

**MES Asmabi College, P. Vemballur**  
**Research & PG Department of Botany**  
**Certificate Course – Nursery and Landscaping**  
**2023-24**

**Department: Research Department of Botany.**

**Name of the Course: Certificate Course in Nursery and Landscaping**

**Course Code: AS23NALS**

**Name of the Coordinator : Dr Girija TP**

**9526570267, girijamanu@yahoo.in**

**Head of the Department : Dr Girija TP**

**Maximum number of students : 41**

**Duration of the course : 30hrs**

**Level : UG**

**Teaching Methodology : Direct method, group discussions, practicals**

**Teaching aids : PPT, handouts and materials for practical  
demonstration & videos**

*Co-ordinator*

*Dr. GIRIJA. T. P.*  
Assistant Professor & Research Guide  
Research & P.G Department of Botany  
MES Asmabi College, P.Vemballur  
Kodungallur, Thrissur-680671, Kerala-India

*Head of Department*  
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MES Asmabi College  
P. Vemballur, Thrissur Dt.  
Kerala - 680 671

*Principal*  
PRINCIPAL  
M. E. S. ASMABI COLLEGE  
P.O.P. VEMBALLUR,  
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**Research and PG Department of Botany  
MES Asmabi College, P Vemballur  
2023-24**

**Certificate Course on  
NURSERY AND LANDSCAPING**

**Certificate course – 2023 - 24**  
**Nursery and Landscaping**  
**List of Students**

| SI No | Name                      | Year                              | Signature |
|-------|---------------------------|-----------------------------------|-----------|
| 1     | MANAGHA                   | Second B.Com Co - operation       |           |
| 2     | MUHSINA T B               | Second B.Com Co - operation       |           |
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Thrissur, Kerala- 680671



# CERTIFICATE



This is to certify that Mr/Ms..... **MEHROOF A M**.....  
of.....**I BA Mass Communication**.....has  
completed the certificate course..**NURSERY AND LANDSCAPING**.....  
.....conducted by Research & PG Department  
of Botany, M.E.S Asmabi College, P. Vemballur, Thrissur, Kerala- 680671 during  
academic year 2023-24.

P.Vemballur

26/03/2024

Dr. Girija T.P  
HoD

Dr. Girija T.P  
Coordinator

Dr. A. Biju  
Principal

**MES Asmabi College, P. Vemballur**  
**Research &PG Department of Botany**  
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**2023-24**

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**Curriculum**

**Objectives:**

1. To enable the students to get knowledge related to gardening.
2. To enable the students to acquire the basics skills of Nursery management.
3. To develop the practical knowledge of nursery maintenance.

**Module I**

Basics of nursery making, Objectives, essentials. Various kinds and categories within the nursery, Basic requirements for Establishment of a nursery

(2 Hours)

## Module II

Introduction of plants, cultivars, varieties wild relatives — basic agroclimatic requirements

(4 Hours)

## Module III

Practicals: Potting Mixture, Mannuring, growth monitoring in various conditions

(10 Hours)

## Module IV

Preparation of Microenvironments, pesticides, fungicides, nutrients  
(5 Hours)

## Module V

Propagation common techniques, Budding, Layering Grafting – Applications  
(5 Hours)

## Module VI

Major pest, pathogen associated with nursery management and their control measures  
(4 Hours)

## Recommended reading

1. De LC. Nursery and Landscaping (2019) Pointer Publisher Jaipur
2. McIntyre, K. and Jakobsen, B. (1998). *Drainage for Sportsturf and Horticulture*. Horticultural Engineering Consultancy
3. Molyneux, C.J. (1988). *Practical Guide to NFT*. Nutriculture Ltd

## Evaluation procedure

Examination

Practical based test

Assignment and Project

Co-ordinator

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MES ASMABI COLLEGE, P. VEMBALLUR  
Certificate Course in Nursery and Landscaping 2023– 24

MCQ Test

Time: 20 mnts

Marks: 20

1. Mount layering is otherwise called  
a) Stool layering b) Chinese layering c) Serpentine layering d) Tip layering
2. Chip budding is done in  
a) Rose b) Grapes c) Hibiscus d) Rubber
3. Which among this is a plant growth retardant  
a) Auxin b) Giberellin c) Abscissic acid d) Cytokinin
4. Which among the given cities is known as garden city?  
a) Bangaluru b) Delhi c) Pune d) Chennai
5. Yellow revolution is associated with  
a) Oil seed b) Legumes c) Millets d) Cereals
6. Repair grafting is otherwise known as  
a) Epicotyls grafting b) Top working c) Slice grafting d) Inarching
7. ----- is a technique which is used to disinfect seed beds  
a) Scarification b) Solarisation c) Stratification d) Salinization
8. ----- irrigation system increases water use efficiency to 90%  
a) Sprinkler irrigation system b) Drip irrigation system c) Floor irrigation system  
d) Furrow irrigation system
9. ----- is used for transplanting seedlings  
a) Trowel b) Showel c) Sickle d) Disc harrow
10. Ideal soil texture for plant growth is  
a) Loamy b) Clayey c) Sandy d) Silty

(10x2 = 20)

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
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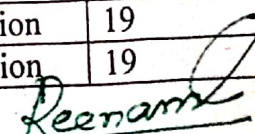
**Certificate course – Nursery and Landscaping 2023 – 24**

**Result of the test**

| Sl No | Name                      | Class                             | Marks (20) |
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**REPORT OF CERTIFICATE COURSE ON NURSERY AND LANDSCAPING**  
**RESEARCH AND PG DEPARTMENT OF BOTANY**  
**Academic Year 2023-24**

Name of the Certificate Course : Certificate Course on Nursery and Landscaping  
Course Duration : 30 Hrs  
Total number of students enrolled : 41  
Mode of course conducting : offline and online classes  
Date of Introduction : 02/11/2023

The certificate course on Nursery and Landscaping was introduced on 2<sup>nd</sup> November 2023. As part of this certificate course, a total of 41 students from UG classes of different streams were admitted, and all these students completed the course and qualified for certification. The classes were conducted in blended mode, online mode in Google Meet, and offline classes. The practical sessions on garden preparation, vegetative propagation, and preparation of potting mixtures were demonstrated. All the theory and practical classes were completed by March 19, 2024. The internal and external evaluations had been completed, and the results were published on March 26, 2024. A certificate of completion of the course was given to the qualified students.

**Course Outcome (Focus on Employability job opportunities)**

Nursery techniques are high precedence for seedling production and improved tree propagation methods, leading to the development of detailed production schedules for each species being propagated. A nursery must provide the condition for the growth of seedlings and must protect them from stress and extreme climates. This certificate Course helped the students to understand the various techniques related to growth and developments of seedlings. The most important course outcome is, it is a skill enhancing programme. Students will learn about landscaping and


various ornamental, medicinal and aromatic plants. They will learn various nursery techniques to grow and multiply plants. They can further sell and start their business in this field.

**Details of the students enrolled**

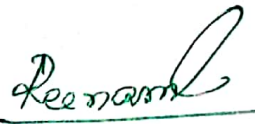
| Sl No | Name                      | Class                             | Eligible for certification or not |
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