



GOVERNMENT OF TAMILNADU  
DIRECTORATE OF TECHNICAL EDUCATION, CHENNAI-25

**STATE PROJECT COORDINATION UNIT**

*(Established under Canada India Institutional Cooperation Project)*

**CURRICULUM**

Course Name	<b>LANDSCAPE PRACTICE</b>
Course Code	AA/2020/008
Course Duration	40 Hours
Minimum Eligibility Criteria and Pre-requisites (if any)	10 <sup>TH</sup> STD & Above
Course Objectives	<ul style="list-style-type: none"> <li>The learning objectives will emphasis the importance of surrounding environment, identifying the plant species, techniques involved in the landscape drawings and creating home garden.</li> </ul>
Course Outcomes	<p>At the end of training, the participants will be able to</p> <ul style="list-style-type: none"> <li>Understand the concepts involved in landscape drawings and details</li> <li>Identify the nativity plant species and xerophytic plants</li> <li>Understand about Indoor and outdoor plants</li> <li>Know the Elements in landscape design</li> <li>Casting and creating of elements in landscape design such as pathways, POP sculptures, pond, lawn laying, lighting, mural and making own saplings.</li> </ul>
Expected Job Roles	Drafting Assistant in various Landscape Firms, Independent Garden Designer

TEACHING AND SCHEME OF EXAMINATION						
Course Code	Course Name	Hours		Assessment Marks		Duration of Examination
				Min	Max	
AA/2020/008	LANDSCAPE PRACTICE	Theory	16	10	20	3 Hours
		Practical	24	40	80	
		Total	40	50	100	

## AA/2020/008- LANDSCAPE PRACTICE

### DETAILED SYLLABUS

Unit No	Modules	No. of Hours	
		Theory	Practical
I	Introduction of Landscape Architecture	7 Hours	
1.1	History of landscape design	3	4
1.2	Types of landscape		
1.3	Climate Factors		
1.4	Soil		
	<u>Lab exercise:</u> with the help of case study any one type of landscape can be explored. Identify and collecting soil samples from surrounds.		
II	Plants	5 Hours	
2.1	Plant species	2	3
2.2	Native Plants		
2.3	Indoor and Outdoor plants		
	<u>Lab Exercise:</u> with the help of case study the analysis of native plants can be identified.		
III	Selection of Plants	5 Hours	
3.1	Selection of saplings	2	3
3.2	Zero phytic plants		
3.3	<u>Lab Exercise:</u> exploring the possibilities of using zero phytic plants – saplings can be taken out from the available plant species		
IV	Landscape Elements & Casting	11 Hours	
4.1	Pathways - Water body - Sculptures	4	7
4.2	Mural wall		
4.3	Lighting		
4.4	Importance of Terracotta pot		
4.5	Casting of pots		
	<u>Lab exercise:</u> i) Creating pathways from waste materials such as broken tiles, brick bats, coloring agents, coconut shell, tiles and other natural stones. ii) Casting of pots from pop / clay		
V	Introduction to Landscape Drawings	12 Hours	
	Schematic drawings – Planting Plan – working Drawing	5	7
	Detailing in Landscape Design		
	<u>Lab exercise:</u> working with landscape drawings such as working drawing, planting plan, details of water body and pathways		
Total Theory and Practical Hours		16	24
Total Hours		40	

**HARDWARE REQUIREMENT**

<b>S.NO</b>	<b>LIST OF TOOLS /EQUIPMENTS</b>
01	Top soil
02	Clay / Plaster of Paris
03	Saplings
04	Tiles
05	Pots
06	Garden Tool kit
07	Desktop Computer / Laptop with preloaded operating system which will support AutoCAD Software OR Drafting Equipment such as T scale, Set Squares, Scale Set, Pencil

**SOFTWARE REQUIREMENT**

<b>NIL</b>
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**REFERENCES**

<b>S.NO</b>	<b>Particulars</b>	<b>Author</b>	<b>Publisher</b>
1	The Fundamentals of Landscape Architecture	Tim Waterman	Cloudtail India
2	Landscape Architecture: A Very Short Introduction (Very Short Introductions)	Ian Thompson	KINDLE
3	Time-Saver Standards for Landscape Architecture	Charles Harris , Nicholas Dines	MCGRAW HILL
4	Landscape Design - Site Planning - Part 1	-	Eric Arneson
5	How to Design The Perfect Landscape	-	Lowe's Home Improvement
6	Landscape Architecture and Site Planning - Basic Fundamentals	-	NPTEL
7	Principles of Landscape Design	-	Turfteacher

## ASSESSMENT AND CERTIFICATION

S.No	Criteria for Assessment
1.	A trainee will be assessed based on the performance in End Examination for Theory and Practical conducted internally in the Project Polytechnic College for a duration of 3 hours
2.	A trainee must have 75% of attendance to appear for End examination in Theory and Practical.
3.	The assessment for theory part will be based on the marks scored in the end examination on the knowledge bank of questions (1 word/objective type questions)
4.	The assessment for practical part will be based on the marks scored in the end examination conducted by the Project Polytechnic and assessed by the Examiners approved by Strategic Plan Implementation Committee (SPIC) of the project polytechnic.
5.	The passing criteria for successful completion of training is every trainee should score 50% of marks in theory and practical examination.
6.	On successful completion of training, certificate will be issued by Directorate of Technical Education through the project polytechnic.

## END EXAMINATION

### ALLOCATION OF MARKS

S.No	Description	Max. Marks
1.	Theory Examination	20
2.	Practical Examination	
	a) Aim and Procedure	20
	b) Demonstration / Execution	25
	c) Result & Viva Voce	15
	d) Record	20
Total Marks		100

## THEORY MODEL QUESTION PAPER

### AA/2020/008LANDSCAPE PRACTICE

(Maximum Marks: 20)

(N.B: Answer any Twenty questions)

20x1= 20 Marks

1. What are the types of landscape?
2. Write any two factors that influencing the climate.
3. What are the difference types of soil?
4. Mention any one type of shrubs in India.
5. Define water fountain.
6. Mention the top most layers in a planting medium.
7. Mention any two components of landscape
8. Mention any two types of local climate
9. What is soft landscape?
10. Write short notes on hard landscape
11. Define the term native plant
12. Mention any one plant suitable for hardscape.
13. Write short notes on indoor landscape
14. Mention two recreational elements in landscape garden.
15. Write any two needs of sustainable landscape design.
16. What is topography?
17. Write any two selection criteria for plants
18. Write any two types of lighting for landscape design.
19. What is terrace garden?
20. Name any two plants used for indoor.
21. Write any two characters OF INTERIOR PLANTS.
22. Write any two disadvantages of terrace garden.
23. What are the different types of plants?
24. Write any two importance of terracotta pot.
25. Write any two materials for sculpture.