	J.S. University, Shikohabad Faculty of Agricultural Sciences	Value Added Course
		AGVAC-19

## **Landscape Design and Horticultural Architecture: Creating Beautiful Outdoor Spaces.**


### **Learning Objectives:**

This course focuses on landscape design and horticultural architecture to create beautiful and functional outdoor spaces. The course will teach the principles and techniques of landscape design, site analysis, plant selection, and horticultural architecture. Additionally, the course will cover techniques for selecting hardscape materials, designing water features, and selecting outdoor furnishings. By the end of the course, students will have the skills and knowledge needed to create stunning and functional outdoor spaces.

### **Course Outcomes:**

Upon completion of this course, students will be able to:

1. Understand the principles and techniques of landscape design and horticultural architecture..
2. Select appropriate plants and understand their growth patterns.
3. Select appropriate hardscape materials and understand hardscape design principles.
4. Design and implement water features and irrigation systems.
5. Understand the principles of outdoor lighting design and the use of art and sculpture in outdoor spaces.

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**Duration:** 8-10 weeks (depending on the pace of the student)

**Intake:** 60 students

**Course Modules (Syllabus):**

**Module-1**

**Introduction to Landscape Design**

- Overview of landscape design principles
- Site analysis and assessment
- Design elements and principles
- Environmental and sustainable design

**Module-2**

**Plant Selection and Horticultural Architecture**

- Understanding plant selection and growth
- Principles of horticultural architecture
- Green roofs and walls
- Seasonal planting strategies

**Module-3**


**Hardscape Materials and Design**

- Understanding hardscape materials
- Site and material selection
- Principles of hardscape design
- Outdoor living spaces

**Module-4**

**Water Features and Irrigation**

- Principles of water feature design
- Types of water features

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- Water conservation strategies
- Irrigation system design and installation

#### Module-5

##### Outdoor Furnishings and Accessories


- Principles of outdoor furnishings and accessories
- Selection of outdoor furnishings
- Outdoor lighting design
- Art and sculpture in outdoor spaces


#### Assessment:


- Weekly quizzes and assignments
- Final project on designing and implementing a landscape design plan.

#### Reference books:-

- "The Landscape Architecture of Richard Haag: From Modern Space to Urban Ecological Design" by Thaisa Way
- "Planting: A New Perspective" by Piet Oudolf and Noel Kingsbury
- "The Well-Tempered Garden" by Christopher Lloyd
- "Landscape Graphics: Plan, Section and Perspective Drawing of Landscape Spaces" by Grant Reid
- "Site Engineering for Landscape Architects" by Steven Storm and Kurt Nathan

  
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