

**DEPARTMENT OF CHEMISTRY**  
**DEVA MATHA COLLEGE, KURAVILANGAD**

**Affiliated to Mahatma Gandhi University, Kottayam**



**SYLLABUS**  
**ADD-ON COURSE**  
**In**  
**Chemistry in Service of Man**  
**Academic Year: 2018-19**



**DEVA MATHA COLLEGE KURAVILANGAD**

**DEPARTMENT OF CHEMISTRY**

*Add on Courses offered for Students: 2018-2019*

## **Chemistry in the Service of Man**

**Department Coordinator: Mrs. Deepa John**

**Title: Chemistry in Service of Man**

Instructional Hours: 30 hrs

Duration: Three Months

Intake Capacity: 50

Eligibility: +2

## **Report on Add On Course conducted by Chemistry Department during 2018-19**

### **Chemistry in Service of Man**

**Course Duration: 30 Hours.**

#### **Modules**

- Paper Carry Bag Making
- Cloth Bag Making
- File and Envelope Making
- Chocolates and fancy sweets Making

#### **Pre-requisites to training**

Inclination for taking up Paper Cover, Paper Bag, Envelope, File, Chocolates and Fancy Sweets Making as a self employment occupation.

#### **OBJECTIVES**

1. Identify business opportunities in chosen sector / sub-sector and plan and market and sell products / services.
2. Understand the various materials and other items required for making Paper Cover, Paper Bag, Envelope and File.
3. Develop finished products such as Paper Cover, Paper Bags, Envelope, File, Fancy paper bag, paper art work etc.

#### **Professional /Technical Skills**

1. Making paper covers from used cover and newspaper
2. Making paper bags, envelopes and files.
3. Making Fancy paper bags, paper art work, paper chart
4. Able to select quality paper for making covers, bags etc.,
5. Able to make paper covers from used cement covers and news papers.
6. Able to make paper bags, envelopes and files.
7. Able to make Fancy paper bags, paper art work, paper chart etc.,
8. Make student excel in screen printing methods
9. Able to make homemade chocolates and fancy sweets
10. Able to make candles and fancy candles

# Syllabus

## Module 1

### **Entrepreneurship ability among students. (5 Hrs)**

Self employment. Pre-requisites of the skill development, time management, entrepreneurial ability. Market study. Defining Competencies – Combination of knowledge, skill, motive and trait. Resource allocation. Coordination, work study balance, core competency.

**Intro session: 5 hrs**

## Module 2

### **Paper Carry Bag Making (7 Hrs)**

Need for paper products Paper bags as substitutes for plastics. Selection of products, availability, paper quality. Raw materials used. Procurement of raw materials. Paper covers from news paper. Fancy paper bags. Paper art work. Paper charts.

**Class: 2 Hrs**

**Practical session demonstration cum training; 6 Hrs**

**Total 6 Hrs**

## Module 3

### **Cloth Bag Making (8Hrs)**

Need for cloth products. Selection of products, availability, different types of cloths used , Raw materials used, Procurement of raw materials., Different types of stitching methods .Art work. Cutting methods, size chart making. Different types of carry bags. Handle for bag. Quality check routine.

**Class: 2 Hrs**

**Practical session demonstration cum training; 6 Hrs**

**Total: 8 Hrs**

## **Module 4**

### **File and Envelope making (5Hrs)**

Different type of files, jute file and paper filers, Cutting methods, Size chart making, Fancy cover, Thread and lock making in files. Different type of envelopes, Fancy envelopes, Different paper quality, cutting methods.

**Session 1 hr**

**Practical session demonstration cum training; 4 Hrs**

**Total: 5 hrs**

## **Module 5 (5Hrs)**

### **Chocolate making**

Chocolate making- **Practical session demonstration cum training; 4 Hrs**

## **OUTCOMES**

At the end of the training, the candidates will be able to

1. Appreciate the importance of embarking on self-employment and has developed the confidence and personal skills for the same.
2. Start a small business enterprise by liaising with different stake holders.
3. Effectively manage small business enterprise.
4. Make different types of Paper Cover, Bag, Envelope and File by using the various types of papers and technologies.
5. Make different homemade sweets e.g.: chocolates.

**Assessment Procedure:** The add on course shall carry 60 marks with 50% Continuous Assessment (equal weightage to Assignment, practical and viva voce) and 50% written examination of 1 hour duration.

### Grading

The percentage of marks obtained by a candidate in a course will be indicated in a letter grade. Evaluation of the performance of the student will be rated as shown in the Table.

Letter Grade	Marks %
A	90 and above
B	80-89
C	70-79
D	60-69
E	50-59
RA(Reappearance)	< 50
W	Withdrawn from the examination



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