

J.J.COLLEGE OF ARTS AND SCIENCE (Autonomous)
(Re-Accredited by NAAC with 'B++' Grade – Fourth Cycle)
Sivapuram Post, Pudukkottai.
DEPARTMENT OF CHEMISTRY

MINUTES OF BOARD OF STUDIES IN CHEMISTRY

Meeting No. : 09

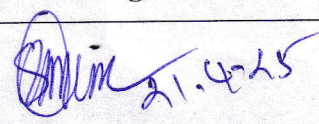
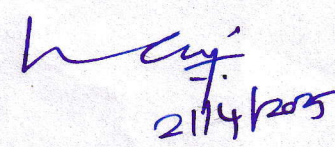
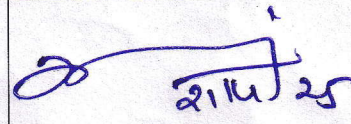
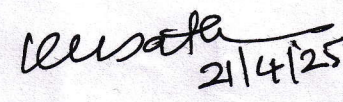
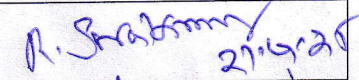
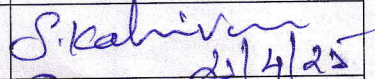
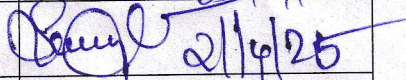
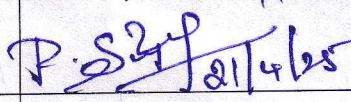
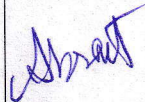
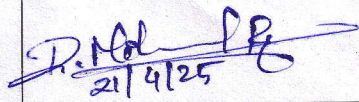
Venue : Dept of Chemistry

Date : 21.04.2025

Time : 11.30 a.m.

The Meeting of the Board of Studies in Chemistry (U.G. and P.G.) was held at 11.30 a.m. on 21.04.2025 to evaluate the Revision (R3) of the curriculum implemented from 2023-2024.

Members present

Sl. No	Name	Designation	Signature
1.	Dr. S. Valarselvan, Associate Professor & Head, Department of Chemistry	Chairman	
2.	Dr. P. Pandian Associate professor & Head, PG & Research Department of Chemistry, Thanthai Periyar Government Arts and Science College,(Autonomous), Tiruchirappalli – 620 023.	University Nominee	
3	Dr. A. N. Senthilkumar, Associate Professor of Chemistry, Alagappa Govt. Arts College, Karaikudi-630003.	Subject Expert	
4.	Dr. K. K Satheesh Kumar, Professor, Department of Chemistry, The Gandhigram Rural Institute-DTBU Gandhigram-624302.	Subject Expert	
5.	Dr. R. Sivakumar Assistant Professor	Faculty Member	
6.	Ms. S. Kalaivani Assistant Professor	Faculty Member	
7.	Ms. K. R. Ulagu Assistant Professor	Faculty Member	
8	Ms. P. Santhiyapriya Assistant Professor	Faculty Member	
9.	Mr. N. Malayappan Santhosh, M.B.A. AVM Batteries G-2, SIDCO Industrial Estate, Machuvadi Pudukkottai-622004.	Representative from Industry	
10.	Mr. R. Mohamed Riyaz, 198/2 C1, Selva Nagar, Pudukkottai- 622 001	Alumni	

J.J.COLLEGE OF ARTS AND SCIENCE (Autonomous)
(Re-Accredited by NAAC – Fourth Cycle) (Affiliated to
Bharathidasan University)

Resolutions of the BOS in Chemistry

The **ninth Board of Studies Meeting** of the Department of **CHEMISTRY** was held on **21.04.2025 at 11.30 a.m.** in the Department.

The following resolutions were proposed, discussed, finalized and passed in the Board of studies meeting of Chemistry pertaining to the approval from the Academic Council of the college.

Resolutions:

1. Resolved to introduce a Course titled **“Health and Wellness”- U3R3HW** (Under Part- V) in the third semester of the U.G Programme for students admitted from the Academic Year 2024-2025 in keeping with the instructions from the Parent University. (Vide. Letter from the Registrar i/c No.692/CCCD/BDU/C-1/2024, dated 30.12.2024). The Syllabus will be as indicated by TANSCHHE and the evaluation would be as follows, **with No Formal Examination.**

Activities (Observation during Practice)	: 40 Marks
Attendance	: 20 Marks
Report	: <u>40 Marks</u>
Total	: 100 Marks

The weightage for this course will be **01 Credit with 02 teaching hours per week.**

2. Resolved to reduce the teaching hours of Language courses in Semester - III (UG) as follows:

Part-I -Language course-III (U3R3TL3) 6 Hours reduced to 5 Hours.

Part-II- English Language course-III (U3R3EL3) 6 Hours reduced to 5 Hours

3. Resolved to review the existing Curricula and Courses and make changes wherever necessary in the light of stake holder's feedback. As the feedback is positive, we have not made any changes to the existing Curricula.

4. Resolved to motivate the B.Sc and M.Sc. Students to do concurrent Courses under SWAYAM / MOOCS.

5. Resolved to continue with the Value Added Courses offered by the Department with modifications, wherever necessary.

6. Resolved to modify and follow a total of 44 courses, 4400 marks with 142 credits for the U.G. Programmes and to continue the current course structure of the P.G programmes, which consist of 21 courses and 2100 marks with 90 credits.

7. Resolved to motivate the B.Sc and M.Sc. Students to do the Internship in reputed concerns as mentioned in the Curriculum.

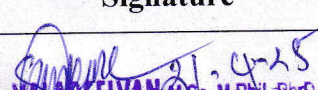
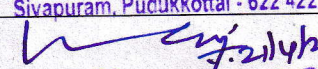
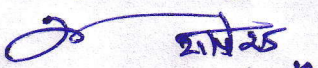
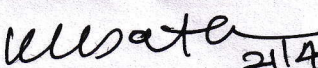
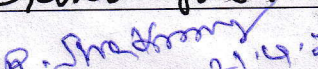
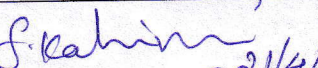
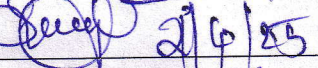
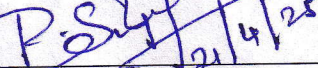
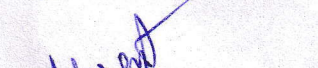
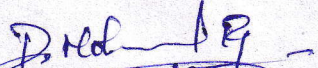
Course Structure -UG

Sl.No.	Part	Courses	No. of Courses	No. of Credits	Marks
1.	I	Language Courses	4	12	400
2.	II	English Courses	4	12	400
3.	III	Core Courses	14	65	1400
5.		Project Work	1	04	100
6.		Discipline Specific Elective Courses	8	24	800
7.	IV	Internship	1	02	100
8.		Skill Enhancement Courses	7	14	700
9.		Value Education	1	02	100
10.		Environmental Studies	1	02	100
11.		Foundation Course	1	02	100
12.	V	Health and Wellness	1	01	100
13.		Gender Studies	1	01	100
14.		Extension Activity	-	01	-
Total			44	142	4400

Course Structure -PG

Sl.No.	Types of the Courses	No. of Courses	No. of Credits	Marks
1.	Core Courses	12	58	1200
2.	Project Work	01	10	100
3.	Discipline Specific Elective Courses	05	15	500
4.	Internship	01	03	100
5.	Skill Enhancement Courses	02	04	200
Total		21	90	2100

SIGNATURE OF THE MEMBERS:

Sl. No	Name	Designation	Signature
1.	Dr. S. Valarselvan, Associate Professor & Head, Department of Chemistry	Chairperson	 Dr. S. VALARSELVAN, M.Sc., M.Phil., Ph.D. PG & Research Department of Chemistry, College of Arts and Science (Autonomous), Sivapuram, Pudukkottai - 622 422.
2.	Dr. P. Pandian Associate professor & Head, PG & Research Department of Chemistry, Thanthai Periyar Government Arts and Science College, (Autonomous), Tiruchirappalli – 620 023.	University Nominee	 Dr. P. PANDIAN, M.Sc., M.Phil., Ph.D. Associate Professor & Head PG & Research Department of Chemistry Thanthai Periyar Government Arts and Science College (Autonomous) Trichy - 620 023.
3	Dr. A. N. Senthilkumar, Associate Professor of Chemistry, Alagappa Govt. Arts College, Karaikudi-630003.	Subject Expert	 Dr. A. N. SENTHIL KUMAR Associate Professor of Chemistry Alagappa Govt. Arts College Karaikudi - 630 003.
4.	Dr. K. K Satheesh Kumar, Professor, Department of Chemistry, The Gandhigram Rural Institute-DTBU Gandhigram-624302.	Subject Expert	 Professor, Department of Chemistry, GRI Gandhigram - 624302
5.	Dr. R. Sivakumar Assistant Professor	Faculty Member	 R. Sivakumar 21/4/25
6.	Ms. S. Kalaivani Assistant Professor	Faculty Member	 S. Kalaivani 21/4/25
7.	Ms. K. R. Ulagu Assistant Professor	Faculty Member	 K. R. Ulagu 21/4/25
8	Ms. P. Santhiyapriya Assistant Professor	Faculty Member	 P. Santhiyapriya 21/4/25
9.	Mr. N. Malayappan Santhosh, M.B.A. AVM Batteries G-2, SIDCO Industrial Estate, Machuvadi Pudukkottai-622004.	Representative from Industry	 Absent
10.	Mr. R. Mohamed Riyaz, 198/2 C1, Selva Nagar, Pudukkottai- 622 001	Alumni	 R. Mohamed Riyaz 21/4/25

J.J COLLEGE OF ARTS AND SCIENCE (Autonomous)
DEPARTMENT OF CHEMISTRY
B.Sc. CHEMISTRY

Proposed Course Structure based on UGC-LOCF and TANSCH
 (Choice Based Credit System)

(Applicable for the candidates admitted from academic year **2023-2024** onwards)

SEMESTER-I								
Part	Course Code	Courses Title	Hrs/ Week	Credit	Exam Hrs	Marks		Total Marks
						Int	Ext	
Part-I	U1R3TL1	Language Course - I	6	3	3	25	75	100
Part-II	U1R3EL1	English Language Course - I	6	3	3	25	75	100
Part-III	U1R3CHCC1	General Chemistry-I	5	5	3	25	75	100
	U1R3CHCC2P	Quantitative Inorganic Estimation (Titrimetry) and Inorganic Preparation Practical	5	5	3	40	60	100
	U1R3MADSE1	Mathematics-I	4	3	3	25	75	100
Part-IV	U1R3CHSEC1 (NME-I)	To be opted from other Department (Office Automation)	2	2	3	25	75	100
	U1R3CHFC	Foundation Course (Bridge Chemistry)	2	2	3	25	75	100
			30	23				700

SEMESTER-II								
Part	Course Code	Courses Title	Hrs/ Week	Credit	Exam Hrs	Marks		Total Marks
						Int	Ext	
Part-I	U2R3TL2	Language Course-II	6	3	3	25	75	100
Part-II	U2R3EL2	English Language Course – II	6	3	3	25	75	100
Part-III	U2R3CHCC3	General Chemistry-II	5	5	3	25	75	100
	U2R3CHCC4P	Qualitative Organic Analysis and Preparation of Organic compounds Practical	5	5	3	40	60	100
	U2R3CHDSE2	Mathematics-II	4	3	3	25	75	100
Part-IV	U2R3CHSEC2 (NME-2)	To be opted from other department (Advanced Excel)	2	2	3	25	75	100
	U2R3CHSEC3:1/3:2	Cosmetic and Personal Grooming / Entrepreneurial Skills in Chemistry	2	2	3	25	75	100
			30	23				700

SEMESTER-III

Part	Course Code	Courses Title	Hrs/ Week	Credit	Exam Hrs	Marks		Total Marks
						Int	Ext	
Part-I	U3R3TL3	Language Course-III	5	3	3	25	75	100
Part-II	U3R3EL3	English Language Course-III	5	3	3	25	75	100
Part-III	U3R3CHCC5	General Chemistry-III	5	5	3	25	75	100
	U3R3CHCC6P	Qualitative Inorganic Analysis Practical	5	5	3	40	60	100
	U3R3CHDSE3	Allied Physics –I	4	3	3	25	75	100
Part-IV	U3R3CHSEC4:1 /4:2	Nutrition and Food Science /Forensic Science	2	2	3	25	75	100
	U3R3VE	Value Education	2	2	3	25	75	100
Part-V	U3R3HW	Health and Wellness	2	1				100
			30	24				800

SEMESTER-IV

Part	Course Code	Courses Title	Hrs/ Week	Credit	Exam Hrs	Marks		Total Marks
						Int	Ext	
Part-I	U4R3TL4	Language Course-IV	5	3	3	25	75	100
Part-II	U4R3EL4	English Language Course - IV	5	3	3	25	75	100
Part-III	U4R3CHCC7	General Chemistry-IV	5	5	3	25	75	100
	U4R3CHCC8P	Physical Chemistry Practical-1	5	5	3	40	60	100
	U4R3CHDSE4P	Allied Physics Practical - II	4	3	3	40	60	100
Part-IV	U4R3CHSEC5:1/ 5:2	Pesticide Chemistry / Instrumental methods of Chemical analysis	2	2	3	25	75	100
	U4R3CHSEC 6:1/ 6:2	Industrial Chemistry / Fundamentals of Spectroscopy	2	2	3	25	75	100
	U4R3ES	Environmental Studies	2	2	3	25	75	100
			30	25				800

SEMESTER-V								
Part	Course Code	Courses Title	Hrs/ Week	Credit	Exam Hrs	Marks		Total Marks
						Int	Ext	
Part-III	U5R3CHCC9	Organic Chemistry-I	5	5	3	25	75	100
	U5R3CHCC10	Inorganic Chemistry-I	5	4	3	25	75	100
	U5R3CHCC11	Physical Chemistry	5	4	- 3	25	75	100
	U5R3CHCC12P	Physical Chemistry Practical -II	5	4	3	40	60	100
	U5R3CHDSE5:1/ 5:2	Polymer Science / Nano Science	5	3	3	25	75	100
	U5R3CHDSE6:1/6: 2	Pharmaceutical Chemistry / Health Chemistry	5	3	3	25	75	100
Part-IV	U5R3CHINT	Internship	-	2	-	-	-	100
			30	25	-	-	-	700

SEMESTER-VI								
Part	Course Code	Courses Title	Hrs/ Week	Credi t	Exam Hrs	Marks		Total Marks
						Int	Ext	
Part-III	U6R3CHCC13	Organic Chemistry-II	5	4	3	25	75	100
	U6R34HCC14	Inorganic Chemistry-II	6	4	3	25	75	100
	U6R3CHCC15PW	Project Work	8	4	--	--	--	100
	U6R3CHDSE7:1/7:2	Agricultural Chemistry/ Biochemistry	4	3	3	25	75	100
	U6R3CHDSE 8:1/8:2	Chemistry of Everyday life / Soil, Dairy and Leather Chemistry	4	3	3	25	75	100
Part-IV	U6R3CHSEC 7:1/ 7:2	Green Chemistry / Material Chemistry and Nano technology	2	2	3	25	75	100
Part-V	U6R3GS	Gender Studies	1	1	3	25	75	100
		Extension Activities	-	1	-	-	-	-
			30	22				700
			Total	142				4400