

POST GRADUATE DEPARTMENT OF BOTANY (SF)

DEVA MATHA COLLEGE, KURAVILANGAD

Affiliated to Mahatma Gandhi University, Kottayam



REPORT

ON

ADD-ON COURSE

Horticulture Applications [DMCK/SFBOT/AD32/2022]

Academic Year: 2022-2023

**POST GRADUATE DEPARTMENT OF BOTANY
DEVAMATHA COLLEGE, KURAVILANGAD**

2022-2024 BATCH[I PG]

**Add on course : Horticulture Applications
[DMCK/SFBOT/AD32/2022]**

Academic year	: 2022-2023
Title of the course	: Horticulture Applications
Course code	: [DMCK/SFBOT/AD32/2022]
Instructional Hours	: 30 Hours
Duration	: One month
Date(s) on which program conducted	: January 2023
Mode of Instruction	: Offline
Intake Capacity	: 25
Eligibility	: Any degree
Collaborating agency inside or outside the institute	: No
Beneficiaries	: I PG [2022-2024 BATCH]
Organizing Dept./Club	: PG department of botany
Name of the Coordinator	: Sreekutty Sreedharan
Number of students participated in the program	: 8
The number of students completed the programme	: 8

Brochure



DEVA MATHA COLLEGE KURAVILANGAD

DEPARTMENT OF SELF FINANCE BOTANY PG

Add on Courses offered for Students : 2022-2023

- 1. Botany in Everyday Life
DMCK/ SFBOT/AD 31/2022**
- 2. Horticulture Applications
DMCK/ SFBOT/AD 32/2022**



Department Coordinator: Ms. Sreekutty Sreedharan

POST GRADUATE DEPARTMENT OF BOTANY (SF) DEVA MATHA COLLEGE, KURAVILANGAD

Add on course : Horticulture Applications [DMCK/SFBOT/AD32/2022]

Objectives

- Demonstrate a working knowledge and appreciation of the diversity of plants
- Demonstrate the knowledge, skills and attributes to be successful contributing members of the horticulture profession.



Report

As a part of our curriculum, we conduct an add on course 'Horticulture Applications' for our first PG students [2022-2024 Batch]. Students actively participated in this course. We arranged offline classes for the students. We also conducted a one day workshop on flower arrangement and bouquet making. The workshop was managed by Dr. C T Chandralekha and Sreekutty Sreedharan.

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.

Objectives

- Demonstrate a working knowledge and appreciation of the diversity of plants, their culture and utilization.
- Apply horticultural principles to the successful growth and production of horticultural plants.
- Demonstrate the knowledge, skills and attributes to be successful contributing members of the horticulture profession.
- Recognize and apply ethical professional practices to horticultural applications.
- Synthesize and integrate information to solve horticultural problems.

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

Class tests conducted for students to test the knowledge, skills, and aptitude acquired by the students.

Assessment criteria

Mark	Grade
8-10	A
6-7	B
4-5	C
2-3	D
0-1	E

Mark list

Sl.no.	Name of the student	Mark obtained [out of 10]
1.	A C SREELAKSHMI	9
2.	ABIYA JOSEPH	8
3.	ANN MARIA THANKACHAN	8
4.	ANNA GEETHU	9
5.	ARAVIND MOHAN V R	9
6.	HENSHEL MATHEW	8
7.	JISSA GEORGE	9
8.	NEENU THOMAS	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 students

1.	A C SREELAKSHMI
2.	ABIYA JOSEPH
3.	ANN MARIA THANKACHAN
4.	ANNA GEETHU
5.	ARAVIND MOHAN V R
6.	HENSCHEL MATHEW
7.	JISSA GEORGE
8.	NEENU THOMAS

Attendance sheet

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


Attendance list of students

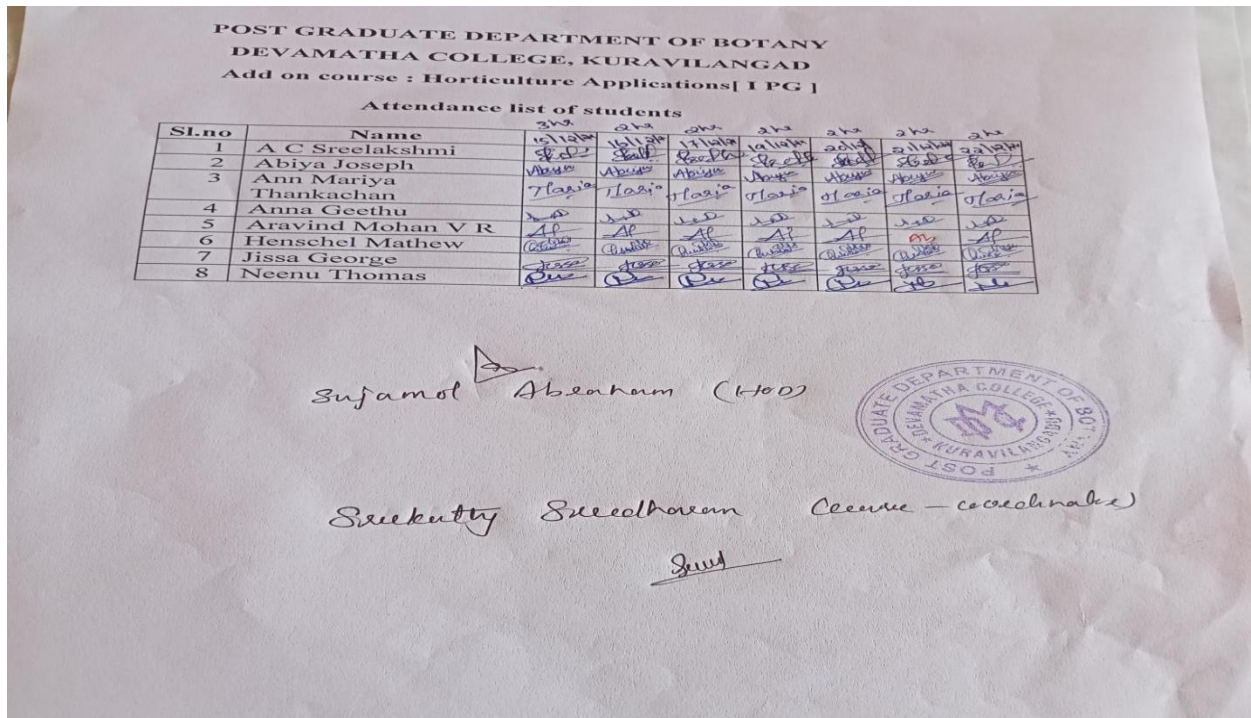
Sl.no	Name	2/12	2/12	2/12	2/12	2/12	2/12	2/12
1	A C Sreelakshmi	Present	Present	Present	Present	Present	Present	Present
2	Abiya Joseph	Present	Present	Present	Present	Present	Present	Present
3	Ann Mariya Thankachan	Present	Present	Present	Present	Present	Present	Present
4	Anna Geethu	Present	Present	Present	Present	Present	Present	Present
5	Aravind Mohan V R	Present	Present	Present	Present	Present	Present	Present
6	Henschel Mathew	Present	Present	Present	Present	Present	Present	Present
7	Jissa George	Present	Present	Present	Present	Present	Present	Present
8	Neenu Thomas	Present	Present	Present	Present	Present	Present	Present

S. J. Sreedharan (HOD)

Sreekalthy Sreedhasan (Course co-ordinator)

Sreedharan

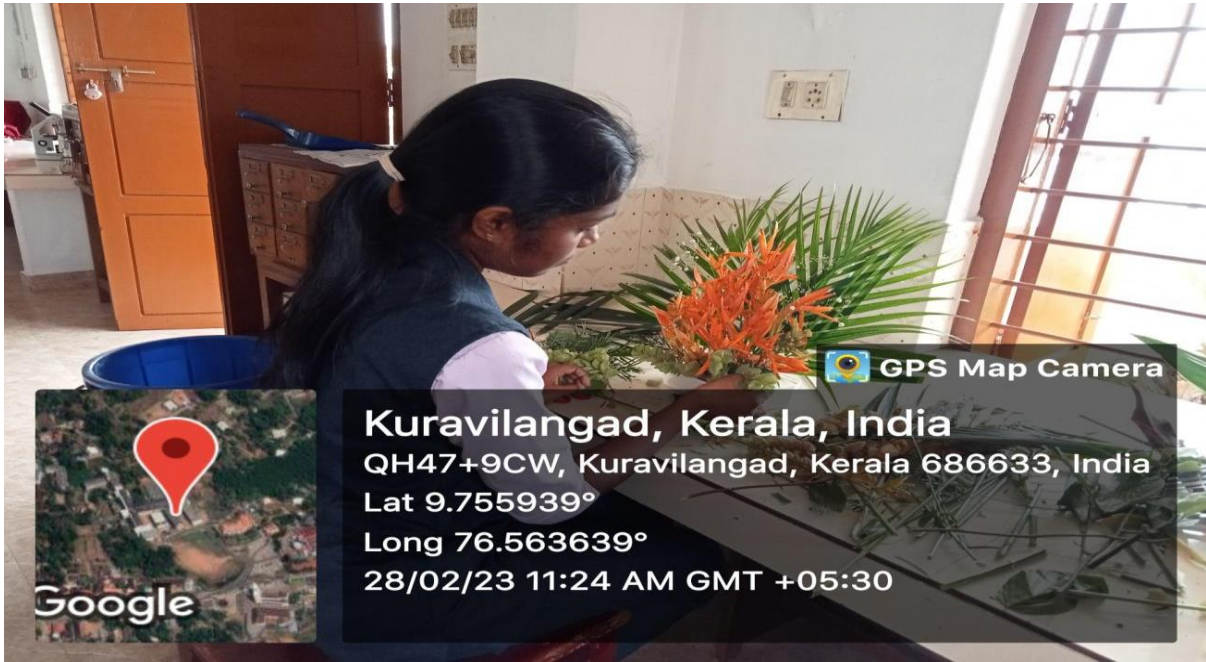




Photos

Workshop on flower arrangement by Dr. C T Chandralekha







Certificate

PO A16e
23/03/16 11:10

**DEVA MATHA COLLEGE KURAVILANGAD**
Re-Accredited with 'A' Grade (CGPA 3.23) by NAAC in 2017
Affiliated to Mahatma Gandhi University, Kottayam
Website: www.devamatha.ac.in, E-Mail: principaldmck@gmail.com

TRUTH WILL MAKE YOU FREE



Certificate

This is to certify that **A. C Sreelakshmi** has successfully completed the Add-on Programme titled **Horticulture Applications** (DMCK/ SFBOT/AD 32/2022) conducted by the PG Department of Botany (SF), Deva Matha College Kuravilangad during the academic year 2022-23 with 'A' grade.

Certificate No: 1036



Kuravilangad
13-03-2023


Ms. Sreekutty Sreedharan
Programme Co-ordinator


Ms. Arunima Sebastian
General Co-ordinator


Dr. Sunil C. Mathew
Principal

Feed Back

Name	Class	[Rate your overall experience of the course]	The course met my expectations	How useful to you was this course
NEENU THOMAS	22PG 758	Excellent	Strongly agree	Very useful
Anna Geethu	M.Sc Botany	Excellent	Strongly agree	Very useful
ABIYA JOSEPH	22 PG 752	Very good	Agree	Very useful
A C Sreelakshmi	1st yr MSC Botany	Very good	Agree	Useful
Jissa George	1st year Msc.Botany	Satisfactory	Strongly agree	Very useful
HENSCHEL MATHEW	1St PG Botany	Excellent	Strongly agree	Very useful
Aravind Mohan V R	1st year MSc Botany	Excellent	Strongly agree	Useful
Ann Maria Thankachan	I Msc botany	Excellent	Strongly agree	Very useful

Name of the coordinator : Sreekutty Sreedharan

Department : PG Department of Botany

Dr. Brincy Mathew
Add-on Course General Coordinator



Principal
Deva Matha College
Kuravilangad - 686 633