Production Technology of Cut Flowers in Greenhouse - Level 1 (IHT-304)

DURATION - 1 Month

Module 1. Scope of Floriculture
Introduction
Importance, scope and advantages of flower production in polyhouse and open
Present scenario of cut flower production under polyhouse and Open condition

Module 2. Floriculture in Protected Structure
Classification of polyhouse structures and designs
Management of light, temperature and humidity

Module 3. Quality Seedling and Nursery Management
Nursery production in open condition and protected structure
Bed layout in greenhouse soil

Module 4. Cultivation of Pot Plants
Types of pots/containers
Media preparation and sterilization
Propagation methods
Planting methods

Module 5. Irrigation and Water Management
Water source and quality and water needs of plants
When and how much to irrigate

Module 6: Fertigation and Nutrient Management
Major and micro nutrients and requirement of different vegetables at different stages
Application in direct soil
Technology of Fertigation

Module 7: Plant Protection
Use of insect proof nets and containment chambers
Important diseases and insect pests and their management

Module 8: Rose Production in Open and Polyhouse
Introduction:
Importance of Rose in Indian economy. Cultivation for Cut rose/Loose rose/For essence

Variety and selection:
Source of planting materials
Characteristics of a good planting material
Planting
Environment and substrate requirements
Mulching
Soil/Media preparation
Bed preparation in open/polyhouse

Intercultural operations:
Staking and support
Bending
Budding
Capping
Management of insect pests and diseases and physiological disorders

Post-harvest management, bulb storage and marketing:
Demonstration in polyhouse and open

Module 9: Chrysanthemum Production

Introduction:
Importance of Chrysanthemum in Indian economy. Cultivation for Cut flower/Loose flower

Varieties and selection:
For open/polyhouse
For Cut/Loose/Pot purpose

Environment and substrate requirements:
Soil/ Media Preparation
Mulching
Planting

Intercultural operations:
Nutting,
Staking and support
Pinching, dis-budding
Management of insect pests and diseases
Management of physiological disorders

Post-harvest management and marketing

Module 10: Gerbera Production in polyhouse
Introduction:
Importance of Gerbera in Indian economy.
Varieties and selection:
According to the market demand
Export

Environment and substrate requirements:
Soil/ Media Preparation
Mulching
Planting

Intercultural operations:
Pinching, dis-budding
Management of insect pests and diseases
Management of physiological disorders

Post-harvest management and marketing