A Brief Report on Value Added Course on "URBAN HORTICULTURE AND FORESTRY"

Course Code: AGV- 01-2425

(25th AUGUST – 08th SEPTEMBER)

Organized by Department of Agriculture,

Integral Institute of Agricultural Science and Technology (IIAST)

Integral University, Lucknow

Urban horticulture and forestry are interdisciplinary fields focused on integrating and managing plant life within urban environments to enhance ecological, social, and economic well-being. Urban horticulture involves cultivating various plants including vegetables, fruits, and ornamental species in urban settings like community gardens, green roofs, and urban farms, promoting local food production, biodiversity, and aesthetic enhancement. Urban forestry, on the other hand, manages urban tree populations to improve air quality, provide shade, mitigate urban heat, and support sustainable ecosystems. These fields equip students with practical skills in plant cultivation, landscape design, and ecosystem management, fostering a strong commitment to sustainable practices and environmental stewardship. Through hands-on activities, students gain experience in biodiversity conservation, climate resilience, and green infrastructure, all while developing teamwork and community engagement skills.

Integral Institute of Agricultural Science and Technology (IIAST) took proactive steps by organizing a comprehensive virtual value-added course on "Urban Horticulture and Forestry." The course, conducted from 25th August to 08th September 2024, spanned over 30 hours and was thoughtfully designed by expert instructors. The initiative reflects the commitment of IIAST to provide knowledge and skills that align with contemporary needs and opportunities in the field of Urban Horticulture and Forestry. This course was specially designed for all the UG, PG and Ph.D. course students of any department throughout the university. A total of 199 students were registered and 182 students passed in the course based on quiz and attendance. This was a virtual mode course conducted and lectures were delivered daily between 7:00-9:00 PM including Quiz.

The Value-Added Course was conducted under the guidance of Dr. Saba Siddiqui, Head, Department of Agriculture, Integral University and was coordinated and facilitated by the following faculty members.

- 1. Dr. AYUSH BHUSHAN
- 2. Dr. SANKET KUMAR
- 3. Dr. SAMPOORNA NAND

The Course modules were addressed by the following resource persons:

S.No.	Date	Course	Module	Outcome
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	From	To	Instructor		
1.	25/08/2024	27/08/2024	Dr. Ayush Bhushan		urban horticulture and
2.	28/08/2024	30/08/2024	Dr. Sanket Kumar & Dr. Sampurna Nand Singh	Types of protected structure - Classification and types of protected structures, hydroponics and aeroponics; Soil and soilless media for bed	horticulture techniques, including vertical
3.	31/08/2024	02/09/2024	Dr. Sampurna Nand Singh	Geo-positioning System (DGPS), Variable Rate Applicator (VRA) and Effective Microorganism Technology (EMT). Mulching, Site Specific	understood the applications of technology in horticulture,

				Quiz Test	
4.	03/09/2024	05/09/2024	Dr. Sanket Kumar	Elements and principles	landscape design principles and specialized
5.	06/09/2024	08/09/2024	Dr. Ayush Bhushan	The concept and scope of	insights into urban forestry's potential and

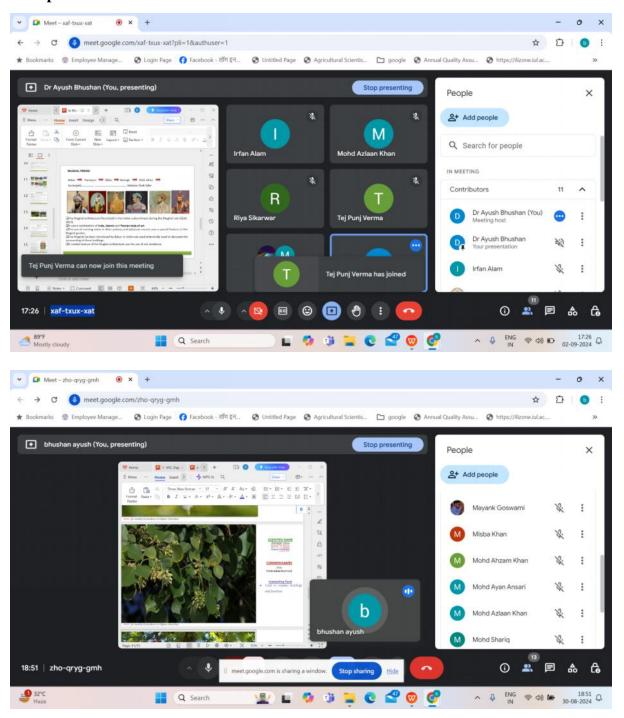
Number of students registered

Number	of	students	No of students attained certificate	Percentage engagement
registered				
199			182	91.4 %

All the participants who successfully completed the course were awarded e-certificates on the basis of their quiz test, feedback for every unit, attendance, general feedback, and moreover

50% qualifying criteria for the course. This value-added course equipped participants with an in-depth understanding of urban horticulture and forestry and showcased the potential for green technology in fostering sustainable urban environments.

Glimpse of VAC:



Sample Certificate:







INTEGRAL INSTITUTE OF AGRICULTURAL SCIENCE AND TECHNOLOGY (IIAST), INTEGRAL UNIVERSITY, LUCKNOW

CERTIFICATE OF COMPLETION

This is to certify that

Irfan Alam

Enrolment No.: 2300105088

has successfully completed Value Added Course on

"Urban Horticulture and Forestry"

offered by

Department of Agriculture

from 25th August, 2024 to 8th September, 2024

Dr. Ayush Bhusan Course Coordinator

Dr. Sanket Kumar Course Coordinator

Sumprenanced aligh Dr. Sampurna Nand Singh Course Coordinator

Prof. Saba Siddiqui Head, Department of Agriculture, IIAST