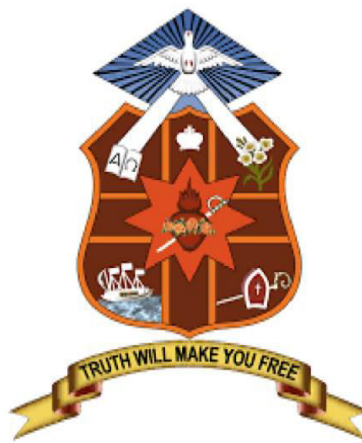


PG DEPARTMENT OF BOTANY
DEVA MATHA COLLEGE, KURAVILANGAD

Affiliated to Mahatma Gandhi University, Kottayam



REPORT
ON
ADD-ON COURSE

Horticulture Applications : DMCK/ SFBOT/AD 18/2023

Academic Year: 2023-2024

Academic year :2023-2024
Title : Horticulture Applications : DMCK/ SFBOT/AD 18/2023
Instructional Hours : 30 Hours
Duration : 1 month
Mode of Instruction :Offline
Intake Capacity : 25
Eligibility : Any degree
Beneficiaries : I PG students
Date(s) on which program was conducted : December 2023
Collaborating agency inside/outside the institute : -
Organizing Dept./Club & Name of the Coordinator : PG department of botany
Devamatha college, Kuravilangad
Name of the Coordinator : Sreekutty Sreedharan
Number of students participated in the programme : 9
The number of students completed the programme :9

Report

As a part of our curriculum, we conduct an add on course ‘Horticulture’ for our first PG students [2021-2023 Batch]. Students actively participated in this course. We arranged online and offline classes for the students. We also conducted a one day workshop on flower arrangement and bouquet making.

The specific objectives of the training workshop were to familiarize or refresh participants’ knowledge about the basic concepts, principles, components and approaches to the flower arrangement and bouquet making, Highlight the importance of horticulture and benefits and provide guidelines to the participants about horticulture and flower arrangement. Certificates are distributed to the successful participants.

POST GRADUATE DEPARTMENT OF BOTANY
DEVAMATHA COLLEGE, KURAVILANGAD
Add on course : Horticulture [I PG]

Syllabus

[Theory – 17 hrs]

Module 1 – Introduction to Horticulture [1 hr]

Module 2– Modern Trends in Gardening [2 hrs]

- a. Indoor gardening - Preparation of Indoor garden
- b. Vertical gardening - Preparation of Vertical garden

Module 3 - Flower arrangements [5 hrs]

- a. Fresh flower arrangements - Essentials in flower arrangement, Principles of flower arrangement, Equipments for flower arrangement, Floral Arrangement Styles
- b. Dry flower arrangements - Materials for dried arrangement, Advantages of dried arrangement over fresh flowers

Module 4 - Modern Trends in Horticulture [3 hrs]

- a. Terrarium - Types of Terrarium, Preparation of a Terrarium and its steps, Maintenance of the terrarium, Plants suitable for terrarium
- b. Bonsai – Making, Caring and styles of bonsai

Module 5 - Propagation methods [6 hrs]

- a. Layering - Ground layering, Compound layering, Tip layering, Air layering, Trench Layering and Mound layering
- b. Budding - T-Budding, Inverted T-Budding and Patch Budding.

c. Grafting - Whip and Tongue grafting, Wedge grafting, Crown grafting, Side grafting and Approach grafting

[Practical - 13 hrs]

a. Preparation of fresh flower arrangements

i. All-round arrangement

ii. Facing arrangement

iii. Mass style

iv. Line Arrangements

v. Triangular Arrangement

vi. Crescent Arrangement

vii. 'S' shaped flower arrangement

b. Preparation of dry flower arrangements

c. Preparation of a Terrarium

d. Propagation methods – Layering, Budding and Grafting

Assessment Procedures

INTERPRETATION CRITERIA

- A⁺ : 20 - 25 marks
- A : 15 – 19 marks
- B : 10 – 14 marks
- C : Below 10

Course outcome

- CO1: The study of scope and importance of horticulture, division of horticulture, classification of horticultural plants, brief note on some families of horticultural importance
- CO2: Complete knowledge about Scope and importance of commercial floriculture
- CO3: awareness of basics of ornamental and landscape gardening
- CO3: aware with the mechanism of Pest and Disease Management of Horticultural Crops

List of Resource Persons = 0

List of students

1.	ANJALY JOSE
2.	ARYA K V
3.	BOBY SEBASTIAN
4.	CHANDANA KRISHNA
5.	GOPIKA M N
6.	JASEELA AMEER
7.	NANDANA R
8.	NEERAJA A
9.	SUMAYYA SHAJAHAN

Mark list

Sl.no.	Name	Mark
1.	ANJALY JOSE	14/25
2.	ARYA K V	12/25
3.	BOBY SEBASTIAN	20/25
4.	CHANDANA KRISHNA	12/25
5.	GOPIKA M N	12/25
6.	JASEELA AMEER	15/25
7.	NANDANA R	17/25
8.	NEERAJA A	19/25
9.	SUMAYYA SHAJAHAN	12/25

Attendance sheet of students

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DEVA MATHA COLLEGE
P.G. STUDENTS

Year & Month: DECEMBER, 2023

Sl. No.	Name	P.G. STUDENTS									KURAVILANGAD																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
22 Pn 772	A. ANILY JAY	am									am																		
22 Pn 774	Q. Q. Q. Q. Q.	am									am																		
22 Pn 779	B. B. B. B. B.	am									am																		
22 Pn 780	C. C. C. C. C.	am									am																		
22 Pn 781	D. D. D. D. D.	am									am																		
22 Pn 782	E. E. E. E. E.	am									am																		
22 Pn 783	F. F. F. F. F.	am									am																		
22 Pn 784	G. G. G. G. G.	am									am																		
22 Pn 786	H. H. H. H. H.	am									am																		

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2024/11/27 10:09

2024/11/27 10:14

Name of the coordinator ; SREEKUTTY SREEDHARAN

Department ; PG department of Botany