

# 21 Days National Refresher Course

cum Capacity Building Training Programme

on

**“Next-Generation Agriculture: Science, Technology and  
Innovation for Climate-Resilient and Sustainable Farming”  
(N-GAIST-2026)**

**18 September to 08 October, 2026**

**(Through Online Mode)**



**Organized by**

**Directorate of Human Resource Development  
Agriculture University, Kota, Rajasthan**

## Agriculture University, Kota

Agriculture University, Kota is a prominent institution dedicated to the advancement of agricultural education, research, extension and human resource development. The University is committed to addressing the emerging challenges of agriculture through quality education, need-based research, technological innovation and effective dissemination of knowledge for the benefit of farmers and other stakeholders. The University serves as an important centre for agricultural development in south-eastern Rajasthan. Through its constituent colleges, research stations, Krishi Vigyan Kendra's and other academic and extension units, the University works towards generating, refining and disseminating location-specific technologies for sustainable agricultural growth. The University offers academic programmes in diverse disciplines of agriculture and allied sciences and strives to develop competent human resources capable of meeting the changing needs of modern agriculture. Its research and extension activities focus on improving agricultural productivity, enhancing resource-use efficiency, promoting climate-resilient farming systems and strengthening farmers' livelihoods. It is actively embracing emerging technologies such as precision agriculture, artificial intelligence, machine learning, remote sensing, GIS, drone technology, biotechnology and digital agriculture. The University is committed to promoting innovation-driven, sustainable and climate-smart agricultural practices to address the challenges of climate change, natural resource degradation and food and nutritional security.

Through its Directorate of Human Resource Development, the University also emphasizes capacity building and professional development of scientists, teachers, extension personnel, researchers, students and other agricultural professionals. By organizing national and international training programmes, workshops, refresher courses and capacity-building initiatives, the University contributes significantly towards strengthening knowledge, skills and competencies in emerging areas of agricultural science and technology. With a vision to integrate science, technology and innovation for sustainable agricultural transformation, Agriculture University, Kota continues to work towards developing a resilient, profitable, inclusive and future-ready agricultural sector.

## Training Background

Agriculture is undergoing a rapid transformation driven by climate change, technological advancements, changing food and nutritional requirements, resource constraints, market dynamics and the growing need for sustainable and profitable farming systems. The agricultural sector is increasingly required to produce more with fewer natural resources while maintaining soil health, conserving water, reducing environmental degradation and ensuring the economic viability of farming communities.

The concept of Next-Generation Agriculture therefore emphasizes the integration of scientific knowledge, emerging technologies, innovation, entrepreneurship and sustainable resource management to develop farming systems that are climate-resilient, resource-efficient, environmentally sustainable, economically viable and socially inclusive. There is a pressing need to continuously update the knowledge and professional competencies of scientists, teachers, researchers, extension personnel, KVK Subject Matter Specialists, field professionals and postgraduate and doctoral students in these

emerging areas. A structured refresher and capacity-building programme can provide an effective platform for knowledge exchange, hands-on learning, interdisciplinary interaction and exposure to recent advances in agricultural research and technology.

In this context, the proposed 21 Days National Refresher Course-cum-Capacity Building Training Programme on “Next-Generation Agriculture: Integrating Science, Technology and Innovation for Climate-Resilient, Sustainable and Profitable Farming” (N-GAIST 2026) is proposed to be organized by Directorate of Human Resource Development, Agriculture University, Kota.

### **Aim of the Programme**

The overall aim of the programme is to bring together experts, various academicians, scientists, researchers, extension professionals, Research Scholars (PG & Ph.D. Students) and other working professionals from different parts of the country and enhance the knowledge, professional competence and technological capacity of participants in emerging areas of agricultural science and technology, with particular emphasis on climate resilience, sustainability, innovation and farm profitability.

### **Major Thematic Areas**

- Foundations of Next-Generation Agriculture
- Climate-Resilient and Climate-Smart Agriculture
- Digital and Precision Agriculture
- Soil, Water and Natural Resource Management
- Biotechnology and Emerging Agricultural Technologies
- Sustainable and Innovative Farming Systems
- Data Science and Research Methodology
- Agricultural Entrepreneurship and Innovation

### **Proposed Resource Persons**

Various experts from ICAR institutes, Central Universities, Agricultural Universities, National Research organizations, Government Departments, Agri-tech industries, Start-ups and incubators, Leading scientists, academicians from premier technical institutions will deliver their expertise lecture on different subject related topics through lectures, audio-video presentations and group interaction.

### **Participants and Eligibility**

The 21 Days National Refresher Course-cum-Capacity Building Training Programme is open to scientists from ICAR institutes and Agricultural Universities; faculty members and academicians of State Agricultural Universities and other academic institutions; KVK Subject Matter Specialists (SMS's); Officers from Agriculture and Allied Departments; PG and Ph.D. Research Scholars; Young Professionals, JRF, SRF, RA and Professionals from agri-tech industries and start-ups; representatives of NGOs and organizations working in the agricultural sector.

## Mode of Training Programme

Training Programme will be organized through **Virtual/hybrid mode (Online through Zoom Platform)**, combining online expert lectures, Hands-on practical sessions, Demonstrations and Expert Panel Discussions.

This approach will facilitate participation of eminent experts from leading institutions across India and abroad while maintaining strong practical and field-oriented components.

## Registration

Interested participants are required to submit the duly filled registration form using the below mentioned registration link along with the prescribed registration fees through using the bank details or by QR code for payment.

**Registration Link:** <https://forms.gle/QGy4J2DXiZtHdbLVA>

The registration fee details for participation in the training programme are as follows:

| Category                                                                  | Registration Fee |
|---------------------------------------------------------------------------|------------------|
| PG Students / Ph.D. Research Scholars                                     | Rs.1500/-        |
| JRF / SRF / Young Professionals (YP) / Research Associates (RA)           | Rs.2000/-        |
| Faculty Members / Scientists of NARS & SAUs / Other Working Professionals | Rs.2500/-        |

**Note:** The registration fee is non-refundable and non-transferable.

## Fee Payment Bank Details

**Account Holder Name:** Director, HRD, AU, Kota  
**Account Number:** 43715612129  
**Bank:** State Bank of India (SBI), Borkhera, Kota  
**IFSC Code:** SBIN0032394  
**QR Code:** Scan QR to pay registration fee

SCAN QR AND PAY



UPI ID: SBIBHIM.022211900662024-YM633425@SBIPAY  
Merchant Name: AGRICULTURE UNIVERSITY

Registration Fee must be paid in advance in favour of Director, HRD, AU, Kota Account No: 43715612129, State Bank of India (SBI), Borkhera, Kota, IFSC Code: SBIN0032394 or deposit due registration fee through below cited QR code and submit the screenshot of registration fee receipt of their transaction through Google form.

Interested participants are invited to register on or before 15<sup>th</sup> September, 2026 and take advantage of this 21 Days National Refresher Course-cum-Capacity Building Training Programme.

## Important Dates

|                                                 |            |
|-------------------------------------------------|------------|
| Last date for receipt of application form:      | 15/09/2026 |
| Intimation of selection through email:          | 16/09/2026 |
| Confirmation about participation through email: | 16/09/2026 |
| Commencement of Training:                       | 18/09/2026 |

**Participants will be awarded a Certificate of Successful Completion upon successfully completing the 21 Days National Refresher Course-cum-Capacity Building Training Programme (N-GAIST-2026). Certificate soft copy will be send via email, followed by a hard copy of certificate along with registration fee receipt by post to the participant's address.**

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AU, Kota

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AU, Kota

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AU, Kota

**Dr. Praveen Singh**  
Assistant Professor, CH&F, Jhalawar  
AU, Kota

**Sh. Shashi Kant Bharti**  
Informatics Assistant  
AU, Kota

### Contact for Correspondence

**Dr. B. L. Dhaka**  
Course Director

**Dr. Piyush Choudhary**  
Organizing Secretary & Course Coordinator

☎ 8769887687 | ✉ hrdaug@gmail.com | ☎ 9461922313 | ✉ piyushdudi@gmail.com