

POST GRADUATE DEPARTMENT OF BOTANY
DEVA MATHA COLLEGE, KURAVILANGAD
Affiliated to Mahatma Gandhi University, Kottayam



REPORT
OF
ADD-ON COURSE
IN
Horticulture [DMCK/SFBOT/AD 36/2021]
Conducted for I MSc Zoology
Academic Year 2021-22

Add on course : Horticulture [DMCK/SFBOT/AD 36/2021]

Academic year	:	2021-2022
Date(s) on which program conducted	:	January 2022 – March 2022
Collaborating agency inside or outside the institute	:	No
Beneficiaries	:	I PG students [2020-2022 BATCH]
Number of teachers coordinated the program	:	1
Number of students participated in the program	:	18

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 workshop was managed by Dr. Smitha .S [Assistant Professor, Dept of Biotechnology (self financing), CMS College, Kottayam.

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]2021-2023 BATCH

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

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

[Practical - 13 hrs]

- a. Preparation of fresh flower arrangements
 - i. All-round arrangement
 - ii. Facing arrangement
 - iii. Mass style
 - iv. Line Arrangements
 - v. TriangularArrangement
 - 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

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

2021-2023 BATCH[I PG]

Add on course : Horticulture [DMCK/SFBOT/AD 36/2021]

List of students

2. ARUN CHANDRABABU
3. DON JOSE VARGHESE
4. VENKATESH T. K
5. ANEESHA DEVASIA
6. ANJANAMOL
7. ANN MARIYA THANKACHAN
8. ARSHITHA S NAIR
9. DIVYA HARI
10. FATHIMA M I
11. MARIYA THOMAS
12. MARY YAMIN
13. MEHARUNISA D S
14. NAVYA TOM
15. NIRANJANA MOHAN
16. PRETTY GEORGE
17. RAJASREE .T
18. RESHMA .R
19. SONA .P

Workshop on flower arrangement by Dr. Smitha .S [Assistant Professor, Dept of Biotechnology (self financing), CMS College, Kottayam.

















Attendance list of students

Add on course : Horticulture [I PG] [2021 - 2023 BATCH]

Attendance List of students

Sl.no.	Name of the students	OFFLINE				CLASS		
		11/1/22	12/1/22	13/1/22	14/1/22	15/1/22	16/1/22	19/1/22
1	ARUN CHANDRABABU	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB
2	DON JOSE VARGHESE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	VENKATESH T. K	<i>[Signature]</i>	AB	AB	AB	AB	<i>[Signature]</i>	AB
4	ANEESHA DEVASIA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	AB	AB
5	ANJANAMOL	AB	AB	AB	AB	AB	<i>[Signature]</i>	<i>[Signature]</i>
6	ANN MARIYA THANKACHAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	AB	AB	<i>[Signature]</i>
7	ARSHITHA S NAIR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	DIVYA HARI	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	FATHIMA M I	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	<i>[Signature]</i>	<i>[Signature]</i>
10	MARIYA THOMAS	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	MARY YAMIN	AB	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	MEHARUNISA D S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	<i>[Signature]</i>	<i>[Signature]</i>
13	NAVYA TOM	AB	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14	NIRANJANA MOHAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15	PRETTY GEORGE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	<i>[Signature]</i>
16	RAJASREE T	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	AB	AB
17	RESHMA R	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	AB	AB
18	SONA P	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	AB	AB

Add on course : Horticulture [I PG]

Attendance List of students

Sl.no.	Name of the students	ONLINE			CLASS		
		20/11/22	21/11/22	25/11/22	27/11/22	28/11/22	29/11/22
1	ARUN CHANDRABABU	✓	✓	✓	✓	✓	✓
2	DON JOSE VARGHESE	✓	✓	✓	✓	✓	✓
3	VENKATESH T. K	✓	✓	✓	✓	✓	✓
4	ANEESHA DEVASIA	✓	✓	✓	✓	✓	✓
5	ANJANAMOL	✓	✓	✓	✓	✓	✓
6	ANN MARIYA THANKACHAN	✓	✓	✓	✓	✓	✓
7	ARSHITHA S NAIR	✓	✓	✓	✓	✓	✓
8	DIVYA HARI	✓	✓	✓	✓	✓	✓
9	FATHIMA M I	✓	✓	✓	✓	✓	✓
10	MARIYA THOMAS	✓	✓	✓	✓	✓	✓
11	MARY YAMIN	✓	✓	✓	✓	✓	✓
12	MEHARUNISA D S	✓	✓	✓	✓	✓	✓
13	NAVYA TOM	✓	✓	✓	✓	✓	✓
14	NIRANJANA MOHAN	✓	✓	✓	✓	✓	✓
15	PRETTY GEORGE	✓	✓	✓	✓	✓	✓
16	RAJASREE T	✓	✓	✓	✓	✓	✓
17	RESHMA R	✓	✓	✓	✓	✓	✓
18	SONA P	✓	✓	✓	✓	✓	✓

Certificate format

DEVA MATHA COLLEGE, KURAVILANGAD
Re-Accredited by NAAC with 'A' grade
Website : www.devamatha.ac.in, E-Mail : principaldmck@gmail.com



CERTIFICATE

This is to certify thathas
successfully completed the Add-on course titled : *Horticulture* conducted by Post
Graduate Department of Botany, Deva Matha College, Kuravilangad during the
academic year 2021-2022 with '.....' grade.


Ms. Sreekutty Sreedharan
Course Co-ordinator


Dr. Brincy Mathew
General Co-ordinator


Dr. Sunil C. Mathew
Principal

Kuravilangad
31-1-2022

Feedback form

N o.	Email Address	1. Name	2. Cla ss	3. Class numb er	4. Rate your overall experi ence of the course	5. The course met my expect ations	6. Ho w use ful to you was this cou rse	7. Do you have any sugges tions / comm ents
1.	navyatom.ntk@gmail.com	Navya Tom	M.S c botany	21PG 213	Good	Agree	Use ful	
2.	rajasreeraju810@gmail.com	Rajasree. T	I pg botany	216	Excell ent	Agree	Ver y use ful	Very good class
3.	donhob11@gmail.com	Don Jose Varghese	1M sc Bot any	21PG 202	Excell ent	Agree	Ver y use ful	
4.	mariyathomaskmt@gmail.com	Mariya Thomas	MS c Bot any first year	210	Excell ent	Agree	Use ful	
5.	niranjananair1999@gmail.com	Niranjana Mohan	MS c Bot any	214	Excell ent	Agree	Ver y use ful	No
6.	maryyaminmadathiparambi11998@gmail.com	MARY YAMIN	Msc Bot any	211	Very Good	Agree	Use ful	No
7.	arshithasnair@gmail.com	Arshitha S Nair	MS c Bot any	207	Excell ent	Agree	Ver y use ful	No
8.	venkivenki.tk@gmail.com	Venkates hTk	1st PG Bot any	21PG 203	Very Good	Agree	Use ful	No
9.	aneeshadevasia2018@gmail.com	Aneesha Devasia	1st pg botany	21PG 204	Very Good	Strongly Agree	Use ful	Good

No.	Email Address	1. Name	2. Class	3. Class number	4. Rate your overall experience of the course	5. The course met my expectations	6. How useful to you was this course	7. Do you have any suggestions / comments
10	fathimaijas216@gmail.com	FATHIMA MI	1 msc botany	209	Very Good	Agree	Very useful	No
11	prettygeorge158@gmail.com	Pretty George	1 st Msc. Botany	215	Excellent	Agree	Very useful	No
12	anjanabiju438@gmail.com	Anjanamol	Ist msc botany	205	Excellent	Agree	Very useful	It has been a nice experience
13	meharunisads8@gmail.com	Meharunisa DS	Msc botany 1st yr	212	Excellent	Agree	Very useful	No
14	divyahari444@gmail.com	DivyaHari	1st M.Sc Botany	218	Good	Agree	Useful	No
15	sonaachu000@gmail.com	Sona p	Msc botany	218	Excellent	Agree	Very useful	No
16	reshbrunochan@gmail.com	Reshma R	1st year M. Sc Botany	217	Excellent	Strongly Agree	Useful	Adding more practical sessions
17	annmariyathankachan97@gmail.com	Ann mariyathan kachan	1 st msc botany	206	Excellent	Strongly Agree	Useful	

18	arunmasterblaster1111@gmail.com	ArunChandrababu	I PG Botany	21PG 201	Excellent	Agree	Very useful	
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Brincy Mathew

Dr. Brincy Mathew
Add-on Course General Coordinator

Arun Mathew
Principal
Deva Matha College
Kuravilangad - 686 633

