



SKILL ENHANCEMENT COURSE (SEC): PLANT NURSERY MANAGEMENT

Open for Second Year Graduate Student w.e.f. 2024-25

**RECOMMENDED BY THE BOARD OF STUDIES IN BOTANY
AND
APPROVED BY THE ACADEMIC COUNCIL**

Devrukh Shikshan Prasarak Mandal's
Nya. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce, and
Vid. Dadasaheb Pitre Science College (Autonomous), Devrukh.
Tal.Sangmeshwar, Dist. Ratnagiri-415804, Maharashtra, India

Academic Council Item No: 03

Name of the Implementing Institute	:	Nya. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce, and Vid. Dadasaheb Pitre Science College (Autonomous), Devrukh. Tal. Sangmeshwar, Dist. Ratnagiri-415804,
Name of the Parent University	:	University of Mumbai
Name of the Programme	:	Bachelor of Science
Name of the Class to Which the course is Open	:	Second Year, Semester Third
No. of Credits	:	02
Title of the Course	:	Plant Nursery Management
Course Code	:	BTSE201
Passing Marks	:	40%
Nature of Course	:	Skill Enhancement Course (SEC)
Level	:	UG
Pattern	:	60:40
Status	:	Multidisciplinary- Open to all in the Second Year
To be implemented from Academic Year	:	2024-25

Skill Enhancement Course (SEC) in Plant Nursery Management

(With effect from the academic year 2024-25)

SEMESTER-III

Paper No.– I

Course Title: Plant Nursery Management

No. of Credits - 02

Type of Vertical: Skill Enhancement Course (SEC)

COURSE CODE: BTSE201

Learning Outcomes Based on BLOOM's Taxonomy:

After completing the course, the learner will be able to...

Course Learning Outcome No.	Blooms Taxonomy	Course Learning Outcome
CLO-01	Remember	Recall Fundamentals of plant nursery management and processes involved.
CLO-02	Understand	Explain the role and importance of steps involved in plant nursery maintenance.
CLO-03	Apply	Apply techniques of nursery management
CLO-04	Analyse	Differentiate various processes of nursery management
CLO-05	Evaluate	Justify the significance of nursery management.

Syllabus for Skill Enhancement Course (SEC) in Plant Nursery Management

(With effect from the academic year 2024-25)

Title of the Course: Plant Nursery Management

COURSE CODE: BTSE201

Credits - 02

COURSE CONTENT		
Module No.	Content	Lectures (1 Hr.)
I	<ol style="list-style-type: none"> 1. Media for propagation of plants in nursery beds and mist chambers. 2. Preparation of plant material for potting and repotting 3. Identification of different fertilizers-NPK 4. Identification of organic manures-FYM, compost, vermicompost, cakes, Bonemeal 5. Preparation and application of beejamrit, jeevamrita 6. Practicing irrigation techniques 7. Study of Micro Propagation Protocols And Hardening 8. Preparation of nursery beds and sowing of seeds. 9. Nursery management of fruit crops and raising of rootstock. 	30
II	<ol style="list-style-type: none"> 10. Preparation and application of plant growth regulator solutions for seed germination and vegetative propagation. 11. Use of mist chamber for propagation and hardening of plants. 12. Seed treatments for breaking seed dormancy and inducing vigorous seedling growth. 13. To maintenance of nursery records. 14. To demonstrate application of nutrients and plant protection measures in fruits plant nursery. 15. Application of plant protection chemicals in the nursery 16. Uprooting/digging, labeling and packing of nursery plants. 17. Visit to private nursery 	30

References:

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- Singh, A.K. and Kumar, A. 2021. Plant Propagation and Nursery Management, Bhavya Books Publisher, New Delhi.
- Sharma, R.R and Srivastav, M. 2004. Plant propagation and nursery management (First Edition) International Book Distributing Co.
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