

Nallamuthu Gounder Mahalingam College, Pollachi (Autonomous)

NAAC Accredited and Affiliated to Bharathiar University

19 PCV401-COSMETICS CHEMISTRY

(A value added course offered by Post Graduate Department of Chemistry)

Offered to: **Students of all streams**

Total Hours: **30Hrs**

Semester of offering: **Even**

MISSION

Provide acquaintance to create healthy, high quality and most accessible personal care and household products for the society by using pure and simple eco-friendly ingredients.

VISION

To become a leading entrepreneur in manufacturing safe and environmentally conscious personal care and household products.

Scope

- The students will be familiar with the physical and chemical properties and reactions of commonly used raw materials in cosmetics.
- Students will be familiar with chemistry (especially the reactivity and stability of an organic molecules based on structure and isomerism) of commonly used chemicals.
- They will know common natural raw materials in cosmetics, especially the basic functional group involved, their properties and applications

Objectives

- This course is designed to provide foundation knowledge of cosmetic principles to address the needs of cosmetic industry.
- Provide practical skills in the area of biology, formulation science,cosmeceuticals (cosmetics with→ skin, hair and oral care benefits) and personal care and hygiene products.
- Provide knowledge on cosmetics, and related sciences,
- Provide with knowledge on marketing approaches on studying consumer need, need gaps, managing competition and global markets.

Course Outcomes

- The student will acquire basic information about the possibilities and limitations of cosmetic products, their importance and marketing.
- To know the prohibited, regulated and authorized ingredients for cosmetic products, their origin, chemical nature and importance.
- To familiar with the principles of production as well as composition of cosmetics and products.

Contact Details:

Dr. V. Prabhu	Email Id: Prabhunmr@gmail.com	Mobile Number: 9487361663
Mrs. K. Vimala Devi	k.vimala83@gmail.com	9865222985
Mrs. R. Mini	minichem1990@gmail.com	9952602887

Course fee: Rs. 350/- Class time: 4.00pm to 5.00 pm Course starts on 16.03.2022
Course admission: first week of March 2022

VALUE ADDED COURSE SCHEME

SEM	Course Code	Title of the Paper	Total hours	Examination				Credits
				Hours	CIA	ESE	Total	
I	19PCV401	Cosmetics chemistry	30	2			50	Grade

19 PCV401-COSMETICS CHEMISTRY

Scope

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- Provide practical skills in the area of biology, formulation science,cosmeceuticals (cosmetics with→ skin, hair and oral care benefits) and personal care and hygiene products.
- Provide knowledge on cosmetics, and related sciences,
- Provide with knowledge on marketing approaches on studying consumer need, need gaps,→ managing competition and global markets.

Employability

- To provide worldwide opportunity to study cosmetic science
- Students have the opportunity to undertake an optional placement and enhance their entrepreneur skill by offering valuable experience.

Nature of Course

Value added certificate course

Advantages

- Students will be familiar with the different exposure of chemicals used in the cosmetics and one can design and practice ecofriendly cosmetics of their own.

Course Outcomes

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- To know the prohibited, regulated and authorized ingredients for cosmetic products, their origin, chemical nature and importance.
- To familiar with the principles of production as well as composition of cosmetics and products.

UNIT-I

L P T

20 10 30 hrs

Cosmetics- Classification, significance, quality control and its importance, stability of product forms and its significance. Physical and chemical properties of agents and designing of different product forms. Review of current product forms in market.

UNIT-II

Basic raw materials, preparation and uses of Hair dye, Shampoo, Lipsticks, Handmade herbal Soap, Herbal tooth powder, Phenyl making, liquid soap and detergents.

UNIT-III

Essential oils and their importance in cosmetic industries with reference to Eugenol, Geraniol, sandalwood oil, eucalyptus, rose oil, Civetone and Muscone. Surfactants- Introduction, physical and chemical properties, its types, HLB scale and its application in cosmetics. Review of commercialized surfactants.

Text Books:

1. Gaurav Kumar Sharma, Jayesh Gadiya and Meenakshi Dhanawat, (2018), *Textbook of Cosmetic Formulations*,.
2. Perry Romanowski Randy Schueller, (1973), *Beginning Cosmetic Chemistry*, 3rd Edition

Reference Books:

1. E. Stocchi: *Industrial Chemistry*, Vol -I, Ellis Horwood Ltd. UK. •
2. P.C. Jain, M. Jain: *Engineering Chemistry*, Dhanpat Rai & Sons, Delhi.
3. B.K. Sharma: *Industrial Chemistry*, Goel Publishing House, Meerut.
4. D.F. Williams, *Chemistry and Technology of the Cosmetics and Toiletries Industries* Springer International Edition.
5. Robert D. Hisrion and Michael P. Peters, *Entrepreneurship* 5th Edition.

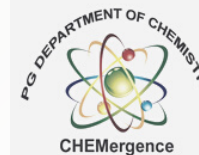


Principal
PRINCIPAL
H C M COLLEGE, POLLACHI



NGM COLLEGE

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CERTIFICATE OF COMPLETION

Value Added Course

This is to certify that **Mr. ANANDAKUMAR. R, II-MSc Chemistry,**
Postgraduate Department of Chemistry, NGM College, Pollachi, has
successfully completed a **Value Added Course** entitled "**Cosmetics
Chemistry**"

lc. P-LL

HOD

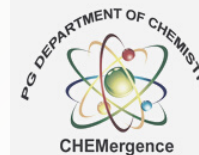


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This is to certify that **Mr. LAKSHMAN VISWANATH, II-MSc Chemistry,**
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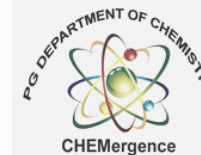


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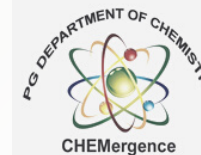


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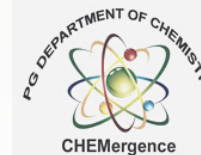


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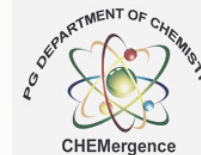


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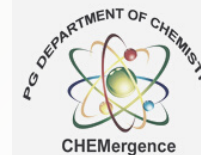


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This is to certify that **Ms. GOKILAPRIYA. G, II-MSc Chemistry,**
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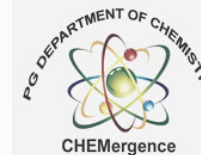


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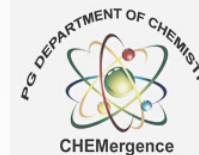


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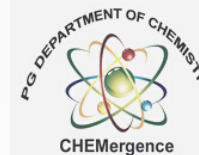


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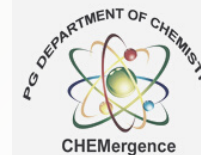


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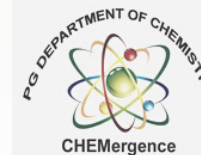


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This is to certify that **Ms. POORNIMA. M, II-MSc Chemistry,**
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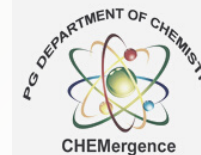


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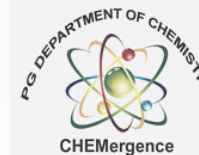


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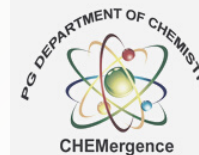


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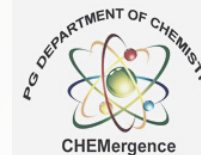


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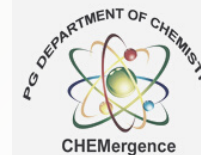


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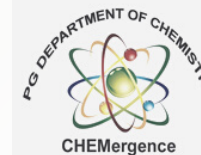


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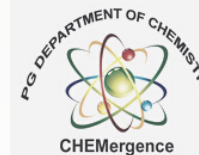


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This is to certify that **Ms. UMA MAGHESWARI. M, II-MSc Chemistry,**
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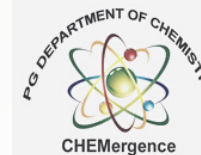


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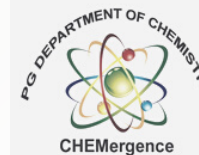


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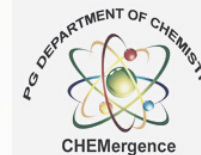


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This is to certify that **Ms. PUSHPAVATHI. K, II-MSc Chemistry,**
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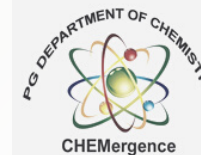


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This is certify that **Mr. R. BHUVANESWARAN, I-MSc Chemistry,**
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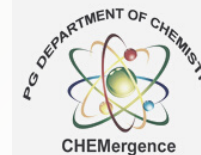


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This is certify that **Mr. NAVANEETHA KRISHNAN. K, I-MSc**
Chemistry, Postgraduate Department of Chemistry, NGM College,
Pollachi, has successfully completed a **Value Added Course** entitled
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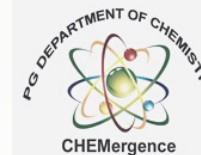


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This is certify that **Mr. PRADEEP.R, I-MSc Chemistry, Postgraduate**
Department of Chemistry, NGM College, Pollachi, has successfully
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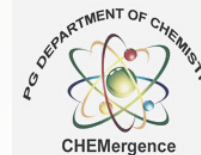


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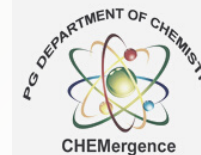


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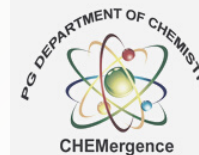


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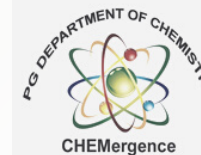


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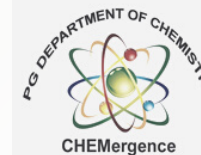


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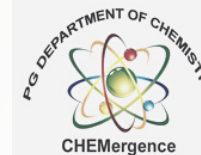


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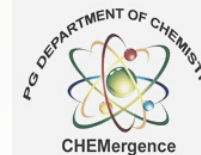


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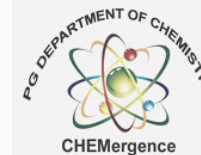


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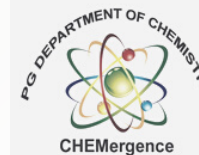


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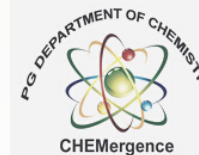


Principal



NGM COLLEGE

(AUTONOMOUS), POLLACHI



CERTIFICATE OF COMPLETION

Value Added Course

This is certify that **Ms. KRISHNA RAJI.M, I-MSc Chemistry,**
Postgraduate Department of Chemistry, NGM College, Pollachi, has
successfully completed a **Value Added Course** entitled "**Cosmetics
Chemistry**"

lc. P-LL

HOD

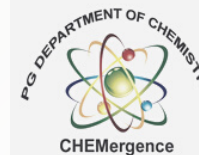


Principal



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(AUTONOMOUS), POLLACHI



CERTIFICATE OF COMPLETION

Value Added Course

This is certify that **Ms. MADHUMITHA.M, I-MSc Chemistry,**
Postgraduate Department of Chemistry, NGM College, Pollachi, has
successfully completed a **Value Added Course** entitled "**Cosmetics
Chemistry**"

lc. P-LL

HOD

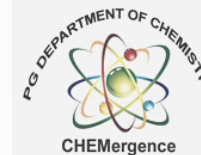


Principal



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CERTIFICATE OF COMPLETION

Value Added Course

This is certify that **Ms. MOHANA PRABHA.A, I-MSc Chemistry,**
Postgraduate Department of Chemistry, NGM College, Pollachi, has
successfully completed a **Value Added Course** entitled "**Cosmetics
Chemistry**"

lc. P-LL

HOD

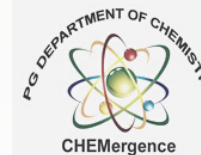


Principal



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CERTIFICATE OF COMPLETION

Value Added Course

This is certify that **Ms. NANDITHA.S.P, I-MSc Chemistry,**
Postgraduate Department of Chemistry, NGM College, Pollachi, has
successfully completed a **Value Added Course** entitled "**Cosmetics
Chemistry**"

lc. P-LL

HOD

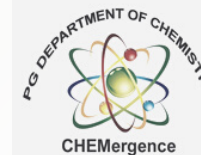


Principal



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CERTIFICATE OF COMPLETION

Value Added Course

This is certify that **Ms. SAJANA.M.S, I-MSc Chemistry,**
Postgraduate Department of Chemistry, NGM College, Pollachi, has
successfully completed a **Value Added Course** entitled "**Cosmetics
Chemistry**"

lc. P-LL

HOD

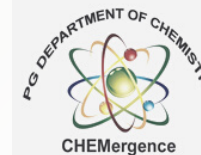


Principal



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Value Added Course

This is certify that **Ms. SAJNA.S, I-MSc Chemistry, Postgraduate**
Department of Chemistry, NGM College, Pollachi, has successfully
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lc. P-LL

HOD

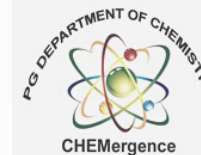


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CERTIFICATE OF COMPLETION

Value Added Course

This is certify that **Ms. SAINA.S, I-MSc Chemistry, Postgraduate**
Department of Chemistry, NGM College, Pollachi, has successfully
completed a **Value Added Course** entitled "**Cosmetics Chemistry.**"

lc. P-LL

HOD

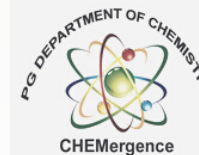


Principal



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CERTIFICATE OF COMPLETION

Value Added Course

This is certify that **Ms. SREEDEVI.J, I-MSc Chemistry, Postgraduate**
Department of Chemistry, NGM College, Pollachi, has successfully
completed a **Value Added Course** entitled "**Cosmetics Chemistry.**"

lc. P-LL

HOD

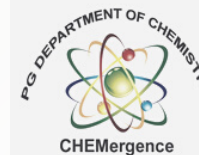


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CERTIFICATE OF COMPLETION

Value Added Course

This is certify that **Ms. SUBHA HARINI.D, II-MSc Chemistry,**
Postgraduate Department of Chemistry, NGM College, Pollachi, has
successfully completed a **Value Added Course** entitled "**Cosmetics
Chemistry.**"

lc. P-LL

HOD

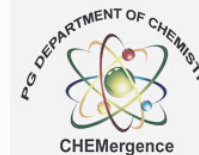


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CERTIFICATE OF COMPLETION

Value Added Course

This is certify that **Ms. THRISHA.K, I-MSc Chemistry, Postgraduate**
Department of Chemistry, NGM College, Pollachi, has successfully
completed a **Value Added Course** entitled "**Cosmetics Chemistry.**"

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