

# K.M.G. COLLEGE OF ARTS AND SCIENCE



(AUTONOMOUS)

R.S.ROAD, AMMANANGKUPPAM, GUDIYATTAM – 635 803.  
Approved by Govt.of Tamilnadu & Permanently Affiliated to Thiruvalluvar University  
Recognized under section 2(f) and 12(B) of the UGC Act 1956  
Accredited By NAAC with 'A' GRADE (CGPA of 3.24/4 - II<sup>nd</sup> Cycle)



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## P.G. AND RESEARCH DEPARTMENT OF CHEMISTRY

### Minutes of the 3<sup>rd</sup> Board of Studies (UG & PG)

The third board of Studies meeting of the Chemistry (UG & PG) board was held on 21.03.2025, Friday at 11.00 a.m., the committee members and member of university nominee, subject expert from outside institutions, industrial expert and alumni were participated.

Dr. S. Praveen Kumar, Head, Department of Chemistry welcome the committee members.

#### **Board of Studies Members:**

S.No	Category	Name
1	Chairperson	Dr. S. Praveen Kumar
2	Subject Expert nominated by the Vice-Chancellor of Thiruvalluvar University	Dr. K. Geetha
3	Subject experts from outside the parent University	Dr. P. Gandeepan
4	Subject experts from outside the parent University	Dr. B. Muthuraaman
5	Faculty member	Mrs. K. Gandhimathi
6	Faculty member	Mr. V. Umamageswaran
7	Faculty member	Mr. E. Jagan
8	Faculty member	Mr. B. Balaji
9	Faculty member	Mr. S. Satheish
10	Faculty member	Ms. P. Pavithra
11	Faculty member	Ms. M. Bhuvaneshwari
12	Faculty member	Mrs. C. Sathiya
13	Industrialist	Dr. V. Sivakumar
14	Alumnus	Mr. A. Sobanbabu

### **The Agenda were:**

1. Approval of the Minutes of Second Board study Meeting held on 29.11.2024.
2. Review, Approve and Pass the Courses offered by the Department of Chemistry for third Semester to B.Sc., Chemistry and M.Sc., Chemistry Programme.
3. Review of the Feedback on syllabus and course outcomes in the year 2024-25 for B.Sc., Chemistry and M.Sc., Chemistry Programme Second Semester.
4. Review, Approve and Pass the Compulsory Courses (EVS) offered to all Departments for third Semester.
5. Review, Approve and Pass the elective course Chemistry offered to the Mathematics Department for third Semester.
6. To review the course outcomes for 3<sup>rd</sup> Semester Subject with different cognitive levels (K1....K6) in the U.G. & P.G. Curriculum.
7. Review and approve the new mode of internal assessment pattern form the 2025 - 2026 Academic Year.
8. Any other matters brought from the BoS Members.

### **Discussions and Suggestions:**

1. The BOS members suggested few reference books which includes in the General Chemistry – III (UG) and Organic Synthesis and Photochemistry (PG).
2. The BOS members suggested to include the scheme of evaluation in the PG Physical Chemistry practical and Analytical Instrumentation Technique Practical for PG.
3. The Number of asked to checks the Credits, it may be equal or less than the number of hours in each course.
4. The BOS members suggested the syllabus for Pesticide Chemistry (UG Skill paper) is huge, in two hours per week difficult to handle.
5. The Members of the Board of Studies examined the Syllabus and pass the curriculum for the academic year 2025 - 26.
6. The BOS Members suggested to include Biochemistry as one of elective for I UG students, who are going to get admission from the academic year 2025 -2026 as per TANSCHÉ Model Syllabus.

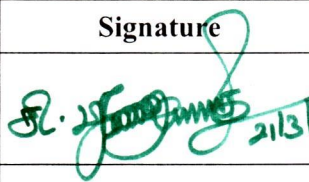

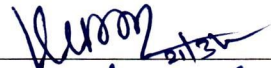



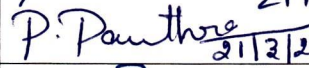
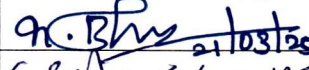

### **Resolutions:-**

1. The Members of Board of Studies approve the Minutes of Second Board study Meeting held on 29.11.2024.
2. The Members of Board of Studies approve the course outcomes of B.Sc., and M.Sc., Chemistry programmes for 3<sup>rd</sup> Semester after discussion and incorporation of suggestions.
3. The Members of Board of Studies approve the Courses offered by the Department of Chemistry for third Semester to B.Sc., Chemistry and M.Sc., Chemistry Programme.
4. The Members of Board of Studies approve the scheme of evaluation in the PG Physical Chemistry practical and Analytical Instrumentation Technique Practical for PG.
5. Resolved to recommend and approve the Syllabus for the Value added courses offered by the Department of Chemistry in the 2025 – 2026 academic year.
6. It was resolved to approve the revised curriculum for the academic year 2024-25 batch students.
7. Base on the BOS Members suggested we include Biochemistry as one of elective for I UG students, who are going to get admission from the academic year 2025 -2026 as per TANSCH Model Syllabus.
8. The Members of Board of Studies approve the Compulsory Courses (EVS) offered to all Departments in third Semester.

The Meeting was concluded with the vote of thanks by Mr. E. Jagan. All the members were present.



## Members Present

S.No	Category	Name & Designation	Signature
1	Chairperson	Dr. S. Praveen Kumar Head Department of Chemistry	
2	Subject Expert nominated by the Vice-Chancellor of Thiruvalluvar University	Dr. K. Geetha Head of the Department, PG and Research Department of Chemistry, Muthurangam Government Arts College (Autonomous), Vellore – 632 002,	Online
3	Subject experts from outside the parent University	Dr. P. Gandeepan Associate Professor of Chemistry, Indian Institute of Technology Tirupati, Andhra Pradesh.	Online
4	Subject experts from outside the parent University	Dr. B. Muthuraaman Head of the Department, Department of Energy, University of Madras, Guindy Campus, Chennai – 600 025.	Online
5	Faculty member	Mrs. K. Gandhimathi Assistant Professor of Chemistry	
6	Faculty member	Mr. V. Umamageswaran Assistant Professor of Chemistry	
7	Faculty member	Mr. E. Jagan Assistant Professor of Chemistry	
8	Faculty member	Mr. B. Balaji Assistant Professor of Chemistry	
9	Faculty member	Mr. S. Sathesh Assistant Professor of Chemistry	
10	Faculty member	Ms. P. Pavithra Assistant Professor of Chemistry	
11	Faculty member	Ms. M. Bhuvaneshwari	
12	Faculty member	Mrs. C. Sathiya, Assistant Professor of Botany	
13	Industrialist	Dr. V. Sivakumar Senior Scientist, Analytical Research and Development, Pfizer Health Care India Pvt.Ltd., Chennai – 600 113.	Online
14	Alumnus	Mr. A. Sobanbabu Senior Research Scientist, Research and Development,	Online



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Praveen KUMAR (Presenting)

Department of Chemistry Syllabus (Effect from 2024-2025)

UNIT V  
Phenols  
Nomenclature, classification, Preparation from chlorobenzene, sulfonamide, Diazotization, Reaction of phenol with acetic anhydride, electrophilic substitution reactions, Reimer-Tiemann reaction, Schmidt reaction, synthesis, Libermann nitro reaction, phthalic reaction.  
Reactions of various parts and preparation properties and uses.  
Aromatic alcohols: Nomenclature, benzyl alcohol, methods of preparation, oxidation, reduction of benzaldehyde, Cannizzaro reaction, Grignard synthesis, physical properties, reactions with sodium, phosphorus pentachloride, etheryl chloride, acidic anhydride, hydrogen iodide, oxidation, substitution on the benzene nucleus, etc.  
Thiols: Nomenclature, structure, preparation and properties.  
Recommended Text Books:  
1. R.R. Parry, J.P. Sharma, M.S. Pathania: Principles of Physical Chemistry, 2nd edition, United Publishers, 2020.  
2. R.R. Parry, J.P. Sharma, M.S. Pathania: Principles of Organic Chemistry, 2nd edition, United Publishers and Distributors, New Delhi, 2020.  
3. P.L. Nair and Mahesh Kumar: Textbook of Inorganic Chemistry, 2nd edition, 2020.

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Praveen KUMAR (Presenting)

Chemistry B06 Agenda

Internal Mark Regulation

UNITS	Contents	COs	Cognitive Levels
UNIT-I	Food Chemistry Food adulteration-contamination of food items with clay, starch, water and toxic chemicals, Common adulterants: Food additives, Natural and synthetic COI anti-oxidant, preservative agents (hazardous effect), food colourants, Preservatives, leavening agents, Baking powder and baking soda, yeast, MSG, vinegar. Dyes Classification: Natural, synthetic dyes and their characteristics, basic methods and principles of dyeing.	CO1 CO2 CO3	K1, K2, K3, K4
UNIT-II	Hands on Experience (Students can choose any four) Detection of adulterants in food items like coffee, tea, pepper, chili powder, turmeric powder, butter, ghee, milk, honey etc., by simple techniques. Preparation of jam, squash and jelly, Gulaband, cottage cheese. Preparation of products like candles, soap, detergents, cleaning powder, shampoos, pain balm, tooth paste powder and disinfectants in small scale. Extraction of oils from spices and flowers. Testing of water samples using testing kit.	CO4 CO5	K1, K2, K3, K4, K5

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Praveen KUMAR

Geetha Kannapp...

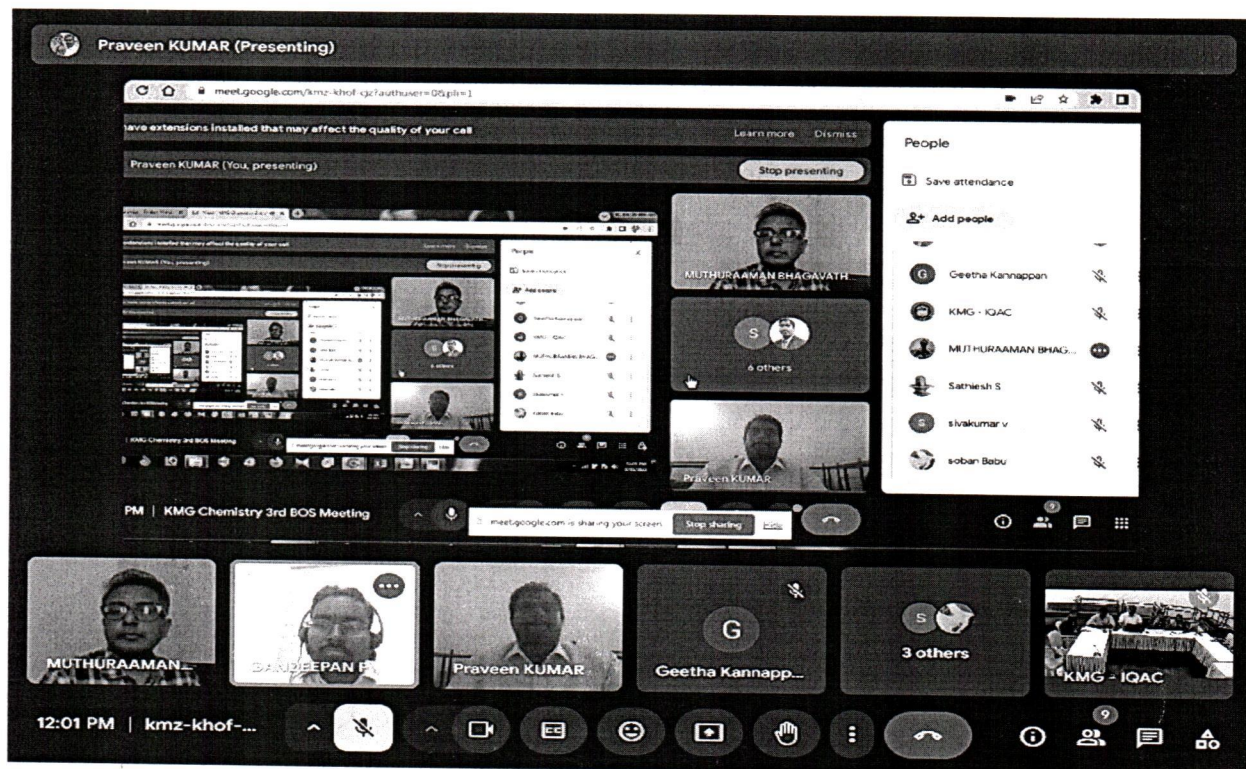
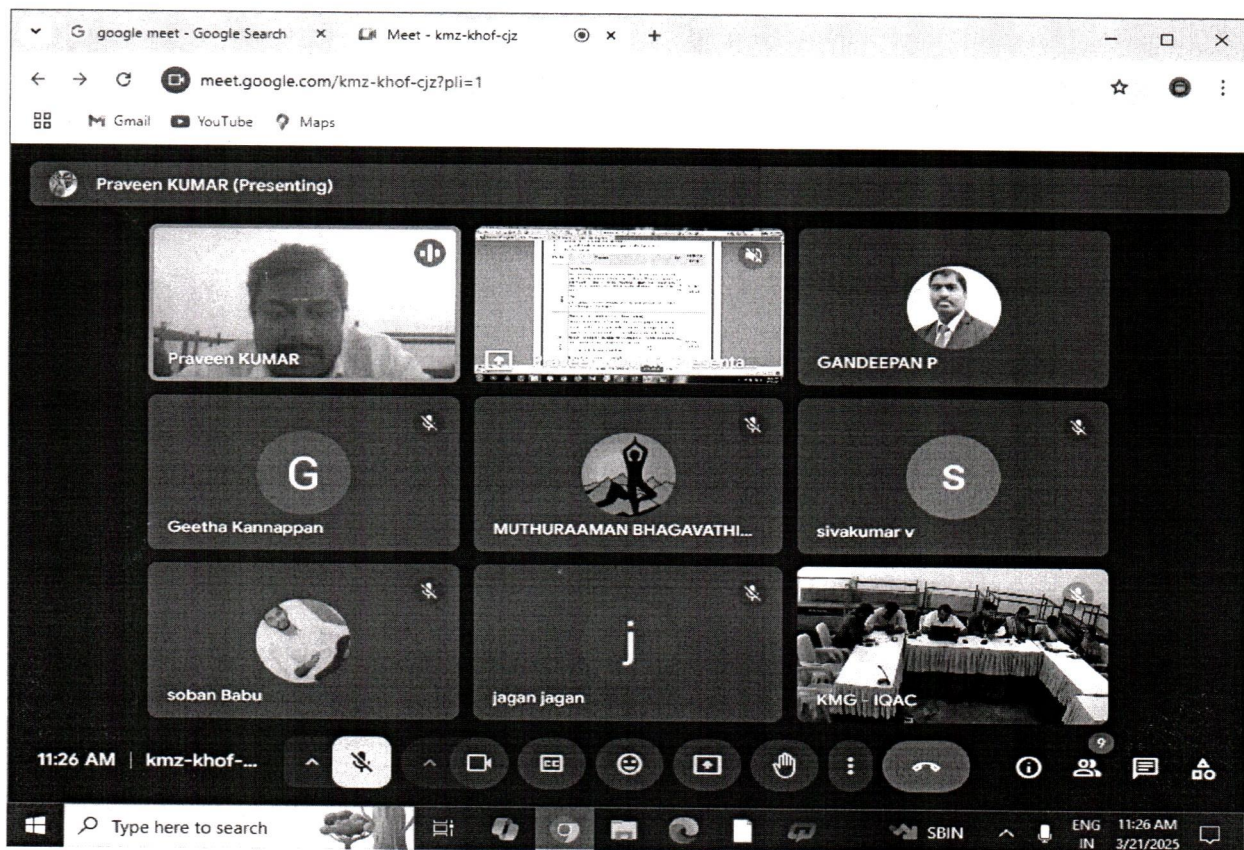
GANDEEPAN P


MUTHURAAMAN...

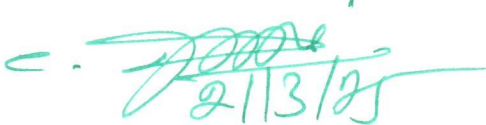
3 others

KMG - IQAC





  
 21/3/25  
 HEAD OF THE DEPARTMENT  
 G & RESEARCH DEPARTMENT OF CHEMISTRY  
 K.M.G. COLLEGE OF ARTS AND SCIENCE  
 (AUTONOMOUS)  
 GUDIYATTAM - 635 803

  
 21/3/25  
 PRINCIPAL,  
 K.M.G. COLLEGE OF ARTS AND SCIENCE  
 (AUTONOMOUS),  
 GUDIYATTAM, VELLORE DISTRICT - 635 803