature not required.
5	<b>Dr. A. Kathirvel</b> Assistant Professor & Head Department of Chemistry K.S.Rangasamy College of Arts & Science Tiruchengode – 637 215	

  
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6	<b>Dr. M. Ravikumar</b> Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science Tiruchengode - 637 215	
7	<b>Dr. A. Subhashri</b> Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode - 637215	
8	<b>Mr. M. Gayathri</b> Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode - 637215	
09	<b>Mr. G. Karthi</b> Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode - 637215	
10	<b>Ms. S. KalaiPriya</b> Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode - 637215	
11	<b>Mrs. S. Padma</b> Assistant Professor & Head Department of Computer Application K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode - 637215	
12	<b>Mr. S. Jagadeesan</b> Assistant Professor & Head (PG) Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode - 637215	
13	<b>Dr. G. Suresh Kumar</b> Assistant Professor and Head (PG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode - 637215	

  
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14	<b>Dr. M. Venkatesh</b> Assistant Professor and Head (UG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode - 637215	
15	<b>A.S. Pushpanathan</b> Head (Water treatment plant) Mahindra Water Utilities Ltd Indra Nagar Erode - 638 381	Signature not required
16	<b>S. Jayamurugan</b> Deputy Quality Controller Chemplast Shanmar Plant II Mettur Salem - 636403	Signature not required

  
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**K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS),**

**TIRUCHENGODE-637215**

**DEPARTMENT OF CHEMISTRY (UG & PG)**

**MEMBERS OF BOARD OF STUDIES (2020-2021)**

<b>Name and Address</b>	<b>Position</b>	<b>Nominated by</b>
<b>Dr.A.Kathirvel</b> Assistant Professor and Head, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215	Chairman	Principal
<b>Department Faculty</b>  <b>Mr. M.Ravikumar</b> Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215  <b>Ms. A.Subhashri</b> Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215  <b>Ms. M.Gayathri</b> Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215  <b>Ms. G.Karthi</b> Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215  <b>Ms. S.Kalaipriya</b> Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts	Members	Principal

  
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and Science (Autonomous), Tiruchengode 637215		
<b>Dr. A.Muthusamy</b> Assistant Professor Department of Chemistry Sri Ramakrishna Mission Vidyalaya College of Arts and Science (Autonomous) Coimbatore - 641 020.  <b>Dr.K.Balasubramani</b> Assistant Professor Department of Chemistry Govt. Arts & Science College (Autonomous) Karur - 639 005	Member	Academic Council
<b>Dr. P.Viswanathamurthi</b> Professor Department of Chemistry Periyar University Salem - 636 011	Member	Vice Chancellor
<b>Mr. A.S.Pushpanathan</b> Head (Water treatment Plant) Mahindra water Utilities Ltd Indhara Nagar Erode - 638 381	Member Representing Corporate/Industry	Academic Council
<b>Mr. S. Jayamurugan</b> Deputy Quality Controller Chemlast Shanmar Plant II Mettur Salem - 636 403	Member Meritorious Alumini	Principal
<b>Ms. S.Padma</b> Assistant Professor and Head, Department of Computer Applifications, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215  <b>Mr. S.Jagadeesan</b> Assistant Professor and Head, Department of Mathematics, K.S.Rangasamy College of Arts	Co-opted Members	Principal

  
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and Science (Autonomous), Tiruchengode 637215		
<b>Dr. G. Sureshkumar</b> Assistant Professor and Head, Department of Physics (PG), K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215		
<b>Dr. M.Venkatesh</b> Assistant Professor and Head, Department of Physics (UG), K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215		

  
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**Department of Chemistry**

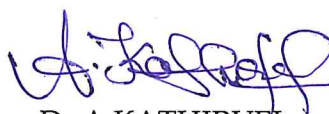
**BOS (2020-2021)**

**Suggestions and Revisions:**

The following revisions were made in B.Sc Chemistry for the third year  
(2020-2021) Syllabus.

Semester	Subject Name	Modifications
V	Core X: Analytical Chemistry	✓ Unit I has been changed ✓ 20% of the syllabus has been changed
V	Elective II: Spectroscopy II	✓ New subject has been introduced in order to develop problem solving ability of the students ✓ 100% of the syllabus has been changed
VI	Organic Chemistry II	✓ Oxycope rearrangement and cope rearrangement. has been included in Unit I ✓ Wolf Kishner reduction, MPV reduction and Rosenmund reduction, Cope rearrangement, Claisen condensation, Benzoin condensation and Perkin reaction are removed from Unit IV ✓ 10% of the syllabus has been changed
VI	Project and Viva-Voce Examination	✓ New subject has been introduced in order to know the basics of research and develop the analytical skills of the students ✓ 100% of the syllabus has been changed.
VI	Elective II : Bio-Inorganic Chemistry	✓ New subject has been introduced in order to fulfill job opportunities ✓ 100% of the syllabus has been changed.

  
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Dr.A.KATHIRVEL  
Chairman - BOS

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**Percentage of Syllabus Revision**


The following are the Percentage of syllabus revision in B.Sc Chemistry for the Third Year (2020-2021 ) Syllabus.

Subject Name and Code	Modifications	% of Change
Analytical Chemistry 18UCHM504	<ul style="list-style-type: none"> <li>✓ Unit I has been changed</li> <li>✓ 20% of the syllabus has been changed</li> </ul>	20%
Spectroscopy II 18UCHEL502	<ul style="list-style-type: none"> <li>✓ New subject has been introduced in order to develop problem solving ability of the students</li> <li>✓ 100% of the syllabus has been changed</li> </ul>	100%
Organic Chemistry II 18UCHM602	<ul style="list-style-type: none"> <li>✓ Oxycope rearrangement and cope rearrangement has been included in Unit I</li> <li>✓ Wolf Kishner reduction, MPV reduction and Rosenmund reduction, Cope rearrangement, Claisen condensation, Benzoin condensation and Perkin reaction are removed from Unit IV</li> <li>✓ 5% of the syllabus has been changed</li> </ul>	5%
Project and Viva- Voce Examination - 18UCHPR601	<ul style="list-style-type: none"> <li>✓ New subject has been introduced in order to know the basics of research and develop the analytical skills of the students</li> <li>✓ 100% of the syllabus has been changed.</li> </ul>	100%
Bio-Inorganic Chemistry 18UCHEL602	<ul style="list-style-type: none"> <li>✓ New subject has been introduced in order to fulfill job opportunities</li> <li>✓ 100% of the syllabus has been changed.</li> </ul>	100%

Total Percentage of syllabus revision carried out in Third Year is 21.66%.

The overall percentage revision of syllabus made in B.Sc Chemistry(2018-2021) is 23.27 %.

  
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Chairman - BOS



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**Department of Chemistry**

**Highlights of Syllabus Revision- BOS (2020-2021)**

The following are the highlights of syllabus revision in B.Sc Chemistry for the Third Year (2020-2021) Syllabus.

- As per the suggestion from the board syllabus have focused to Local, Regional and National needs and accordingly content of the courses are been formulated
- Based on the suggestions given by the BOS members, Employability courses like Spectroscopy II and Bio-Inorganic Chemistry were included in syllabus.
- Elective courses are offered in the fifth and sixth semester to make the students experts in their specialization.
- SBC courses have been offered in the fifth and sixth semester to develop the student's skills.
- Project has been offered in the sixth semester to develop the student's research skills.
- Included contents in the course with respect to the development of employability, entrepreneurship and skill of the students.

  
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