






AQAR 2020-21

1.3 Curriculum Enrichment

1.3.2 Value Added Course Report- Botany





DEPARTMENT OF BOTANY

ST. JOSEPH'S COLLEGE (AUTONOMOUS)
Special Heritage Status awarded by UGC
Accredited at A++ Grade (4th cycle) by NAAC
TIRUCHIRAPPALLI - 620002.






Value Added Course
on
HORTICULTURE AND FLORICULTURE

Batch - II
2021



Hands on Training:

- * Methods of Plant propagation (Cutting, Layering, Budding Pruning and Grafting techniques).
- * The techniques of Soil mixture.
- * Architecture of landscaping.
- * Flower Decorations (Wet Flower and Dry Flower).
- * Wreath Making Techniques (Bridal, X Mas and Flower Girl).
- * Bonsai Techniques, and Cactus Culture techniques.
- * The techniques of Topiary.
- * To learn the beautiful technique of Terrarium.



Eligibility: UG and PG
Duration: 30 Hours
Fee: Rs.400/-

INAGURATION ON 4th FEBRUARY 2021, THURSDAY
TIME : 2.00pm

Course Organisers:

Dr. S. R. SENTHILKUMAR.
Head of the Department

Dr. M. BASTIN CHURCHILL
Assistant professor

ABSTRACT

Horticulture is the science and art of the development, sustainable production, marketing, and use of high-value, intensively cultivated food and ornamental plants. Floriculture, or flower farming, is a discipline of horticulture concerned with the cultivation of flowering and ornamental plants for gardens and for floristry, comprising the floral industry. The development, via plant breeding, of new varieties is a major occupation of floriculturists. Landscape design is an independent profession and a design and art tradition, practiced by landscape designers, combining nature and culture.

REPORT
VALUE ADDED COURSE

INAUGURATION

On 04.02.2021, value added course was inaugurated by DR. S. R. SENTHILKUMAR Ph.d, Head of the department (Botany) and also himself delivers the presidential address. Then the introduction of the course 'Horticulture and Floriculture' was given by the course organizer DR. M. BASTIN CHURCHILL Ph.d, Assistant professor, Department of Botany.

Day 1 – Grafting techniques

Grafting and budding are horticultural techniques used to join parts from two or more plants so that they appear to grow as a single plant. In grafting, the upper part (scion) of one plant grows on the root system (rootstock) of another plant. In the budding process, a bud is taken from one plant and grown on another. The students were divided into groups consists of five members each and were done the grafting techniques.

Day 2 – Soil mixture

Soil mix is a growth substrate that influences the development of plants, their root extension and correct nutrient intake to answer their needs.

Day 3 & 4 – Wreath making techniques

A wreath is an assortment of flowers, leaves, fruits, twigs, or various materials that is constructed to form a ring. In English-speaking countries, wreaths are used typically as household ornaments, most commonly as an Advent and Christmas decoration. It was done using both fresh and dry flowers.

Day 5 & 6 – Maintenance techniques

The idea of **indoor gardening** is essentially just growing plants indoors. There are, however, many different purposes for indoor gardening and multiple styles and techniques that can be used and building a **terrace garden** helps in keeping your home cool, it is great for the people living in tropical areas.

Day 7 – Bonsai techniques

"Bonsai" refers to miniaturized, container-grown trees adhering to Japanese tradition and principles. Purposes of **bonsai** are primarily contemplation for the viewer, and the pleasant exercise of effort and ingenuity for the grower.

Day 8 – Topiary Techniques

Topiary is the horticultural practice of training perennial plants by clipping the foliage and twigs of trees, shrubs and subshrubs to develop and maintain clearly defined shapes, whether geometric or fanciful.

Day 9 – Cactus culture and cultivation techniques

In cactus culture the leaves of Cactus are to be planted at a depth of 5 to 7 cm below the soil. Within a few days, the propagated plant grow into a new plant. However, there is no need for investing in land preparation as it requires very less quantity of water and maintenance.

Day 10 – Terrarium techniques

Terrarium is like an aquarium, but for plants instead of fish. It is made in just about any glass container. It is planted to look like a miniature garden or forest enclosed in its own little world.

Day 11 – Hamper arrangements

A hamper refers to one of several related basket-like items. In primarily British usage, it refers to a wicker basket, usually large, that is used for the transport of items, often food.

Day 12, 13 & 14 – Fresh and Dry Flower arrangements

Floral design or flower arrangement is the art of using plant materials and flowers to create an eye-catching and balanced composition or display. A flower bouquet is a collection of flowers in a creative arrangement. Flower bouquets can be arranged for the decor of homes or public buildings, or may be handheld.

VALEDICTION

On 26.02.2021, value added course valediction was conducted in the presence REV. FR. PETER SJ, Secretary sjc and REV. FR. JOHN ARULANANTHAM SJ, Vice principal sjc. The welcome address was felicitated by DR. S. R. SENTHILKUMAR Ph.d, Head of Department, Botany and then few words from Rev. Fr. Peter SJ. Then the course certificates were given to the participants and also two students were given the feedback on this value added course. Then finally Vote of thanks was delivered by the course organizer DR. M. BASTIN CHURCHILL Ph.d, Assistant professor, Department of botany.

THANK YOU

DEPARTMENT OF BOTANY

St. Joseph's College - Trichy

VALUE ADDED COURSE

Syllabus for the course: Duration: 30 Hours / 15 days / Per Day – 2 Hours

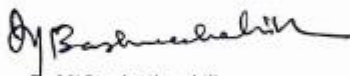
Inaugurated on: 04.02.2021 Course Competition on: 23.02.2021 Felicitation on: 24.02.2021

S.No	Date	Theory	Techniques and Hands on Training
1	04.02.2021	Inauguration / Introduction	Inauguration / Introduction
2	05.02.2021	Plant Propagation	Grafting Techniques
3	08.02.2021	The techniques of Soil Mixture	The techniques of Soil Mixture
4	09.02.2021	Wreath Making Fresh Flower	Wreath Making Techniques
5	10.02.2021	Wreath Making dry Flower	Wreath Making Techniques
6	11.02.2021	Roof Terrace –Garden	Maintenance and Techniques
7	12.02.2021	Indoor gardening –flowers	Maintenance and Techniques
8	15.02.2021	Bonsai techniques	Bonsai techniques
9	16.02.2021	Topiary	Topiary - Techniques
10	17.02.2021	Cactus propagation	Cactus Culture and cultivation Techniques
11	18.02.2021	Terrarium Fresh and Dry setup.	Terrarium Techniques
12	19.02.2021	Hampering Arrangements	Hampering Arrangements and Techniques
13	22.02.2021	Dry Flower Arrangements	Dry Flower Arrangements
14	23.02.2021	Fresh Flower Arrangements	Fresh Flower Arrangements and Techniques
15	24.02.2021	Fresh Flower Arrangements	Fresh Flower Arrangements and Techniques

Course Organizer s

Dr.S.R. Senthil Kumar

Head of the department


Dr.M. Bastin Churchill
Assistant Professor