



Certificate Course in Plant Nursery Management & Entrepreneurship

Duration 6 Months (240–300 Hours)

Eligibility 10th / 12th Pass or Interested Farmers

Course Type Vocational / Agricultural Skill Development



Course Objectives

Students will :

- Understand nursery management principles
- Learn plant propagation techniques
- Manage soil, fertilizers, and irrigation
- Control pests and diseases
- Develop landscaping basics
- Start and manage a nursery business

Course Structure

Module 1: Introduction to Nursery Management (Month 1)

Topics:

- Importance of plant nurseries
- Types of nurseries (ornamental, fruit, forest, vegetable)
- Climate and seasonal planning
- Basic botany for nursery work
- Tools & equipment used in nursery

Activities:

- Identification of plants
- Nursery visit Tool handling

Practice :



Module 2: Soil & Growing Media Management (Month 2)

Topics:

- Soil types and testing Potting mixture
- Preparation Organic
- Manure & compost
- Vermicomposting Fertilizer
- Application methods

Practical:

- Preparing potting mix
- Compost preparation
- Filling polybags & post

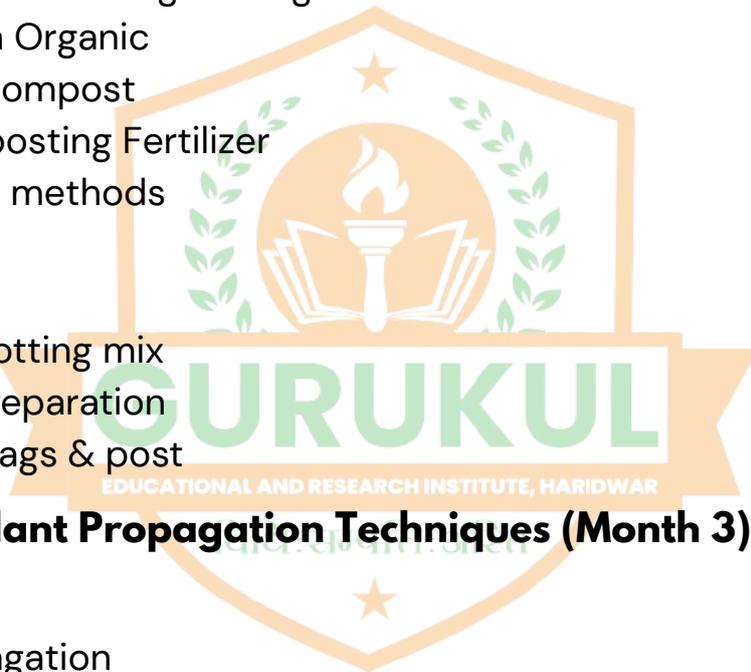
Module 3 : Plant Propagation Techniques (Month 3)

Topics :

- Seed propagation
- Cutting method
- Grafting & budding
- Layering Tissue
- Culture basics

Practical:

- Seed sowing
- Stem cutting
- Grafting demonstration



Module 4: Irrigation & Plant Care (Month 4)

Topics:

- Water management
- Drip irrigation basics
- Pest & disease control
- Organic pest control methods
- Weed management

Practical :

- Sprayer handling Identifying
- Plant diseases Applying organic pesticides

Module 5 : Ornamental & Fruit Plant Nursery (Month 5)

Topics :

- Indoor plants
- Flowering Plants
- Fruit saplings
- Medicinal plants
- Landscaping basics

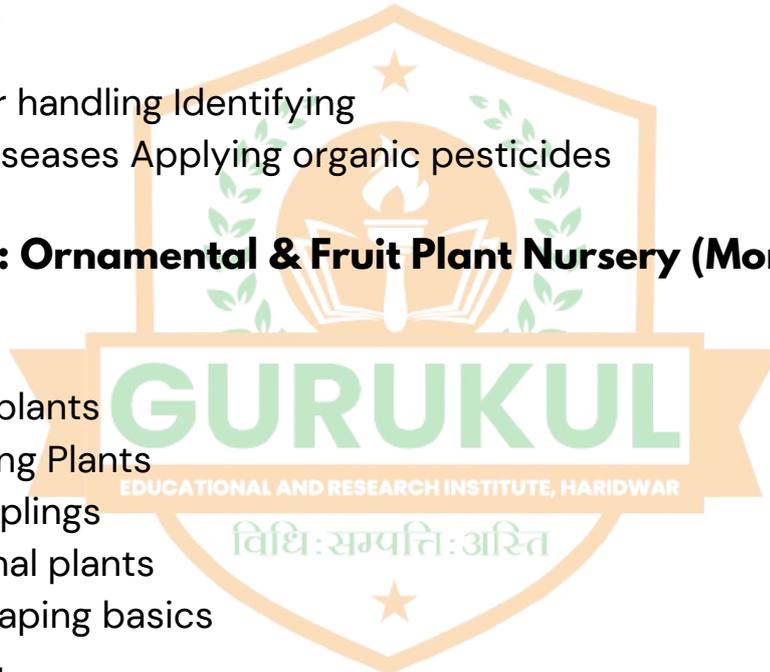
Practical:

- Plant arrangement
- Nursery layout planning
- Display & marketing setup

Module 6: Nursery Business & Marketing (Month 6)

Topics :

- Investment estimation
- Cost & profit calculation
- Government schemes & Subsidies
- Branding & Packaging
- Online plant selling
- Customer management



Activities:

- Preparing business plan
- Market survey
- Final nursery project
- presentation



Infrastructure Required

- Nursery land / shade net house
- Water source
- Tools (spade, pruning shears, sprayer)
- Poly bags & pots
- Compost pit
- Storage area

Learning out comes :

- After completion , student will :
- propagate plants independently
- Manage small to medium nursery
- control pest & diseases
- prepare potting mixtures
- Start own plant nursery business

