

Rayat Shikshan Santha's
**Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani
Commerce College, Kopargaon, District Ahmednagar, 423601**

Department of Botany

**Short Term Course: Nursery Management and Succulent Plants Gardening
2020-2021**

Board of Studies

Committee for framing syllabus for a Short term Certificate Course on "Nursery Management and Succulent Plants Gardening" to be conducted by Department of Botany was as follows:

- Prin. Dr. S. R. Thopate (Chairman)
Dr. A. K. Mohite (Head and Member)
Mr. B. D. Varpe (Member)
Dr. N. V. Malpure (Member)
Dr. D. R. Wakchaure (Member, Ashwamedh Agrotech Ltd.)
Dr. M. V. Pachore (Alumni)


IQAC-Coordinator
S.S.G.M.College,Kopargaon


Principal
S.S.G.M.Science,Gautam Arts &
Sanjivani Commerce College,Kopargaon

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**Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani
Commerce College, Kopargaon, Dist- Ahmednagar- 423601, (M.S) India**

**Short Term Course: Nursery Management and Succulent Plants Gardening
Department of Botany**

Syllabus

| Sr. No. | TOPIC |
|---------|--|
| 1. | ORIENTATION TO THE NURSERY MANAGEMENT AND GARDENING Introduction Need of Course Benefits Social aspects Market aspects |
| 2. | LAYOUT AND INPUTS Inputs Management, Plant Propagation, Structures, Access to Quality Planting Material |
| 3. | PROPAGATION Quality Propagates Production Good Practices of Fruit Collection & Seed stock. |
| 4. | Common Possible Errors in Nursery Activities Nursery Technology for Some Important Succulent Species, Nursery Pest & Disease Management |
| 5. | Planning and Scheduling of Nursery Activities Examples of Successful Model Nurseries |
| 6. | Economics of Nursery Development Record Management Online Nursery Information and Sales Systems Field Demonstration, Feed Back/Discussion Validatory Function. |



Objectives

- The main objective of good nursery management is to supply elite planting material of the highest possible quality for establishment of new orchards.
- This objective is of the greatest important since the areas planted are likely to have a long productive life span of several decades.
- To infuse entrepreneurial skills of commercialization of nursery production.
- To Develop Employment.

Introduction

Nursery is a place where planting material, such as seedlings, saplings, cuttings, etc., are raised, propagated and multiplied under favorable conditions for transplanting in prepared beds. The availability of quality and true-to-type planting material is the prerequisite of successful and remunerative ornamental crop production. Setting up of a nursery is a long-term venture, and requires planning and expertise. In a nursery, plants are nurtured by providing them with optimum growing conditions to ensure germination. Nursery saves considerable time for the raising of the next crop. Among flower crops, majority of the annuals are propagated by seeds and require a nursery for raising the seedlings. Herbaceous perennials need nurseries for sowing of seeds and planting of cuttings for rooting and establishment. Woody perennials are grown from seeds for multiplying the rootstocks from cuttings, layers and through grafts to perpetuate the same genetic properties.

The main objective of good nursery management is to supply elite planting material of the highest possible quality for establishment of new orchards. This objective is of the greatest importance since the areas planted are likely to have a long productive life span of several decades. Production and supply of poor planting materials will lead to low yield and causes severe economic losses to planters. So, the selection of good planting materials and strict culling in nursery are the important step. The importance of the best quality planting material as an initial investment is a well realized factor for persons engaged in Horticulture field. So the nurseries have great demand for the production of plants, bulbs, rhizomes, suckers and grafts. But in general good quality and assured planting material at reasonable price is not available. So the persons having a skill of propagation of plants can go for this avenue as an agro-business of future. Updating of knowledge and skills of technical personal in this area is very essential for successful conduct and completion of research by scientific personal. Hence the present training programs aims at imparting the technical staff the basic knowledge about importance of nursery management practices for producing elite, disease free planting material by different propagation methods including tissue culture. The staff will be exposed to practical experience of several techniques in propagation of horticultural crops and also exposed to commercial nurseries that multiply large number of plants and meet the demand of industry.

Nursery

It is an area, in which new saplings are raised and nourished until they are ready for sale or transplanting at a permanent place in a field. Raising of seedlings in a nursery is important for various reasons.

Importance of nursery

- It is possible to grow and maintain a large number of plants per unit area.
- Small and expensive hybrid seeds can be raised more effectively due to better care and management.
- When seeds are sown in seedbeds, their germination percentage increases and the vigour of the seedlings also improves.
- The management of seedlings can be done in a better way with minimum care, cost and maintenance as the nursery area is small.
- Manipulation of growing conditions for plants becomes easy.
- Better and uniform crop growth can be obtained in the main field by selecting vigorous and healthy seedlings.
- Off-season sowing of seeds becomes possible, which ultimately results in fetching more returns.
- The seed requirement of nursery raised crops is less as compared to direct seed sowing of the same crop due to better management.
- Sowing seeds in a nursery allows additional time for doing preparatory tillage in the main plot.
- Harvesting of the previous crop can also be prolonged, if needed.
- Management of insect-pests, diseases and weeds is easy in a nursery.

Selection of the nursery site

Several factors are responsible for the selection of a suitable nursery site. Some important considerations are as follows:

Location

A nursery must be located in a pollution-free environment — away from brick kilns, smoke-emitting industries and rough motorized roads as dirt and dust settle on plants, covering the foliage, which not only reduces the photosynthetic efficiency of plants but also gives them a dull look. It must be ensured that the nursery site gets adequate sunlight. However, care must be taken that the plants are protected against severe heat.

Topography of land

The topography of land at the nursery site must be even. If it is undulating, it must be leveled. In hilly areas, it may be divided into leveled terraces.

Soil

The soil must preferably be loam or sandy loam with large quantity of organic matter. The pH of the soil must be near neutral (6.5 – 7.5). It must have adequate water retention capacity and aeration.

Water

The quality of water used in a nursery is important for the growth of plants. Saline and polluted water must not be used. It must be ensured that there is adequate water supply for irrigation. Besides, the nursery must be located near a water source so that there is no water scarcity at any time in the course of raising plants.

Drainage

The nursery site must have adequate drainage facility and be free from waterlogging. Water must not stagnate at any time.

Transportation

The nursery site must be accessible by road. It must not be far from potential markets so that there is no damage to the seedlings during transportation.

Labour

As nursery work is labour-intensive, the nursery site must have enough number of labourers.

Protection from animals

The nursery area must be protected by enclosures so as to prevent damage to the plants by stray animals. Market needs and size Market plays an important role in the success of nursery business. Various type of inputs like seeds, fertilizers, pesticides, fungicides, plant growth regulators, poly bags, agricultural implements, different type of spare parts and other miscellaneous items required in the nursery must be available in the nearby market. The nursery must be located near the city or an area from where people can purchase the plants. Alternatively, a mechanism to explore domestic and international markets must also be worked out for the success of nursery business.

Types of nursery

Nurseries are classified on the basis of duration, plants produced and structures used. On the basis of duration Temporary nursery this type of nursery is developed only to fulfill seasonal requirements or a targeted project. Such a nursery is, usually, small in size and is set up for a short period after which it is abandoned. Temporary nurseries are mostly used for raising seedlings of vegetables and flower crops. Such nurseries are found near the main planting area.

Features

- It is constructed for a short period and is small in size.
- Intensive manuring and fertilization is not necessary in such a nursery as it is constructed at a site rich in humus.
- As it is located near a planting site, the distance between the nursery and the actual planting site is less.
- No major transportation is required, and if any, the cost is less.

What are Succulents?

Succulents are plants with fleshy, thickened leaves and/or swollen stems that store water. The word "succulent" comes from the Latin word *sucus*, meaning juice or sap. Succulents are able to survive on limited water resources, such as dew and mist, making them tolerant of drought. There are many different species and cultivars of succulents spanning several plant families, and most people associate succulents with Cactaceae, the cactus family.

How do nurseries grow succulents?

Succulents are plants that have the ability to store water within their leaves, stems or roots. Today, in our college grows succulents and cacti at Botanical garden. All are meticulously labeled and grown mostly in clay pots.

Place the potted succulent in a sunny location.

Most succulents prefer at least 6 hours of sun per day, so try to place them near a south- or east-facing window. You may notice your succulents becoming spindly or stretching toward the light if they don't get enough sun.

Allow the potting mix to dry out between watering.

The number-one mistake many people make with succulents is overwatering them. It's best to water more, but less frequently. Saturate the potting mix thoroughly (while ensuring water flows out of the drainage hole properly) but allow the mix to dry out slightly before the next watering. If the potting mix stays consistently wet every day, the plant may eventually die.

Fertilize your succulents at least once a year.

The plants benefit most from fertilizer in the spring (when the days get longer and new growth begins), and again in late summer. Use a balanced, all-purpose, water-soluble (such as 8-8-8 or 10-10-10) diluted to half the strength recommended on the package instructions. There is no need to fertilize succulents in winter when they're semi-dormant. They don't need the nutrient boost because they are not actively growing.

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S. S. G. M. College, Kopargaon
Short Term Course: Nursery Management and Succulent Plants Gardening
Department of Botany
Admitted Student List 2020-21
Class: M. Sc.

| Sr. No. | Name Of Students |
|---------|----------------------------|
| 1. | Baviskar Pooja Vijay |
| 2. | Gholap Sagar Machhindra |
| 3. | Ghumare Sushmita Sayaji |
| 4. | Girme Kalyani Sanjay |
| 5. | Gudaghe Shubhangi Maruti |
| 6. | Ingale Akashay Phula |
| 7. | Jape Priyanka Nandkumar |
| 8. | Kolhe Sumitra Shankar |
| 9. | Kurhe Saraswati Shivnath |
| 10. | Narode Geetai Ramesh |
| 11. | Pawar Yashashri Pradeep |
| 12. | Sambherao Mayuri Prabhakar |
| 13. | Shinde Pratiksha Balasaheb |
| 14. | Titwe Sagar Bhausahab |
| 15. | Tiwari Anjali Trijog |
| 16. | Tiwari Raj Sunil |


Coordinator




Head
Department of Botany
S.S.G.M. College, Kopargaon

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Department of Botany

Notice

This is to inform all the M.Sc. Students that we at Botany Department will be conducting Short Term Course on Nursery Management and Succulent Plants Gardening, from December 2020 during Academic year 2020-2021. The application form should be submitted to Mr. Waman J. C. on before 15/12/2020.

Date: 01/12/2020

Place: Kopargaon


Coordinator
IQAC-Coordinator
S.S.G.M.College,Kopargaon




Head
Department of Botany
S.S.G.M.College,Kopargaon

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Short Term Course: Nursery Management and Succulent Plants Gardening

Department of Botany

Time Table 2020-21

| Sr. No. | Time | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1. | 3:45-4:15 | Theory | Theory | Theory | Theory | Theory | Theory |
| 2. | 4:15-5:00 | Practical | Practical | Practical | Practical | Practical | Practical |



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S. S. G. M. College, Kopargaon

Short Term Course: Nursery Management and Succulent Plants Gardening

Class: M. Sc.

Month: December 2020

| Sr. No. | Name Of Students | 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 | 28 | 29 | 30 | 31 |
|---------|----------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1. | Baviskar Pooja Vijay | | | | | | | | | | | | | | | P | P | P | A | P | | P | P | P | A | P | P | | P | P | P | |
| 2. | Gholap Sagar Machhindra | | | | | | | | | | | | | | | P | A | P | P | P | | P | P | P | P | A | | A | A | P | P | |
| 3. | Ghumare Sushmita Sayaji | | | | | | | | | | | | | | | P | P | P | A | P | | P | P | P | P | P | | P | A | P | A | |
| 4. | Girne Kalyani Sanjay | | | | | | | | | | | | | | | P | P | P | P | P | | P | A | P | P | P | | P | A | P | A | |
| 5. | Gudaghe Shubhangi Maruti | | | | | | | | | | | | | | | P | P | P | P | P | | P | A | P | P | P | | P | P | P | P | |
| 6. | Ingale Akashay Phula | | | | | | | | | | | | | | | P | P | P | P | A | | P | P | P | P | P | | P | P | P | P | |
| 7. | Jape Priyanka Nandkumar | | | | | | | | | | | | | | | P | P | P | P | P | | P | P | P | P | P | | P | P | P | P | |
| 8. | Kolhe Sumitra Shankar | | | | | | | | | | | | | | | P | P | P | P | P | | P | P | P | A | P | | A | P | P | P | |
| 9. | Kurhe Saraswati Shivnath | | | | | | | | | | | | | | | P | P | P | P | P | | P | P | P | A | P | | A | P | P | P | |
| 10. | Narode Geetai Ramesh | | | | | | | | | | | | | | | A | P | P | P | P | | P | P | P | P | P | | P | A | P | P | |
| 11. | Pawar Yashashri Pradeep | | | | | | | | | | | | | | | P | A | P | P | P | | A | P | P | P | P | | P | P | P | A | |
| 12. | Sambherao Mayuri Prabhakar | | | | | | | | | | | | | | | P | P | P | A | P | | P | P | P | P | P | | A | P | P | P | |
| 13. | Shinde Pratiksha Balasaheb | | | | | | | | | | | | | | | P | P | P | P | A | | P | P | P | A | P | | P | A | A | P | |
| 14. | Titwe Sagar Bhausahab | | | | | | | | | | | | | | | P | P | P | A | | | P | P | P | P | P | | P | P | P | P | |
| 15. | Tiwari Anjali Trijog | | | | | | | | | | | | | | | P | P | P | A | P | | P | P | P | A | A | | P | P | P | P | |
| 16. | Tiwari Raj Sunil | | | | | | | | | | | | | | | P | P | P | A | P | | P | A | P | P | P | | P | P | P | P | |




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Short Term Course: Nursery Management and Succulent Plants Gardening

Class: M. Sc.

Month: January 2021

| Sr. No. | Name Of Students | 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 | 28 | 29 | 30 | 31 |
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| 1. | Baviskar Pooja Vijay | A | P | | P | P | P | P | P | P | | P | P | P | A | P | P | | P | P | P | P | P | | P | A | P | P | A | A | | |
| 2. | Gholap Sagar Machhindra | P | P | | A | P | P | P | P | P | | P | P | P | A | P | P | | P | P | P | P | P | | P | P | P | P | P | A | | |
| 3. | Ghumare Sushmita Sayaji | P | P | | P | P | P | P | P | P | | A | P | A | P | P | A | | P | P | P | P | A | P | | P | P | P | P | A | | |
| 4. | Girme Kalyani Sanjay | P | P | | P | P | P | P | A | P | | P | P | P | P | A | P | | P | P | P | P | P | | P | P | P | A | P | P | | |
| 5. | Gudaghe Shubhangi Maruti | P | P | | P | P | P | P | A | P | | P | P | A | A | P | P | | P | P | P | A | P | P | | P | A | P | P | A | | |
| 6. | Ingale Akashay Phula | P | P | | P | P | P | P | P | A | | P | P | A | P | P | P | | A | P | P | A | P | P | | A | P | P | P | A | | |
| 7. | Jape Priyanka Nandkumar | P | P | | P | P | P | P | P | P | | P | P | P | P | P | P | | A | P | P | P | A | P | | P | P | P | P | A | | |
| 8. | Kolhe Sumitra Shankar | P | P | | P | A | P | P | P | P | | P | P | P | A | P | P | | P | P | P | P | P | | P | P | P | P | A | P | | |
| 9. | Kurhe Saraswati Shivnath | P | P | | P | P | P | P | P | P | | P | P | P | P | P | P | | P | P | P | A | A | | P | P | P | P | P | P | | |
| 10. | Narode Geetai Ramesh | A | P | | P | A | P | P | P | P | | A | P | P | P | P | P | | P | P | P | A | P | P | | P | A | P | P | P | | |
| 11. | Pawar Yashashri Pradeep | P | A | | P | P | P | P | P | A | | P | A | P | P | P | P | | P | P | P | P | A | P | | P | P | P | A | P | | |
| 12. | Sambherao Mayuri Prabhakar | P | P | | P | A | P | P | P | P | | P | A | P | P | P | P | | P | P | P | P | A | P | | P | P | P | A | P | | |
| 13. | Shinde Pratiksha Balasaheb | A | A | | P | P | P | P | P | P | | P | P | P | P | P | P | | P | A | P | A | P | P | | P | P | P | A | P | | |
| 14. | Titwe Sagar Bhausahab | P | P | | P | P | P | P | A | P | | P | P | P | P | P | P | | P | P | P | P | P | | P | A | P | P | P | A | | |
| 15. | Tiwari Anjali Trijog | P | P | | P | P | P | P | P | P | | P | P | A | P | P | P | | A | P | P | A | P | P | | P | P | A | P | P | | |
| 16. | Tiwari Raj Sunil | P | P | | P | P | P | P | P | P | | P | P | P | A | P | P | | P | P | P | P | P | | P | P | P | P | A | A | | |



Head
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Short Term Course: Nursery Management and Succulent Plants Gardening

Class: M. Sc.

Month: February 2021

| Sr. No. | Name Of Students | 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 | 28 | 29 | 30 | 31 |
|---------|----------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1. | Baviskar Pooja Vijay | P | P | P | P | P | | | P | P | P | P | P | P | P | | | P | P | P | A | | P | P | P | P | A | | P | | | |
| 2. | Gholap Sagar Machhindra | A | P | P | P | P | | | A | P | P | A | P | P | P | | | P | P | P | A | | P | P | A | P | P | | | | | |
| 3. | Ghumare Sushmita Sayaji | P | P | P | P | A | P | | P | P | P | A | P | P | P | | | P | A | P | P | | P | P | P | P | P | | | | | |
| 4. | Girme Kalyani Sanjay | P | P | P | P | P | | | P | P | P | A | P | P | A | P | | | P | P | P | P | | P | P | P | P | | | | | |
| 5. | Gudaghe Shubhangi Maruti | P | P | P | P | P | | | P | P | P | A | P | P | A | P | | | P | P | P | P | | P | P | P | A | P | P | | | |
| 6. | Ingale Akashay Phula | P | P | P | P | P | | | P | P | P | P | P | A | P | P | | | A | P | P | P | | P | P | P | A | P | P | | | |
| 7. | Jape Priyanka Nandkumar | P | P | A | P | P | P | | P | P | P | P | P | P | A | P | | | P | P | P | P | | P | P | P | A | P | P | | | |
| 8. | Kolhe Sumitra Shankar | P | P | P | P | P | | | P | P | P | P | P | P | P | P | | | P | A | A | P | | P | P | P | P | P | | | | |
| 9. | Kurhe Saraswati Shivnath | P | A | P | P | P | P | | P | P | P | P | P | A | P | P | | | P | P | P | A | | P | P | A | P | P | P | | | |
| 10. | Narode Geetai Ramesh | P | P | P | P | P | | | P | P | P | A | P | P | P | P | | | P | P | P | A | | P | P | P | P | A | P | | | |
| 11. | Pawar Yashashri Pradcep | A | A | P | P | P | | | P | P | P | P | P | A | P | P | | | A | P | P | P | | P | A | P | P | P | | | | |
| 12. | Sambherao Mayuri Prabhakar | P | P | P | A | P | P | | P | P | P | A | P | P | P | P | | | P | A | P | P | | P | P | P | P | P | | | | |
| 13. | Shinde Pratiksha Balasaheb | P | P | P | P | P | A | | P | P | A | P | P | P | P | P | | | P | P | P | P | | P | P | P | P | P | | | | |
| 14. | Titwe Sagar Bhausahab | P | P | P | P | P | A | | P | P | A | P | P | P | P | P | | | P | P | P | P | | P | P | P | P | P | | | | |
| 15. | Tiwari Anjali Trijog | P | P | P | P | P | | | P | P | P | A | P | P | P | P | | | P | P | P | P | | P | P | P | P | | | | | |
| 16. | Tiwari Raj Sunil | P | P | P | P | P | | | P | P | P | P | P | P | P | P | | | P | P | P | P | | P | P | P | A | A | P | | | |



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Short Term Course: Nursery Management and Succulent Plants Gardening

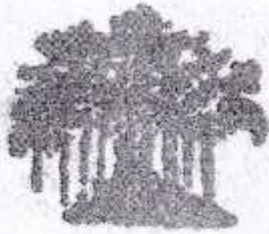
Class: M. Sc.

Month: March 2021

| Sr. No. | Name Of Students | 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 | 28 | 29 | 30 | 31 |
|---------|----------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1. | Baviskar Pooja Vijay | P | P | P | P | P | P | | P | A | P | P | P | P | | P | P | P | P | P | | P | P | P | P | P | P | P | P | P | P | P |
| 2. | Gholap Sagar Machhindra | P | P | P | P | P | P | | P | | P | P | P | P | | P | P | A | P | P | P | | P | P | P | P | P | A | | P | P | P |
| 3. | Ghumare Sushmita Sayaji | P | P | P | P | P | P | | P | P | P | P | A | P | | P | P | P | P | P | P | | P | P | P | P | A | P | | P | P | P |
| 4. | Girme Kalyani Sanjay | P | P | P | A | P | P | | P | P | P | A | P | P | | P | P | P | P | P | P | | P | P | P | P | P | A | | P | P | P |
| 5. | Gudaghe Shubhangi Maruti | P | P | P | P | P | P | | P | P | A | P | P | P | | P | P | P | P | P | P | | P | P | P | P | P | A | | P | P | P |
| 6. | Ingale Akashay Phula | P | P | P | P | P | P | | P | P | P | A | P | P | | P | P | P | P | P | P | | P | P | P | P | A | P | | P | P | P |
| 7. | Jape Priyanka Nandkumar | P | P | P | P | A | P | | P | P | P | P | P | P | | P | P | P | P | P | P | | P | P | P | A | P | P | | P | P | P |
| 8. | Kolhe Sumitra Shankar | P | A | P | P | P | A | | P | P | P | P | A | P | | A | P | P | P | P | P | | P | P | P | A | P | P | | P | P | P |
| 9. | Kurhe Saraswati Shivnath | P | P | P | A | P | P | | P | P | A | P | P | P | | P | P | P | P | P | A | | A | P | P | P | P | P | | P | P | P |
| 10. | Narode Geetai Ramesh | P | P | P | P | A | P | | P | P | P | P | P | P | | P | P | P | A | P | P | | P | P | A | P | P | P | | P | P | P |
| 11. | Pawar Yashashri Pradeep | P | P | P | P | A | P | | A | P | P | P | P | P | | P | P | P | A | P | P | | P | A | P | P | P | P | | P | P | P |
| 12. | Sambherao Mayuri Prabhakar | P | P | P | P | P | P | | P | P | A | P | P | P | | P | P | P | A | P | P | | P | A | P | P | P | P | | P | P | P |
| 13. | Shinde Pratiksha Balasaheb | P | P | P | P | P | P | | P | P | P | P | A | P | | P | P | A | P | P | P | | P | P | P | A | P | P | | P | P | P |
| 14. | Titwe Sagar Bhausahab | P | P | P | P | P | P | | P | P | P | P | P | P | | P | P | P | A | P | P | | P | P | P | P | P | P | | P | P | P |
| 15. | Tiwari Anjali Trijog | A | P | P | A | P | P | | P | P | P | P | P | P | | P | P | A | P | P | A | | P | P | A | P | P | P | | P | P | P |
| 16. | Tiwari Raj Sunil | P | P | P | A | P | P | | P | P | P | P | A | P | | P | P | P | P | P | P | | P | P | P | P | P | P | | P | A | P |



(Signature)
Head
Department of Botany
S.S.G.M. College, Kopargaon



"Education Through Self - Help is our Motto" Karmaveer

Rayat Shikshan Sanstha's

**Shri Sadguru Gangageer Maharaj Science,
Gautam Arts & Sanjivani Commerce College**


Kopargaon, Dist. Ahmednagar (M.S.)



Short Term Course

CERTIFICATE OF COMPLETION

This is to Certify that Shri/Kum. Kushe Saraswati Shivnath.
of Class M.Sc has Completed Short Term Course in Nursery Management &
Succulent plant gardening. conducted by the department of Botany
during the academic year 2020 /2021


Course Co-ordinator


Co-ordinator


Principal


Principal
S.S.G.M.College
Kopargaon

Department of Botany

Short Term Course: Nursery Management and Succulent Plants Gardening
2020-21

Feedback form

Class: M. Sc.

Date: 15/03/2021

Name of the student: Baviskar Pooja Vijay

About the Course Information on the Respondent: (Tick (✓) Appropriately)

| Questionary | Excellent A | Very Good B | Good C | Satisfactory D | Poor E |
|---|----------------|----------------|-----------|-------------------|-----------|
| 1. Pace of the Teaching/lecture | | ✓ | | | |
| 2. Were objectives of the course clear to you? | | ✓ | | | |
| 3. Comment of the Subject | | | ✓ | | |
| 4. The course contents compared with your expectations? | ✓ | | | | |
| 5. Level of preparation | ✓ | | | | |
| 6. Level of interaction | | ✓ | | | |
| 7. Others (please specify) | | | ✓ | | |

1. What aspects of the training could be improved?
 - Either used black soil we can use red soil and small stone
 - soil should be disinfectant.
 - maintain water quality.
2. How do you hope to change your practice as a result of this Course?
 - over all the Practical and Explanation are good and hop
3. What additional of this course would you like to have in the future?
 - I think this course is necessary for future
 - and one of my opinion is that market is main
 - point that remain explain.

Baviskar P.V.
Sign of the Student

Department of Botany

Short Term Course: Nursery Management and Succulent Plants Gardening
2020-21

Feedback form

Class: M. Sc.

Date: 15/3/2021

Name of the student: Gholap Sagar Kachindra .

About the Course Information on the Respondent: (Tick (✓) Appropriately)

| Questionary | Excellent A | Very Good B | Good C | Satisfactory D | Poor E |
|---|----------------|----------------|-----------|-------------------|-----------|
| 1. Pace of the Teaching/lecture | | ✓ | | | |
| 2. Were objectives of the course clear to you? | | | ✓ | | |
| 3. Comment of the Subject | | ✓ | | | |
| 4. The course contents compared with your expectations? | | | ✓ | ✓ | |
| 5. Level of preparation | | ✓ | | | |
| 6. Level of interaction | | | ✓ | | |
| 7. Others (please specify) | | | ✓ | | |

1. What aspects of the training could be improved?

Either use black soil we can used red soil & small stone. Soil should be necessary to disinfect.

2. How do you hope to change your practice as a result of this Course?

over all the practice & explanation good.

3. What additional of this course would you like to have in the future?

I think this course is important for the future and one of the main one is market is main fact that remains to close.

Sagar
Sign of the Student

Rayat Shikshan Santha's
**Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani
Commerce College, Kopargaon.**

Department of Botany

Outcome of the Short-term Course

Nursery Management and Succulent Plant Gardening-2020-2021

The importance of this course, to fulfill the need of well-trained technician to the Nurseries, and to promote self-employment for establishment of various types of nurseries.

Students learn the skill of different propagation methods

To provide training to students as a Nursery manager and to others to make them aware about the plant seeds or seedlings, nature of plants, and prune plants. Provide knowledge of planting and harvesting to fertilization and fertilization scheduling.

Provide knowledge of Manage the nursery operations, including coordination with team and others, material and equipment inventory, and ordering all supplies.


Head

Department of Botany