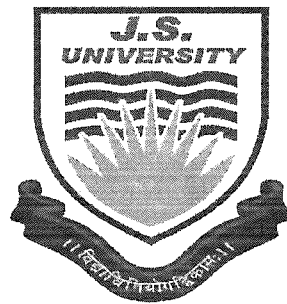


J.S. University, Shikohabad

Established by UP Govt. Act No. 07 of 2015


Recognized by U.G.C. under section 2 (f) of Act-1956



VALUE ADDED COURSE

Sustainable Urban Gardening: Creating Green Spaces in the City

Faculty of Agricultural Sciences

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|  | J.S. University, Shikohabad Faculty of Agricultural Sciences | Value Added Course |
| | | AGVAC-18 |

Sustainable Urban Gardening: Creating Green Spaces in the City

Learning Objectives:

This course will teach individuals how to design, create, and maintain sustainable and productive urban gardens. The course will cover topics such as selecting appropriate plants, creating and maintaining healthy soil, using sustainable gardening practices, and building community gardens. Additionally, the course will teach students how to compost, harvest rainwater, and manage pests effectively. By the end of the course, students will have the skills and knowledge needed to create beautiful and productive green spaces in the urban environment.

Course Outcomes:

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

1. Explain the benefits of urban gardening, including social, economic, and environmental advantages.
2. Select appropriate plants for urban gardening and understand how to care for them to maximize yields and productivity.
3. Create and maintain healthy soil using sustainable methods such as composting.
4. Use sustainable gardening practices, including water conservation, rainwater harvesting, and integrated pest management, to minimize environmental impact and support plant health.
5. Develop skills in community building and engagement, including strategies for creating and managing community gardens and building partnerships to support sustainable urban gardening.



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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 Urban Gardening

- Overview of urban gardening
- Benefits and challenges of urban gardening
- Design considerations for urban gardens

Module-2

Selecting Plants for Urban Gardens

- Types of plants suitable for urban gardens
- Container gardening techniques
- Vertical gardening techniques
- Choosing plants based on location and season

Module-3

Creating and Maintaining Healthy Soil

- Soil composition and properties
- Soil testing and analysis
- Soil amendments and fertilizers
- Composting techniques

Module-4

Sustainable Gardening Practices



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- Water conservation techniques
- Rainwater harvesting
- Integrated pest management techniques
- Using beneficial insects and companion planting


Module-5

Building Community Gardens

- Community garden models
- Legal and administrative considerations
- Building community involvement and partnerships
- Fundraising and grant writing

Assessment:

- Weekly quizzes and assignments
- Final project on designing and implementing a sustainable urban garden plan.

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Reference books:-

- 1) "The Edible City: A Year of Growing and Eating Local" by John Rensten
 - 2) "The Rooftop Growing Guide: How to Transform your Roof into a Vegetable Garden or Farm" by Annie Novak
 - 3) "Sowing Seed in the City: Human Dimensions" by Sally Brown and Kristen Melvor
 - 4) "The Complete Urban Farmer" by Justin Carverley and CERES Community Environment Park
1. The Urban Farmer: Growing Food for Profit on Leased and Borrowed Land" by Curtis Stone

Anubh
 (Name of Faculty)
 Course Coordinator

Ankit Singh Yadav

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 Dean of Faculty

Dg. R. D. Kulkarni

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 (Name of Faculty) Director General

Dg. G. S. Gaur