

Department of Chemistry

Value-Added Course

VACCHCI22 - COTTAGE INDUSTRIES

Code	Title of The Paper	Hours
VACCHCI22	Cottage Industries	30

Learning Objectives:

- To teach basic skills in needle work, hand embroidery, paper craft and baking.
- To impart skills for preparing household small-scale products.
- To enable the students to initiate start-ups for employment.

Course Learning Outcomes:

CLO1: The students will develop skills in hand embroidery, bead work and mirror work.

CLO2: The students will be able to bake cookies, bread and cakes.

CLO3: The students will be able to prepare household small scale products such as soap, phenyl, herbal oil, mosquito repellent and dish washing powder.

CLO4: The students will be able to initiate start-ups for employment.

CLO5: The students will learn the art of packing, branding and marketing.

Unit 1: Embroidery and Needle work

(6 hours)

Motif –Meaning, types, placement. Hand Embroidery: Introduction tools and equipments. Basic stitches of Hand embroidery- Techniques and Applications. Types of stitches – Back stitch, chain stitch, stem stitch, feather stitch, fish hole stitch, cross stitch and satin stitch. Basics in bead work and mirror work.

Unit 2: Baking

(6 hours)

Basic baking ingredients – Essential equipment and uses. Characteristics and functions of flour, sugar, eggs and milk Products, leavening agents, chocolate and cocoa, salt, spices and flavourings in the baking of cakes. Textures and decoration of cakes. Yeast - raised products – White bread and Wheat bread. White dinner rolls – Basic sweet dough. Cookies – Drop cookies – Rolled cookies – Bar cookies.

Unit 3: Paper Craft

(6 hours)

Different types of Paper craft- Flower craft, wall hangings, decorative paper work, Paper bags, card making and origami.

Unit 4: Small Scale Products

(6 hours)

Preparation of household products: Phenyl, Soap and Shampoo – Basic ingredients, method of preparation, packing and marketing.

Unit 5: Small Scale Products

(6 hours)

Herbal hair growth oil, Herbal Mosquito repellent and dish wash powder: Collection and storage of raw materials, preparation, packing and marketing.