



Online Certificate Course on
LANDSCAPE DESIGNING

Association with College of Engineering, Pune (COEP)



Course Objectives

- ✔ To analyse landscape elements and principals
- ✔ To create a Garden on small or large areas, indoor or outdoor
- ✔ To recreate the dead corners in the homes and offices
- ✔ To analyse constraints and opportunities offered by the site
- ✔ To Mapping the plant species as per the site condition and slope analysis
- ✔ To Prepare landscape plan in context to recent development in different area



Who can participate?

All garden lovers from minimum education of 12th class to any professionals who want to build their career in Residential landscape gardening, Commercial landscape design, Balcony design, Terrace or roof and kitchen garden design etc. can join this course.



Course Curriculum

Introduction to Landscape Designing

Opportunities and Scope, Preparatory steps, Aesthetics of Garden, Build as a Profession

1

How Plant Morphology plays vital role?

Understanding Plant Growth Patterns and Life Cycle, Contribution of Plant Body Parts in aesthetics, Methods of Plant Propagation Tools for Artificial propagation, Plant Morphology in Plant Architecture

2

Relationship between Natural Factors and Plant Growth

How all environmental factors are responsible for plant growth?
Role of Sun, Wind, Water, Temperature, Soil and Gradual Adaptations by Plants

3

Selection criteria for Trees and Shrubs

Aesthetic and Structural uses of these Type Plants, Scientific and Appropriate Placements in the Garden

4

Landscape- Natural heritage

Elements of bio-diversity, including flora and fauna, ecosystems and geological structures. It forms part of our natural resources

5

Design Principles -1

Lines, Planes, Rhythm, Sequence, Balance, Unity, Texture, Scale, Proportion, Orthography, Patterns

6

Design Principles -2

Elements of Landscape Design, Composition of Lines and Objects to create a Balanced Design, Foundation of professional landscape designer

7

Characteristics and components of open space patterns in towns and cities

Streets, squares, plazas, gardens, ghats and maidans, public parks at district, local and neighborhood levels; park systems; landscape design related to land-use, circulation networks and activity

8

Role of Street Furniture

Street furniture as a component of urban landscape

9

Selection Criteria for Herbs and Climbers

Aesthetic and Structural uses of these Type Plants, Scientific and Appropriate Placements in the Garden

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Course Curriculum

Colour Theory

Colour Schemes for exceptional and attractive Landscape/Garden, Selection of Warm and Cool colors, Creating Ambience and visual effects to the designed structure

11

Materials in Landscape

Characteristics of Materials pertaining to the Texture, Durability, Physics and Chemistry, Site planning and selection of the suitable material, Long-term maintenance requirements

12

Types of Gardens

Mughal Gardens, Italian Gardens, Japanese Gardens, Chinese, English gardens, Human relation with nature and gardens since ages. (some sociological aspects)

13

Visit to P. L. Deshpande garden : Mughal Gardens, Japanese Gardens

14

Visit to Township sites like Amanora

15

Design Composition

Exercising the art of Design in Zoning and Conceptual Form

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Civil Construction

Compound Walls, Retaining Walls, Planter Walls, Curbs and Flooring Patterns, Steps, Ramps, Furniture, Gazebo, Pergola, Partitions

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Miniature Garden

How to organize small Gardens?, How to décor small areas on house as a Fairy Garden?, Garden Ideas and Plant selection

18

Plantation Planning

Plant distancing for effects, Plant Positioning and Legend

19

Rendering Techniques

Presentation using the art of free hand Coloring and Textures

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Course Curriculum

Services-Lights

21

Illumination techniques, Mood Lighting and know-how of Fixtures

Services-Irrigation

22

Watering the Plants, Manual or Systematic

Rock Garden, Water Garden

23

Recreating Natural scenes using Stones and Water as elements with Plants

Site Planning

24

Site Investigation - Objective of site investigation, Surveys to be conducted - Reconnaissance Survey, Physical land Survey, Arial Survey, Remotely Sensed Survey, Site Analysis-Mass and Space, Zoning, Circulation, Service and Maintenance

Vertical Garden, Water Fountains, Bonsai

25

Addition of elevational treatments to the Walls and Features in Gardens

Auto CAD Tutorials

26

Basic drafting commands - Drawing line, P-line, arc, block, hatching, layers, scale and printing CAD file

Auto CAD Practice Session

27

Drawing line, P-line, arc, block, hatching, layers, scale and printing CAD file

Landscape Plan

28

Steps to design Residential Landscape Plan including zoning, Use of softscape and hardscape, Plant selection, Soil conditions, Availability and quality of water, Availability of sunlight, Availability of sunlight, Quality of air, Maintenance, Functional Aspects of Design with Plants, Planting for Shelter and Soil Conservation, Air Pollution Control by Plants

Introduction to Design Project

29

Client Interactions, Deliverables, Types of Drawings, Official letters

Design Project : Measurement Plans

30

Unit measurements and good for construction Drawings

Course Curriculum

Design Project : Conceptual-Sketching
Free-hand composition of Lines and Objects

31

Design Project : Conceptual-Sketching and Rendering
Applying the rendering techniques for better presentation

32

Design Project : Civil Layout for Residential projects
Designing the Walls, Flooring Patterns, Micro-level designing

33

Design Project : Plant Selection
Listing the Plants according to their characteristics and Design need

34

Design Project : Plantation Layout
Positioning the Plants according to their dimensions

35

Design Project : Estimation and Costing for Landscape Projects
Estimation and Costing of various Macro and Micro level landscape projects - case studies only

36

Financing of Landscape Projects
Case Studies

37

Legal aspects related to Environmental Planning (Part 1)
Tree cutting norms and permissions, Tree Act Rules, Maharashtra Felling of Trees (Regulation) Act 1964 ST

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Legal aspects related to Environmental Planning (Part 2)
The Indian Forest Act 1927, Preservation of Trees Act 1984, Forest Conservation Act 1980, Maharashtra (Urban Areas) Preservation of Trees Act 1975 5) ST

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Case Studies (Master Class-3)
Landscape design and concepts used in different countries.

40

Environmental benefits of Landscaping, Soil/Manure
Reducing Pollution level, Increasing Aesthetics

41

Final Project Compilation
Final Project Presentation by students

42

Learning Outcomes

- ✔ Thorough learning of Designing and landscaping of your space (small to large)
- ✔ Understanding how to set up a new garden and maintenance of existing gardens (Residential to commercial)
- ✔ Foundation to become a Landscape Designer
- ✔ Micro designing of components : Working details / Working drawings of Landscapes
- ✔ Thorough understanding of Construction Layouts
- ✔ Foundation for Hardscapes in Landscape Designing
- ✔ Designing of Softscapes & Hardscapes
- ✔ Project reports: Residential Terraces, Balconies, Lobbies, passages closer to your home
- ✔ Various types of gardens
- ✔ Understanding of Site Planning
- ✔ Costing & estimating for Landscaping Projects
- ✔ Legal aspects in Landscape Designing
- ✔ Software Introduction - AutoCAD as a drawing tool for Landscape Design

Two site visits will be arranged during the entire program

Note - Reference material will be provided. Wherever necessary assignments will be given.
Delivery Mechanism: Participants will be desired to download video conferencing applications as suggested post-registration.



8th January - 29th May 2022



11:30am - 1 pm



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