

WORKSHOP HIGHLIGHTS

ACADEMIC RELEVANCE:

The domains of food technology, nutrition, safety, and health research are undergoing rapid transformation driven by advances in artificial intelligence (AI), digital platforms, and state-of-the-art analytical technologies. Contemporary research and regulatory environments increasingly demand interdisciplinary competence that integrates data analytics, systems biology, automation, and digital quality systems.

This five-day online workshop is academically relevant as it addresses emerging research methodologies, AI-enabled tools, regulatory frameworks, and translational approaches essential for high-impact research, teaching, and industry engagement. The programme aligns with current priorities of higher education institutions, research funding agencies, and regulatory bodies, fostering evidence-based innovation and global best practices.

The programme brings together eminent scientists, academicians, and practitioners from premier national and international institutions to offer theoretical insights, practical perspectives, and future research directions.

OUTCOME

- At the end of the workshop, participants will be able to:
- Gain practical insights into emerging technologies and AI applications in food, nutrition, safety, and health research
- Understand regulatory and digital quality system requirements in nutraceuticals and functional foods
- Apply advanced analytical and AI-driven approaches to food safety, quality assurance, and health research
- Enhance research planning, data interpretation, and scholarly publication using AI-assisted tools

ABOUT AIU-AADC

The Association of Indian Universities (AIU) is a premier representative body of universities and higher educational institutions (HEIs) in India. The AIU-Academic and Administrative Development Centre (AADC) is a forward-looking initiative aimed at strengthening the academic and administrative ecosystem of HEIs.

The Centre focuses on:

- Training faculty for online, offline, and blended teaching-learning methodologies
- Developing e-content and leveraging technology for continuous assessment and evaluation
- Facilitating research collaboration
- Conducting programmes on effective university governance and administration through technological advancements

ADVISORY COMMITTEE

| SI No. | Name | Department | Designation |
|--------|------------------------------|--|-------------------------|
| 1. | Prof. Alak Kumar Buragohain | Vice Chancellor | Convenor |
| 2. | Joint Secretary | AIU | Member |
| 3. | Prof. Amar Jyoti Choudhary | Director, Dr. BHCC, RGU | Member |
| 4. | Dr. Diganta Munshi | Registrar - Administration | Member |
| 5. | Dr. D. N. Singh | Registrar - Academics | Member |
| 6. | Prof. George A.P. | Dean RSB & RSC | Coordinator & Secretary |
| 7. | Prof. Hiren Kumar Deva Sarma | Professor, Department of IT, Gauhati University | External Member |
| 8. | Dr. Rashmi Dutta Baruah | Associate Professor, Department of CSE, IIT Guwahati | External Member |
| 9. | Dr. Aruna Dev Roy | Associate Professor & HOD, RSC | Member |
| 10. | Dr. Deepjyoti Choudhury | Associate Professor & HOD, Dept of CSE, RSET | Member |
| 11. | Ms. Dipika Tulshyan Agarwal | Dy Registrar, HR & Regulatory Compliance | Member |
| 12. | Mr. Shamim Goney | Dy Registrar, RGU | Member |
| 13. | Mr. Sasanka Boruah | Sr. Manager (IT), RGU | Member |

In association with RGU - IQAC

FIVE-DAY ONLINE WORKSHOP ON EMERGING TECHNOLOGIES & AI APPLICATIONS IN FOOD TECHNOLOGY, NUTRITION, SAFETY AND HEALTH RESEARCH

9th February to 13th February 2026



OBJECTIVES OF WORKSHOP

- To understand emerging analytical, digital, and AI-enabled technologies in food and nutrition research
- To explore applications of artificial intelligence in food safety, quality assurance, and public health
- To gain insights into nutrigenomics, nutrigenetics, personalised nutrition, and gut microbiome research
- To familiarise participants with regulatory frameworks and digital quality systems governing functional foods and nutraceuticals
- To enhance research productivity through AI-assisted research design, manuscript writing, and journal selection

WHO SHOULD ATTEND

Faculty members, researchers, scientists, doctoral scholars, industry professionals in Food Technology, Nutrition, Biotechnology, Life Sciences, Public Health, and allied disciplines.

CERTIFICATION

Participants who attend all sessions will be awarded a Certificate of Participation

REGISTRATION PROCESS

1. Pay the registration fee using the QR Code
2. Take a screenshot of the payment
3. Fill the registration form using the provided link
4. Upload the payment screenshot in the form
5. Submit the form
6. Join the WhatsApp group (link visible after successful submission)



Registration fee:
Rs. 500 (including GST)

Registration Link:

<https://forms.gle/NBFZdKn35dQTEhQk9>

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Dr. Pranati Das, Professor

Dept of Food Technology, Royal Global University

ABOUT RGU

The Assam Royal Global University, since its inception in 2017, has been a trendsetter in the higher education landscape in the North-East. The University in its endeavour to build a legacy of character and reputation in the state of Assam and in Northeastern region is committed to offer quality education at affordable price. The university has been striving towards achieving the goals of academic and professional excellence in conformity with the vision and the goals of the National Education Policy (NEP) 2020 and Sustainable Development Goals (SDGs) envisioned by the United Nations. The University constantly endeavours to motivate, inspire and guide the young minds to serve the society, the nation and the whole world as conscious, conscientious and committed citizens with highest level of professionalism, basic human values and virtues for a sustainable world. Our faculty comprises accomplished professionals who bring global perspectives and expertise gained from esteemed institutions and organizations across the globe.

The university is on a fast growth trajectory with 23 schools, 9 centres, 8500 plus students, 500 plus faculty members and more than 130 programmes offering UG, PG and PhD level besides having state-of-the-art infrastructure facilities for nurturing innovation, research, sports, cultural diversity, environmental sustainability, etc.

Date: 9th Feb, 2026– 13th Feb, 2026

Time: 11am- 1 pm and 2 pm -4 pm

Mode: Online

WORKSHOP SCHEDULE

Day 1 – Monday, 9 February 2026

10:30 am – 11:00 am **Inaugural Session**

Session 1: 11:00 am – 1:00 pm

Nutraceuticals and Functional Foods for Metabolic Diseases

Dr. Bhanu Prakash Reddy
Scientist, ICMR-National Institute of Nutrition (NIN)

Session 2: 2.30 PM – 4.30 PM

Digital Quality Systems & Emerging Technologies in Functional Food Regulation

Dr. Punam Mishra, Professor, Tezpur University, Tezpur, Assam

Day 2 – Tuesday, 10 February 2026

Session 3: 11:00 AM – 1.00 PM

Advanced Analytical Techniques in Food Technological Research

Dr. Manashi Das Purkayastha, Associate Professor & Head, Department of Food Technology, Assam Skill University, Mangaldoi, Assam

Session 4: 2.30 PM – 4.30 PM

AI-Driven Quality Assurance in Food Testing Laboratories

Dr. Neel Kamal Kalita, Deputy Food Analyst, State Public Health Laboratory, Guwahati

Day 3 – Wednesday, 11 February 2026

Session 5: 11:00 AM – 1.00 PM

Nutraceutical Regulations and the Science & Regulatory Path for Innovation

Dr. D. B. A. Narayana, Indian Pharmaceutical Scientist

Session 6 (Afternoon): 3.30 PM – 5.30 PM

Nutrigenetics, Nutrigenomics & Personalised Nutrition

Dr Ruma Bhattacharyya, Retired Professor, Dept. of Food Science and Nutrition, Assam Agricultural University

Day 4 – Thursday, 12 February 2026

Session 7: 11:00 AM – 1.00 PM

Artificial Intelligence in Food Safety: Predictive Contaminant Detection & Risk Modelling

Dr. Manoj Hazarika, Tezpur University

Session 8: 2.30 PM – 4.30 PM

Chromatographic Techniques in Phytonutrient Profiling: Bridging Gaps & Exploring New Horizons

Dr. R. Ananthan, Scientist-E, ICMR-National Institute of Nutrition, Hyderabad

Day 5 – Friday, 13 February 2026

Session 9: 11:00 AM – 1.00 PM

Recent Advances in Clinical Evidence of Prebiotics, Probiotics & Postbiotics in Relation to Gut Microbiome & Health

Dr. D. J. Bhuyan, Western Sydney University, Australia

Session 10: (Afternoon) 2.30 PM – 4.30 PM

AI Tools for Research & Manuscript Writing

Dr. Sanjay Kumar, Associate Professor, Sharda University, Noida
4:30 pm – 5:00 pm **Valedictory Session**