

Eligibility:

Scientists / technologists working in Central Govt. Ministries/ Departments and Research Institutions/Organisations of Government of India and State Governments, Central/ State Agricultural Universities, Colleges and State Science & Technology Councils. Age limited for training as on 1st July of 2026-27 should not be more than 55 years.

How to apply:

Scientists and technologists interested in participating in this training programme are required to register and submit their applications through the Training Portal only: <https://training.dst.gov.in>, on or before the last date of 12th November 2026. Further, the participant should submit a hard copy of the approved nomination form, duly recommended by the Controlling Officer, along with the completed Biodata Form. The duly completed documents may be handed over to the Course Director during the training programme.

Duration of the course:

The training programme is for five days from 30th November to 04th December 2026. Through residential (Offline mode).

No. of Participants

Intake capacity of this programme is 25 participants only and they will be admitted on first-cum-first serve basis, provided they shall meet the criteria set by the DST, Govt. of India.

Travel:

Participants will be paid travel expenses 'to and fro' of their journey performed by the shortest route by rail or bus. The payment will be made as per their entitlement. But, restricted to the maximum of II tier AC train fare as per ICAR norms. Participants should compulsorily produce the rail/bus tickets (only public transport) in original for reimbursing the travel expenses.

Boarding and Lodging:

Participants will be placed in rent free, clean and well-maintained rooms in the University Guest house and provided with traditional balanced dishes of Karnataka with variety of refreshments. The local participants will be provided with lunch and inter-session refreshments only.

Important Dates:

Last date for receipt of application: 12th November, 2026

Confirmation date of selected candidates: 16th November, 2026

Venue:

Dr. R. Dwarakinath Hall

Department of Agricultural Extension, College of Agriculture, GKVK, UAS, Bangalore – 560065, Karnataka

Course Director:

Dr. H.K. Pankaja

Associate Professor,

Department of Agricultural Extension,
College of Agriculture, GKVK,

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University of Agricultural Sciences, Bangalore

**National Training Programme
on**

**“SECONDARY AGRICULTURE FOR RESILIENT
AND SUSTAINABLE AGRI-SYSTEMS”**

30th November to 04th December 2026

**Sponsored By:**

Department of Science & Technology (Training Cell),

Ministry of Science & Technology

Technology Bhavan, New Delhi- 110 016.

Organized by:

Department of Agricultural Extension

College of Agriculture, GKVK,

University of Agricultural Sciences,

Bangalore – 560065, Karnataka

Indian agriculture is undergoing a significant transformation from a predominantly production-oriented system towards a more diversified, value-driven and knowledge-intensive agri-food system. Increasing climate variability, fragmented landholdings, resource constraints, post-harvest losses, changing consumer preferences and the need for higher farm incomes have created an urgent need to strengthen agricultural systems beyond primary production.

Secondary Agriculture provides an important pathway in this transformation. It broadly encompasses activities that add value to primary agricultural products through processing, preservation, grading, packaging, storage, recycling of agricultural residues, production of value-added products, utilization of by-products, integration of livestock and fisheries, and development of agri-based enterprises. The opportunity is particularly significant in India because agriculture and allied activities constitute a major component of the national economy. According to the National Statistical Office, the Gross Value Added (GVA) of agriculture and allied sectors increased from ₹15.02 lakh crore in 2011–12 to ₹48.78 lakh crore in 2023–24 at current prices, an increase of about 225 per cent.

At the farm level, however, Indian agriculture remains dominated by small and marginal producers. Approximately 89.4% of farm households own less than 2 hectares of land. This makes value addition, diversification, efficient resource utilization, collective approaches and decentralized processing particularly important for improving farm viability. The allied sectors are becoming increasingly important components of resilient agricultural systems. Livestock contributed approximately 30.23% of agricultural GVA in FY2022–23, up from 24.38% in FY2014–15, while fisheries also increased their contribution during the same period. The Department of Animal Husbandry and Dairying reports that livestock accounted for 31% of total agricultural GVA in 2023–24 and 5.5% of national GVA at current prices. These trends demonstrate the enormous potential for moving from a “produce and sell” model towards a “produce–process–value add–market–recycle” model.

The proposed five-day training programme, “Secondary Agriculture for Resilient and Sustainable Agri-

Systems” is designed to equip scientists and teachers with contemporary knowledge and practical competencies related to value addition, agro-processing, circular agriculture, climate resilience, entrepreneurship, sustainable resource utilization and innovative teaching. The programme will provide a platform for participants to understand emerging technologies, develop interdisciplinary perspectives and explore how secondary agriculture can contribute to farmer income enhancement, employment generation, rural entrepreneurship, food and nutritional security, resource efficiency and climate-resilient agricultural development.

Objectives of the Training Programme:

1. Enhance the knowledge of agricultural scientists on the concepts, scope and emerging approaches of secondary agriculture and their role in building resilient and sustainable agri-systems.
2. Develop competency in post-harvest management, processing and value-addition technologies for reducing losses and improving the economic value of agricultural commodities.
3. Familiarize scientists with sustainable and circular approaches, including by-product utilization, waste-to-wealth, resource recovery and climate-resilient processing systems.
4. Strengthen the capacity to identify and develop market-oriented value-added products by considering consumer preferences, quality and safety standards, packaging, branding and market opportunities.
5. Promote interdisciplinary research and technology dissemination for strengthening agricultural value chains, enhancing farmers' income and supporting rural entrepreneurship and sustainable livelihoods.

COURSE CONTENT

- Concept, Scope and Dimensions of Secondary Agriculture
- Indian Agricultural Scenario and Emerging Challenges
- Agri-Value Chains and Value Addition
- Post-Harvest Management and Loss Reduction
- Food Processing and Preservation Technologies
- Value Addition in Cereals, Millets and Pulses
- Value Addition in Fruits, Vegetables, Spices and Plantation Crops
- Livestock, Dairy and Fisheries-Based Secondary Agriculture
- Agricultural Residue and By-Product Utilization

- Circular Agriculture and Circular Bioeconomy
- Climate-Resilient and Climate-Smart Agri-Systems
- Integrated Farming Systems for Sustainability
- Water, Soil and Energy Resource Efficiency
- Sustainable Packaging, Storage and Cold-Chain Management
- Food Safety, Quality Standards and Regulatory Framework
- Agri-Entrepreneurship and Business Models
- Digital Technologies, AI and Smart Value Chains
- Research, Innovation and Technology Commercialization
- Teaching and Extension Approaches for Secondary Agriculture
- Policy, Schemes, Institutional Support and Future Opportunities

About UAS, Bangalore:

University of Agricultural Sciences, Bengaluru (UAS-B) has two teaching campuses at Bengaluru and Chintamani and offers eight Bachelor's Degree programmes in Agriculture and allied fields, along with 25 Master's and 20 Doctoral programmes and selected Post-Doctoral programmes. Two affiliated agricultural colleges were established from 2024–25, and several new UG, PG, Ph.D. and Diploma programmes have commenced from 2026–27. The University has also expanded its diploma, certificate and distance education programmes. In 2026, UAS-B achieved significant recognition, including an A+ NAAC accreditation, 11th position in NIRF 2025 among Agriculture and Allied Sectors and 1st among farm universities in Karnataka, besides securing 7th position in the IIRF-2026 agriculture and horticulture rankings. The University has received prestigious awards, Best Centre Awards for major research programmes, and continues to contribute significantly to agricultural education, research and extension.

