



**GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)**

**KUMBAKONAM – 612 001**

*Affiliated to Bharathidasan University*

**DST - CURIE Sponsored Institution**

**IV Cycle of Accreditation**

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## **CRITERION I - CURRICULAR ASPECTS**

### **1.3 Curriculum Enrichment**

#### **1.3.2 Certificate Courses/Value-added Courses**

## ***Value added Courses***

**Department of Botany  
2022-2023**

### **Syllabus**

**1.Pomology  
2.Floriculture**

GOVERNMENT COLLEGE FOR WOMEN(A), KUMBAKONAM  
DEPARTMENT OF BOTANY

VALUE ADDED COURSES  
COURSE NAME: FLORICULTURE

Hours : 30 hours  
Exam Hours : 3

Course code: 22VACBO01  
Credit: 2  
Marks: 100

**Course Objective :**

To have knowledge of gardening and cultivation of ornamental plants and knowledge of landscaping, soil condition.

**Learning outcomes:**

After completing this course the learner will be able to:

1. Develop conceptual understanding of gardening from historical perspective
2. Analyze various nursery management practices with routine garden operations.
3. Distinguish among the various Ornamental Plants and their cultivation
4. Evaluate garden designs of different countries
5. Appraise the landscaping of public and commercial places for floriculture.
6. Diagnoses the various diseases and uses of pests for ornamental plants.

**Course content :**

- History of gardening; Importance and scope of floriculture and Identification of commercially important floricultural crops.
- Preparation of flower bed.
- Seed sowing and transplantation methods.
- Propagation by cutting, layering, budding and grafting.
- Patterns of flower arrangement in vase.
- Use of chemicals and other compounds for prolonging the vase life of cut flowers.
- Drying and preservation of flowers.
- Study of disease and pests of ornamental plants.
- Garden designing and hedge preparation methods.
- Field visit to flower gardens

  
Course Coordinator

  
Head of the Department

**VALUE ADDED COURSES**  
**COURSE NAME: POMOLOGY**

Hours	: 30 hours	Course code: 22VACBO02
Exam Hours	:3	Credit:2
		Marks:100

**Learning Objectives :**

1. Understand pomology, tropical fruit cultivation, its status, fruit growing regions of India and in Tamil Nadu.
2. Find out the overall strategies and techniques to grow different commercial fruits.
3. Impart knowledge on cultivation methods of some prominent fruit varieties.
4. Learn about the cultivation methods of subtropical and tropical fruits.
5. Study about temperate fruits and their propagation methods.

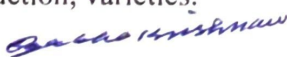
**Course outcomes:**

1. Gain information about cultivation of Indian fruits.
2. Gain information about cultivation of Indian fruits.
3. Understand Pomology, tropical fruit cultivation of India.
4. Identify methods for producing subtropical humid zone fruits.
5. Get a thorough knowledge about classification and production methods of temperate fruits.
6. Learn about the production of export varieties of fruits.

**Course content :**

- Introduction to tropical fruits: Tropical fruits cultivation .
- Past and present status of tropical fruits in India.
- General appraisal of fruit growing regions / Zones in India and Tamil Nadu.
- Production, productivity, varieties- exportable varieties. Climate and soil requirements - propagative techniques
- Harvesting techniques – post harvest handling & post-harvest treatments - ripening of fruits.
- Storage and processing of Mango, Banana.
- Subtropical and humid zones of India and Tamil Nadu – importance and scope of fruit crops in these zones – varieties,
- Classification of temperate fruits – detailed study of area, production, varieties.

  
Course Coordinator

  
Head of the Department