

VALUE ADDED COURSE ON
DOMESTIC PRODUCTS
PREPARATION

Programme Coordinator : Dr. M. RAMESH

Assistant Professor of Chemistry

Course Teacher : Dr. A. SEKAR

Dr. D.VIJI SARAL ELESABETH

Dr. M. RAMESH

Number of Student attended : 92 (2018-2019 Batch),

121 (2019-2020 Batch)

Class Hours & Timing : Seven Saturdays (Five hours per day)

Time: 9.30 am - 3.30 pm

: End of the course conduct 3 Days Workshop

BROCHURE/CIRCULAR

VALUE ADDED COURSE ON DOMESTIC PRODUCTS PREPARATION

Cleaning products play an essential role in our daily lives at home, in school, College and in the office. By safely and effectively removing soils, germs and other contaminants, they prevent the spread of infectious diseases and control allergens, such as dust and dirt. Cleaning products also enable us to care for our homes and possessions.

Chemicals used for cleaning and in cleaning products, such as laundry detergents, bleaches, dishwashing products and other household cleaners, help improve cleaning efficiency, making homes, offices and other environments both easier to clean and more hygienic.

Uses & Benefits

Chemicals in cleaning products like laundry detergent can help these products to perform just as well in cold water as in hot water, enabling consumers to save money and energy when washing their clothes. In addition, highly concentrated liquid laundry formulations made possible by chemistry require less packaging materials and generate less waste.

So what is a Cleaning Product?

Personal hygiene and regular housecleaning are essential to good health. Frequent hand washing is key to preventing the spread of microorganisms (also known as

good cleaning habits and practices, these products play an important role in helping to prevent germs from spreading.

The workshop envisions to encourage the students of all disciplines to learn the methods of preparation of products with available resources. It also motivates them to become future entrepreneurs by learning the tricks of their own trade

In this workshop, the participants will be given a practical training for the preparation of the products like **Detergent washing powder, Hand Sanitizer, Washing Machine liquid, Utensils cleaning powder, Vim Liquid, Soap Oil, White & Sent Phenyl, Bathing Soap, Candles, Agar Bathi, Computer Sambirani, Pain Relieving Balm, Tooth Powder, Face Powder, Liquid Blue and Room freshener.** The products prepared by the participants will be displayed for sale on the day itself in the stalls for the students. The certificate will be authorized by the principle of college, Coordinator of the program

The main objectives of the program are

- To provide students an understanding of the expectations of industry.
- To improve employability skills of graduate students of NMC.
- To bridge the skill gaps and make students industry ready.
- To provide an opportunity to students to develop inter-disciplinary skills.



The Centres of Excellence and Training Centres established in NMC in collaboration with The Tiruchirappalli District Tiny & Small Scale Industries Association, Tiruchirapalli (TIDITSSIA), in addition to the infrastructure and lab facilities available in Chemistry Departments, for conducting these employability enhancing Courses. The Courses focus on

skill development and more than 80% of the time is spent on practical training and problem solving, to provide the requisite understanding towards application of academic topics from graduate disciplines into real world graduate projects.

Learning Outcomes

- Manufacture of candle like **household materials**
- To get knowledge about **manufacture techniques and skills of household materials**
- To acquire knowledge in Soaps and detergents and **formulation process**.
- To familiarize about the **preparation of household materials in different methods**.
- Recognition of the need for, and an ability to engage in **household chemistry in life-long learning**

Duaration of the course 45 hours

Number of intake 50 student per batch

Course Coordinator

Dr. M. Ramesh

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Syllabus

NEHRU MEMORIAL COLLEGE (AUTONOMOUS)

(Nationally Accredited with 'A' Grade by NAAC)

Puthanampatti, Trichy- 621 007

PG & RESEARCH DEPARTMENT OF CHEMISTRY

VALUE ADDED COURSE, ON DOMESTIC PRODUCTS

PREPARATION

STRUCTURE & SYLLABI

(CBCS)

(OPEN ALL)

2018-2019 onwards



COURSE TITLE	Subject CODE	INSTRUCTION HRS/ SEMESTER	CREDITS	EXAM HOURS	TOTAL MARKS
Course - I Entrepreneurship Manufacturing Servicing Sector	18YDPP01	30	04	03	100
Course - II Practical - Domestic Products Preparation	18YDPP02I	15	04	03	100
Total		45	08		200

VALUE ADDED COURSE for all B.Sc Student
DOMESTIC PRODUCTS PREPARATION
COURSE – I

Entrepreneur on Manufacturing Servicing Sector

Unit – I Manufacturing

Processing method – Chemical processing – Preparation of Detergent washing powder,

Hand Sanitizer, Washing Machine liquid, Vim Liquid, Utensils cleaning powder, Soap

Oil, White & perfumed Phenyl, Bathing Soap (chemical & Herbal), Candles, Agar

Bathi, Computer Sambirani, Pain Relieving Balm, Tooth Powder, Face Powder, Liquid

Blue . Trade name and Brand name - Approval and necessary Licence should be obtained from the concerned department

Unit – II Need for Entrepreneur

- How to Maintenance the Enterprises on concern land and building should be prepared depend upon the products.
- Local body approval techniques
- Skilled labour and un-skilled labour usage
- Related machines and equipment should be collected each and every one product
- Measurement and mixing method should be learned thoroughly

Unit – III Accounts

- Administrative arrangement
- Office with one executive
- Records
- Accounts
- All correspond letters should be filed regularly

Unit – IV Maintenance

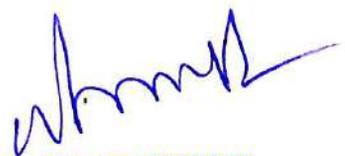
- Bank Account – Cash flow arrangement should be maintained day by day
- Stock maintained – Raw material update entry should be entered
- Purchases and Sales detailed should be maintained
- There is any Loan obtained from the bank should be maintained thoroughly without default

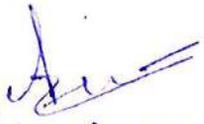
Unit – V Government Loan Schemes

- PMIEGP
- UYFEGP
- NEEDS
- EDII
- MSME
- Proforma for Preliminary Project Report
- TIIIC

Reference Books.

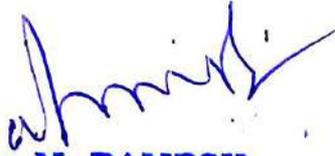
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2. P.K.Chattopadhyay, Modern Technology of Soaps, Detergents and Toiletries, 2nd edition, 2005.
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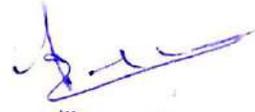

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COURSE – II PRACTICAL
DOMESTIC PRODUCTS PREPARATION

1. Preparation of **Detergent** washing powder
2. Preparation of **Hand Sanitizer**
3. Preparation of **Washing Machine liquid**
4. Preparation of **Utensils cleaning powder**
5. Preparation of **Vim Liquid**
6. Preparation of **Soap Oil**
7. Preparation of **White & Perfumed Phenyl**
8. Preparation of **Bathing Soap**
9. Preparation of **Candles**
10. Preparation of **Agar Bathi**
11. Preparation of **Computer Sambirani**
12. Preparation of **Pain Relieving Balm**
13. Preparation of **Tooth Powder**
14. Preparation of **Face Powder**
15. Preparation of **Liquid Blue**


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