

Fatima College (Autonomous) Madurai-18

The Minutes of the Board of Studies
Department of Chemistry
To be implemented from 2022-2023 onwards
Convened on 21.3.2022. Convened at 2 p.m.
Venue : R3

External Members

S.No.	Name	Designation
1.	Dr. S. Murugesan Professor, Dept. of Inorg. Chem. SOC, MKU, Madurai-21	University Nominee S. Murugesan 21/3/22
2.	Dr. S. Abraham John Prof. of Chemistry GRI (Deemed to be University) Grandhigram Dindigul	Subject Expert S. Abraham John 21/3/22
3.	Dr. A. Mary Imelda Jayaseeli Associate Professor & Head Jeyaraj Annapauliam College for Women Periyakulam	Subject Expert A. Mary Imelda Jayaseeli 21/3/2022
4.	Mr. S. Manikandan Senior Research Associate Par Pharma, R&D. Dept. Chengalpattu	Industrialist (Absent)
5.	Miss B. Shobana Research Scholar, Research Dept. of Chemistry, Thiagarajar College, Madurai	Alumna. B. Shobana 21/3/22

6	Dr. N. Malathi	Dean of Academic Affairs
7	Dr. S. Sukumari	Staff Member
8	Dr. A. Rajeswari	Staff Member
9	Dr. B. Vinasha	Staff Member
10	Dr. B. Suganthana	Staff Member
11	Dr. Sr. Arul Mary	Staff Member
12	Dr. V. Arul Deepa	Staff Member
13	Mrs. R. M. Nagalakshmi	Staff Member
14	Dr. M. Priyadharshan	Staff Member
15	Dr. K. M. Subimal	Staff Member
16	Dr. P. Sylvia Reeta	Staff Member

1. Action Taken Report For 2021-2022 - For M.Sc Chemistry

S.No	Common suggestions offered in the Previous Board	Action Taken for the Academic Year 2021-22
1.	21PGC2SL1 - Research methodology - Plagiarism can be added in unit V	Included in Unit V
2.	In EPC paper - Instead of Fertilizers Oil Analysis can be included	Fertilizers is removed & Oil unit is included as unit V

Change of Course Title

S.No	Old Course Code	New Course Code	Old Course Title	New Course Title	Need for Change
-	-	-	-	NIL	-

New Courses Introduced For B.Sc.

S.No	Course Code	Course Title	Relevance to				Scope for			Need for
			L	R	N	G	EMP	ENTRE	SD	
1.	21C2SLA1	Household Products Marketing		R			EMP	ENTRE		Introduction To make Learn Entrepreneurship

Internal members.

1. Dr. N. Malathi Dean of Academic Affairs.
Staff Member - Dept of Chemistry

Malathi

21/03/2022

- | S.No. | Name | |
|-------|-----------------------------------|--------------------------|
| 1. | Dr. B. Medona [Head of the Dept.] | <i>B. Medona</i> |
| 2. | Dr. S. Sukumari | <i>S. S.</i> |
| 3. | Dr. A. Rajeswari | <i>A. Rajeswari</i> |
| 4. | Dr. B. Vinisha | <i>B. Vinisha</i> |
| 5. | Dr. B. Suganthara | <i>B. Suganthara</i> |
| 6. | Dr. Sr. Arul Mary | <i>Sr. Arul Mary</i> |
| 7. | Dr. V. Arul Deepa | <i>V. Arul Deepa</i> |
| 8. | Mrs. R.M. Nagalakshmi | <i>R.M. Nagalakshmi</i> |
| 9. | Dr. M. Priyadharshini | <i>M. Priyadharshini</i> |
| 10. | Dr. K.M. Subimal | <i>K.M. Subimal</i> |
| 11. | Dr. P. Sigluiga Reeta. | <i>P. Sigluiga Reeta</i> |

Members Present.

1.	Dr. B. Medona	Head of the Department
2.	Dr. S. Murugesan, Professor, Dept of Inorganic Chemistry, Soc, MKU	University Nominee
3.	Dr. S. Abraham John, Professor, Dept of Chemistry, GRI, Dindigul	Subject Expert
4.	Dr. A. Mary Imelda Jayaseeli, Head & Associate Prof. of Chemistry JAC, Periyakulam	Subject Expert
5.	Miss. B. Shobana Research Scholar, Research Dept of Chemistry Thiagarajar College, Madurai	Alumna.

For M. Sc.

S.No	Course Code	Course Title	Relevance to				Scope for			Need for Introduction
			L	R	N	G	EMP	ENTRE	SD	
1.	21PGIC2 SL1	Research Methodology				G	EMP		SD	Offered to the advanced learners
2.	21C1EDG 21C2FDC	Analysis of Soil, Water, Food, Cosmetics And oil.			N		EMP		SD	As per the Recommendation of course Teachers

Revised course -

S.No	Course Code	Course Title	No. & Title of units Revised	% of Revision	Need for Revision	Relevance to				Scope for		
						L	R	N	G	EMP	ENTRE	SD
-	-	-	NIL	-	-	-	-	-	-	-	-	-

2. updation of Open Educational Resources in the list of references of each course.

S.No	Course Code	Course Title	Details of updation
-	-	-	NIL

3. Revision of Courses:
For B.Sc.

S.No	Course Code	Course Title	No. & Title of units Revised with the Revised Content	% of Revision	Need for Revision	Relevance to				Scope for		
						L	R	N	G	EMP	ENTRE	SD
1.	19C4 SB2	NEW TITLE Dyes and Pigments Old Title Natural & Synthetic Dyes	Unit - IV - Pigments Title - Instead of Structure of Dyes Revised content - Anthocyanin, Flavones, Phthalocyanin, Carotenoids, Chlorophyll.	20%	As per the Recommendation of course Teachers			N		EMP		
2.	19C5CC 16	NEW TITLE Conventional & Green Synthesis Old Title Green Chemistry Practicals [Lab Course]	Under Greener methods of Preparation of organic Compounds - Preparation of Aspirin using MW, use of greener Nitration & Brominating mixture are used for Nitration & Bromination - Includes: Under Conventional methods - Three new Experiments to be included.	50%	To include Experiments in the semi-ved Lab course To increase the use of microwave irradiation & Greener reagents				G	EMP		SD

For M.Sc.

S.No	Course Code	Course Title	No. & Title of units revised with the revised content	Y. of Revision	Relevance to				Scope for		
					L	R	N	G	EMP	ENTRE	SD
1.	19PG4 C17	Physical Chemistry - IV	Unit I, II & III Title - to be changed as Rotational & Vibrational Spectroscopy, Electronic Spectroscopy & Spin Resonance & Mossbauer Spectroscopy with minor Revisions in unit I, II & V In unit III - NMR Spectroscopy - Frequency, Instrumentation & Comparison of NMR with ESR are Included.	15%					G	EMP	ENTRE
2.	19PG4 CE3	Analytical Chemistry	Unit I - Error Analysis Unit II - Chromatography Unit III - Computers in Chemistry with minor changes in content. Unit IV - DTA to be Included.	10%					G	EMP	ENTRE SD
3.	19PG1 C5	New Title organic Qualitative Analysis & Preparation - I Old Title Organic Qualitative Analysis	Spectral Analysis of the Synthesized Compounds Using IR and UV are included.	10%			N		EMP		SD
4.	19PG2 C10	New Title organic Estimation & Preparation - II Old Title Organic Estimation & Preparation - II	Under Estimation - Estimation of Phenol & Aniline are Included instead of Estm. of Glucose by Eynon-Lowe method. Under preparation - Spectral Analysis of the synthesized Compounds using UV & IR are included.	20%			N		EMP		SD

4 New Courses Introduced - For B.Sc.

S.No	Course Code	Course Title	Relevance to				Scope for			Need for Introduction
			L	R	N	G	EMP	ENTRE	SD	
1.	22N4SL4	Textile Colouration			N		EMP	ENTRE		To make learners Entrepreneur

For M.Sc

S.No	Course Code	Course Title	Relevance to				Scope for			Need for Introduction
			L	R	N	G	EMP	ENTRE	SD	
1.	22PGC4SL3	Batteries and its Applications			N		EMP	ENTRE		To increase Employability & Entrepreneurship.
5 Introduction of Purely Skill Embedded Certificate Value added Course										

S.No	Course Code	Course Title	MOU with Industry/ Organisation	Skills Sharpened	Course outcome
1.	22PGVACC1	Certificate course on Instrumentation in IR	-	Analytical	To produce
2.	22PGVACC2	Certificate Course on Instrumentation in UV	-	Skill &	Analytical
3.	22PGVACC3	Certificate course on Electrochemical Techniques	-	Employability	chemist.

6 Approval of Ph.D. Course work syllabus - NIL

7 Rubrics for Internship/project - NA

Details of Proposed MOU - Planned to have MOU with Materials Research Centre (MRC) Coimbatore.

Other Suggestions	Commendations
1. No need to have External Exam for Self Learning course.	1. Our UG & PG syllabus is Very Good but too heavy.
2. In 19PG4CH - Unit I - Absorption & Emission LASER, EMA Interaction, Einstein Coefficient can be deleted.	

J. Jidota

Dr. B. Medona Head of the Department

S. P. gey 21/3/22

Dr. S. Murugesan University Nominee

S. A. 21/3/22

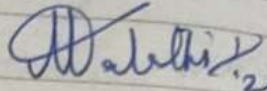
Dr. S. Abraham John Subject Expert

A. Mary Imelda 21/3/2022

Dr. A. Mary Imelda Subject Expert
Jayaseeli

B. Shobana 21/03/2022

Ms. B. Shobana Alumna

Name of	Signature
Dean of Academic Affairs. Dr. N. Malathi	 21/03/24
Staff Members	
Dr. S. Sukumari	Sw. S.
Dr. A. Rajeswari	Rajm
Dr. B. Vinasha	Binoth
Dr. B. Suganthana	B. Suganthana
Dr. Sr. Arul Mary	Sr. Arul Mary
Dr. V. Arul Deepa	V. Arul Deepa
Mrs. R. M. Nagalakshmi	Rm. M.
Dr. M. Priyadharsani	M. Priyadharsani
Dr. K. M. Subimal	K. M. Subimal
Dr. P. Sylvia Reeta	P. Sylvia Reeta