

**Course-1**  
**Title Course:** Landscape horticulture  
**Duration:** one Month

Landscape Horticulture besides lending aesthetic look to the surroundings of buildings, colonies and other infrastructure is essential for improving the environment and blending beauty with utility. Institute of Horticulture Technology is one of the top institutes in the country in landscape horticulture and have trained officers and field workers. This institute have been providing training to the New Delhi Municipal Corporation (NDMC) officer's and Mali's, representing legendry Lutyen's, Delhi, BSF- Divyang Yodha, and MCD in landscape gardening besides many other trainees from foreign countries.

The institute has specially designed courses on landscaping horticulture for self-sponsored private trainees so that components of landscaping horticulture are fully taken care along with landscape Horticulturist. The courses are designed for busy professionals to give fundamental information and to be helpful in their decision support system for executing various projects and DPRs. Main stream courses are designed for field and supervisory staff, as well as for other stakeholders and entrepreneurs. Contents of introductory capsule course for Sr. Executives and main stream courses in landscape horticulture are detailed here as under.

### **Module-1, Weak 1:**

#### **1.1, LANDSCAPE Horticulture basics**

- Importance of landscape gardening
- Soil Health Management
- Nutrient Management
- Micro irrigation Technology
- Plant Propagation by Sexual and Asexual mean
- Disease and pest management
- Green House Technology

### **Module-2, Weak 2:**

#### **2.1, LANDSCAPE PLANTING MATERIAL (MAIN STREAM)**

- Quality planting material
- Ornamental trees
- Landscape shrubs
- Climbers
- Ornamental bulbous plants
- Foliage plants
- Herbaceous perennials
- Flowering annuals
- Cacti and succulents

- Palms and cycads
- Ground covers
- Lawn grasses
- Plants for various climates

## **2.2, LANDSCAPING OF INFRASTRUCTURES, HOUSING SOCIETIES & PUBLIC PLACES (MAIN STREAM)**

- Public gardens
- Home landscape
- Avenues & roads
- Housing societies
- Public buildings
- National highways
- Railway station and railway lines
- River banks and canals
- City and countryside
- Educational institutions
- Malls
- Factories
- Places of historic importance
- Places of worship

### **Module-3, Weak 3**

## **3.1, LANDSCAPE DESIGNS (MAIN STREAM)**

- Principles and elements of landscaping
- Selection of site and laying out of a garden plan
- Garden designs
- Formal design
- Informal design
- Wild garden design
- Free style design
- Drawings and symbols
- Planning and landscaping of public and home gardens
- Bio aesthetic planning
- Beauty and functional use of landscape plants
- Combining beauty with utility in landscaping planting design

### **Module-4, Weak 4:**

## **4.1, GARDEN FEATURES AND THEIR MAINTENANCE (MAIN STREAM)**

- Vertical gardens
- Fencing

- Steps
- Garden drives and paths
- Hedges
- Edging
- Arches and pergolas
- Paved garden
- Flower beds
- Shrubbery
- Borders
- Fountains
- Ground covers
- Training & pruning techniques
- Landscape plant protection

## **4.2, LAWN MAKING AND MAINTENANCE (MAIN STREAM)**

- Lawn Grasses
- Establishment of a lawn
- Maintenance of a lawn
- Renovation of old lawn
- Control of lawn pests