Subject : Landscape Design **Sem -4th** **Sub Code-15AR424**

Objective

To enable the students to understand the principles of site planning, site analysis techniques and its application in design of different landscape types.

Module 1

PRINCIPLES

Landscape design- definition, Theories and principles, aesthetic value of landscape, site survey, analysis and appraisal, Elements of landscape design

Module 2

LANDSCAPE ELEMENTS

Contours- Representation of Land form and Landform design, interpolation of contours, slope analysis, Grading,

Design of water bodies, swimming pool, storm water drainage design, design to reduce surface runoff, paving and surface treatments.

Vegetation, planting design principles and practice, Indoor landscaping, terrace gardening, industrial landscaping.

An assignment to be given to identify native plant species, their availability

Module 3

LANDSCAPE DESIGN STYLES

History of landscape design. Landscape design style and principles: Chinese, Japanese, English, French, Moghul.

Module 4

SITE PLANNING AND LANDSCAPE DESIGN

Site Zoning. Organization of vehicular and pedestrian circulation; parking; street widths; turning radii; street intersections; steps and ramps. Site planning considerations in relation to water systems, sewage disposal, outdoor electrical systems.

Landscaping of residential areas, parks, archaeological gardens, urban avenues, Roads and Highways and Parking design

Landscaping details.

An assignment to be prepared on designing and execution of a small landscape.

Module 5

Methods for multi-criteria landscape evaluation.

References

1. Appleton. (1996). *The Experience of Landscape*. Wiley.
2. Laurie. (1986). *An Introduction to Landscape Architecture*. Elsevier.
3. Lynch, K. (1962). *Site Planning*. Cambridge : The MIT Press.
4. Simonds, J. O. (2006). *Landscape Architecture: A Manual of Land Planning and Design*.