



Sri G.V.G. Visalakshi College For Women, Udumalpet- 642128
Autonomous and Affiliated to Bharathiar University, Coimbatore
Accredited at **A***grade by NAAC (Fourth cycle)
An ISO 9001:2015 Certified Institution
www.gvgvc.ac.in; gvgprincipal@gmail.com Ph.04252-223019, Fax; 04252-233111

27th Board of studies meeting conducted on 7th June 2021
Department of Chemistry
Resolution

A meeting of the Board of Studies(Online) is convened for the BSc., Chemistry Programme offered by the Department of Chemistry on 07.06.2021 at 9:30am Online (Google Meet) with the following Members

Dr. M. Malarvizhi	:	Chairman of the Board
Dr. S. Umadevi	:	Member
Mrs. R. Chitradevi	:	Member
Mrs.V.Anitha	:	Member
Dr.J.Bhuvanewari	:	Member
Dr.M.Indrani	:	Member
Dr.E.Vaishnavi	:	Member
Dr. N. Jeyakumar	:	University Nominee
Dr Subramanian Chitra	:	Subject Expert
Dr.J.Princy Merlin	:	Subject Expert
Dr. S. Chandra	:	Alumna
Mrs. K. Pradeepa	:	Industrialist

Agenda of the Meeting:

Item No 1: To Finalize and approve the curriculum framework and design for UG Chemistry programme for I to VI semesters along with course content for the students admitted from the academic year 2021-2022 under outcome based education.

Item No 2: To Finalize and approve the curriculum framework and design for UG Chemistry programme for III to VI semesters for the students admitted during the academic year 2020-2021.

Item No 3: To Finalize and approve the course content and assessment pattern of newly introduced courses - Part IV: 320CS1 Skill Enhancement Course I: Professional English for Chemists, Part IV: 420CS2 Skill Enhancement Course II: IT Skill for Chemists, Part IV: 520CS3 Skill Enhancement Course III: Project and Internship, Part IV: 620CS4, Skill Enhancement Course IV: Product based Chemistry, Part IV: 320NCE Non Major Elective Course - Food Preservation and Adulteration for the students admitted from the academic year 2020-2021.



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Item No 4: To Finalize and approve the course content and assessment pattern of newly introduced elective courses - Part III: 620CE3 Elective II Analytical Chemistry, Part III: 620CE4 Elective II Chemical Technology for the students admitted from the academic year 2020-2021.

Item No 5: To Finalize and approve the course content and assessment pattern of the following revamped part III core courses to be offered for the students admitted from the academic year 2020-2021.

Part III: 320C03 Core III General Chemistry III

Part III: 420C04 Core IV General Chemistry IV

Part III: 520C07 Core VII Physical Chemistry I

Part III: 620C11 Core XI Physical Chemistry II

Item No 6: To Finalize and approve the introduction of MOOC Course in Advanced Learner's Course as an option for the students admitted from the academic year 2020-2021.

Item No 7: To Finalize and approve the course content and assessment pattern of newly introduced Part- III Core Courses - 121C01 Core I General Chemistry I, 221C03 Core III States of Matter, for the students admitted from the academic year 2021-2022 onwards.

Item No 8 : To Finalize and approve the course content and assessment pattern of newly introduced cluster course - Elective I 521CE2 Agro Industrial Chemistry for the students admitted from the academic year 2021-2022 onwards.

Item No 9: To Finalize and approve the course content and assessment pattern of newly introduced part IV courses 121VEC Part IV: Value Education, Human Values and Gender Equity, 521NGA Part IV- General Awareness- Online MOOC or Swayam Courses/Life Skills, 621NGA Part IV- General Awareness-Professional Ethics for the students admitted from the academic year 2021-2022 onwards.

Item No 10: To Finalize and approve the course content and assessment pattern of the following revamped part III core courses to be offered for the students admitted from the academic year 2021-2022

Part III: 221C02 Core II General Chemistry II

Part III: 321C04 Core IV General Chemistry III

Part III: 521C07 Core VII Inorganic Chemistry I

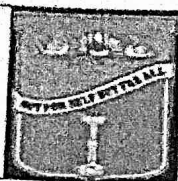
Part III: 621CE3 Part III: Elective II Analytical Chemistry

Part III: 621CE4 Part III: Elective II Applied Chemistry




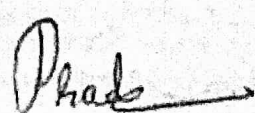
Part III: 621CE5 Part III: Elective III Industrial Chemistry

Part III: 621CE6 Part III: Elective III Chemical Technology

Item No 11: To Finalize and approve the introduction of new practical experiments in all the Practical courses in the curriculum framework of the students admitted from academic year 2020-2021 and from academic year 2021-2022 onwards.



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S.No	BOS Members
1.	University Nominee Dr. N. Jeyakumar, Principal Sri Vasavi College, Erode - 16 
2.	Subject Expert (ABSENT) Dr Subramanian Chitra S (Former) Associate Professor and Head PSGR Krishnammal College for Women, Coimbatore
3.	Subject Expert Dr.J.Princy Merlin Associate Professor, Department of Chemistry, Bishop Heber College, Tiruchirappalli - 17. 
4.	Dr.S.Chandra (Alumna) Assistant Professor in Chemistry PSG College of Arts and Science, Coimbatore-641014 
5.	Mrs. K. Pradeepa (Industrialist) Process Controller Sterlite Copper Vedanta Ltd., Sipcot Industrial Complex, Tuticorin - 628 002 

The following were the suggestions and recommendations made by the board and the resolutions approved

The Revised Curriculum structure for Semesters III to VI for students admitted from academic year 2020-2021.

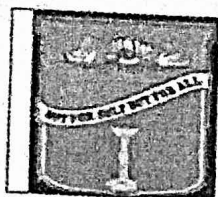
Semester – III Part III Core III General Chemistry III (320C03)

- In Unit II: Green Chemistry and Nano Science, the topic Green synthesis of adipic acid can be included.

Semester – IV Part III Core IV General Chemistry IV (420C04)

- In Unit V – Heterocyclic compounds and Active methylene groups, under Active Methylene groups, Pentanone can be excluded.

Semesters IV Part IV Course: Part IV Skill Enhancement Course II IT Skill for Chemists



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- Introduction to Artificial Intelligence is included in Unit IV.

Semester –VI Part III Core VIII Spectroscopy (620C08)

- In Unit IV: NMR Spectroscopy, the topic Benzaldehyde can be excluded.

The Revised Curriculum structure for Semesters I to VI for students admitted from academic year 2021-2022.

In Semester – V Part III Core VII Organic Chemistry I (521C07) In Unit III: Conformational Analysis, Active methylene groups and reagents of synthetic importance, the reagent Per iodine acid is excluded.

In Semester – VI Part III Core Practical IV Applied Chemistry Practical (621CP4)

The following experiments were to be mentioned as class work

Problem Based Practical experiments

- Estimation of Caffeine in commercial Tea samples
- Estimation of Fluoride in drinking water samples

Resolutions:

Resolution 1 (For Item No.1)

Resolved that the curriculum framework and design of course content be approved for the courses of Semesters I and VI for the students admitted from academic year 2021-2022 onwards under OBE pattern.

Resolution 2 (For Item No.2)

Resolved that the curriculum framework and design of course content be approved for the courses of Semesters III and VI for the students admitted from academic year 2020-2021 onwards under OBE pattern.

Resolution 3 (For Item No.3)

Resolved that the course content and assessment pattern of newly introduced courses - Part IV: 320CS1 Skill Enhancement Course I: Professional English for Chemists, Part IV: 420CS2 Skill Enhancement Course II: IT Skill for Chemists, Part IV: 520CS3 Skill Enhancement Course III: Project and Internship, Part IV: 620CS4, Skill Enhancement Course IV: Product based Chemistry, Part IV: 320NCE Non Major Elective Course Food Preservation and Adulteration be approved for the students admitted from the academic year 2020-2021.



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Resolution 4 (For Item No.4)

For the students admitted from the academic year 2020-2021 it has been resolved that the course content and assessment pattern of **newly introduced elective courses** - Part III: 620CE3 Elective II Analytical Chemistry, Part III: 620CE4 Elective II Chemical Technology be approved.

Resolution 5 (For Item No.5)

Resolved to be approved the course content and assessment pattern of the following **revamped part III core courses** to be offered for the students admitted from the academic year 2020-2021.

Part III: 320C03

Part III: 420C04

Part III: 520C07

Part III: 620C11

Core III General Chemistry III

Core IV General Chemistry IV

Core VII Physical Chemistry I

Core XI Physical Chemistry II

Resolution 6 (For Item No.6)

Resolved to be approved the introduction of MOOC Course in Advanced Learner's Course as an option for the students admitted from the academic year 2020-2021.

Resolution 7 (For Item No.7)

Resolved that the course content and assessment pattern of **newly introduced Part- III Core Courses** - 121C01 Core I General Chemistry I, 221C03 - Core III States of Matter, be approved for the students admitted from the academic year 2021-2022 onwards.

Resolution 8 (For Item No.8)

Resolved to be approved the course content and assessment pattern of **newly introduced cluster course** - Elective I 521CE2 Agro Industrial Chemistry for the students admitted from the academic year 2021-2022 onwards.

Resolution 9 (For Item No.9)

Resolved to be approved the course content and assessment pattern of **newly introduced Part IV courses** 121VEC Part IV- Value Education, Human Values and Gender Equity, 521NGA Part IV- General Awareness- Online MOOC or Swayam Courses/Life Skills, 621NGA Part IV- General Awareness-Professional Ethics for the students admitted from the academic year 2021-2022 onwards.



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Resolution 10 (For Item No.10)

Resolved that the course content and assessment pattern of the following revamped part III core courses to be offered be approved for the students admitted from the academic year 2021-2022.

Part III: 221C02	Core II General Chemistry II
Part III: 321C04	Core IV General Chemistry III
Part III: 521C07	Core VII Inorganic Chemistry I
Part III: 621CE3	Part III: Elective II Analytical Chemistry
Part III: 621CE4	Part III: Elective II Applied Chemistry
Part III: 621CE5	Part III: Elective III Industrial Chemistry
Part III: 621CE6	Part III: Elective III Chemical Technology

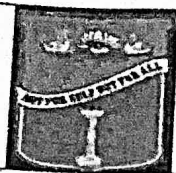
Resolution 11 (For Item No.11)

Resolved to be approved the introduction of new practical experiments in all the Practical courses in the curriculum framework of the students admitted from academic year 2020-2021 and from academic year 2021-2022 onwards .

Innovations in curriculum

- Introduction of skill enrichment activity under each unit in General chemistry-I
- Skill enrichment activity includes the usage of common chemistry laboratory procedure, statistical problems, green synthesis, PhET Simulation and Arus lab
- Introduction of MOOC to strengthen lifelong learning
- Introduction of Cluster course with peers to utilise resources provide Interdisciplinary learning
- Introduction of Professional English for Chemists for effective communication and employment.

Rajawari. N
30.6.21



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Chairman of the Board

Dr. M. Malarvizhi

M. Malarvizhi

Members of the Board

Dr. S. Umadevi

Mrs. R. Chitradevi

Mrs. V. Anitha

Dr. J. Bhuvaneshwari

Dr. M. Indrani

Dr. E. Vaishnavi

Dr. Umadevi

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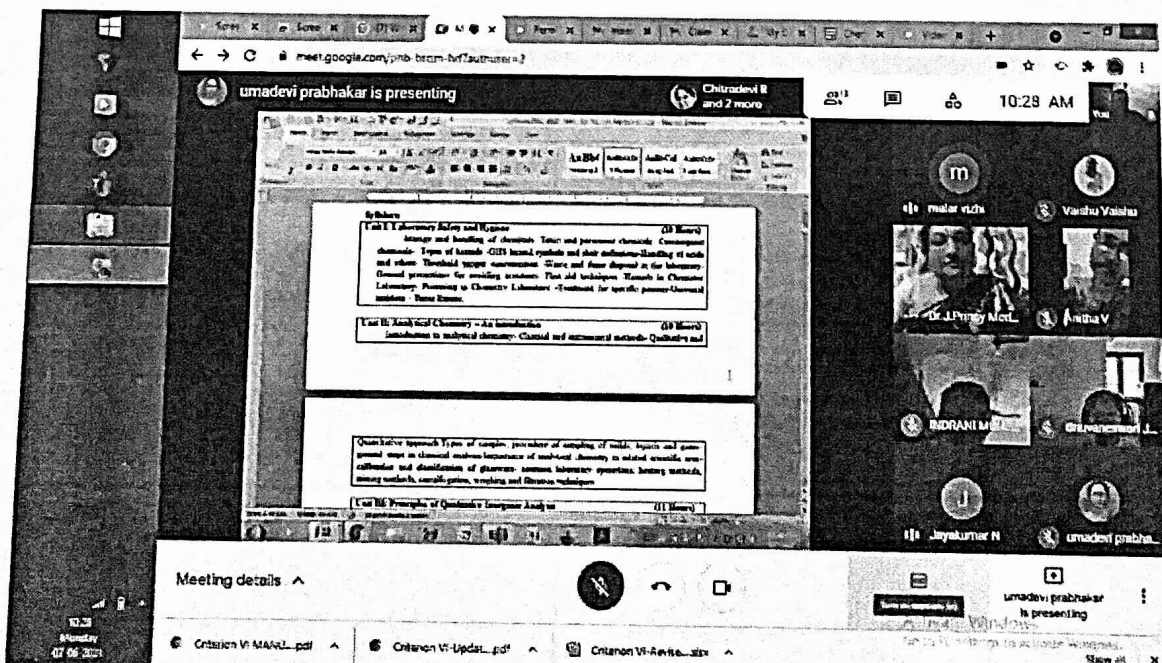
Dr. E. Vaishnavi

Board of Studies – Meeting

Date: 07.06.2021

Mon 07 June 2021 10:00am – 12:30pm India Standard Time - Kolkata

Google meet Link: <https://meet.google.com/phb-bsom-hrf>





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unmaded prashakar is presenting

Qualitative analysis: Types of process, procedure of separation of various groups and general steps in chemical analysis. Importance of qualitative analysis in related scientific work. Collection and classification of various common laboratory operations: heating, melting, drying, sublimation, crystallization, weighing and chemical reduction.

Unit II: Principles of Qualitative Inorganic Analysis (11 Hours)
Types of analysis involved in Qualitative Inorganic Analysis: Dry, wet, dry, fusion, flame, color and precipitation reactions. Importance of solubility product principle in qualitative analysis. Completion reactions for ion separation. Tests for identification of various ions. Preparation of solutions for cation testing. Observation of heating various group separately. Tests for identification of various cations.

Unit III: Dye Analysis (11 Hours)
General types of dye: azo dyes, quinonoid dyes, anthraquinone dyes, xanthene dyes, phthalocyanine dyes and related compounds. Significant reactions.

Meeting details

Turn on captions

unmaded prashakar is presenting

Organic synthesis: General principles, reaction mechanisms, experimental techniques, safety precautions and analysis. Role of reagents, solvents, catalysts, and reaction conditions. Separation and purification of products. Analytical methods of synthesis.

Unit IV: Organic Synthesis and Purification (11 Hours)
General Organic Synthesis: Reaction mechanisms, safety and experimental techniques. Role of reagents, solvents, catalysts, and reaction conditions. Separation and purification of products. Analytical methods of synthesis.

Unit V: Pharmaceutical (11 Hours)
Introduction: Pharmaceutical in chemical synthesis: role of pharmaceutical synthesis. Laboratory and industrial synthesis: safety and experimental techniques. Qualitative and quantitative analysis: separation and purification. Identification of various and pharmaceutical synthesis. Role of various analytical methods: instrumental, physical, chemical, and biological methods.

Meeting details

Turn on captions

Name	Audio	Video
unmaded prashakar	On	Off
Aradhya S	On	Off
Dr.J.Priya	On	Off

umadevi prabhakar is presenting

Ehuvaneswari Jayara... and 2 more

B.Sc. Chemistry
Semester III
(For the students admitted from the academic year 2021-2022 onwards)

Course: Part IV Skill Enhancement Course I Professional English for chemists	Course Code: 321CN1
Semester: III	No. of Credits: 2
No. of hours: 45	C:T 35:6
CIA Max. Marks: 100	ESE Max. Marks: -

(C: Contact hours, T: Tutorial)

Course objectives

- To develop the language skills of students by offering adequate practice in professional contexts.
- To enhance the lexical, grammatical and socio-linguistic and communicative competence of chemistry students.
- To focus on developing students' knowledge of domain specific registers and the required language skills.
- To develop strategic competence that will help in efficient communication.
- To sharpen students' critical thinking skills and make students culturally aware of the target situation.

Participant avatars: malar vijzi, Dr. J. Princy Merl, Anitha V, INDRANI MURU, Ehuvaneswari J., Jayakumar N, umadevi prabha..., Chitrodevi R.

Turn on captions
umadevi prabhakar is presenting
Activate Windows
Go to PC settings to activate Windows

10:51
Monday
07-06-2021