

CONVENER

Prof. (Dr.) Alvina Farooqui
Head, Department of Bioengineering,
Integral University

CO-CONVENER

Dr. Zeeshan Rafi
Assistant Professor, Department of Bioengineering,
Integral University

Dr. Imran Hussain
Assistant Professor, Department of Bioengineering,
Integral University

PROGRAM COORDINATION COMMITTEE MEMBERS

Animal Tissue Culture, Chromatography Techniques

Dr. Ashish | Dr. Azhar kamal | Dr. Tafteeq Ahmad
Dr. Latafat Choudhary | Er. Abu Junaid

Food Safety / Security

Dr. Kaiser Younus | Dr. Poonam Sharma
Dr. Hina Siddiqui | Er. Nuzhat Bashir
Ms. Priyanka Dubey

AI Tools in Research

Dr. Khwaja Osama | Er. Soban Ahmad
Dr. Gyanendra Tripathi

ABOUT INTEGRAL UNIVERSITY, LUCKNOW

Integral University, Lucknow is a premier multidisciplinary institution established under the Uttar Pradesh State Government Act No. 9 of 2004. Recognized by the University Grants Commission (UGC) and approved by various statutory councils, the University is committed to excellence in education, research, innovation, and value-based learning. Accredited with an A+ Grade by NAAC (2023) and recognized as a Scientific & Industrial Research Organization (SIRO) by the Department of Scientific & Industrial Research (DSIR), the University has earned national recognition, including NIRF rankings in Pharmacy from 2017–2024. With world-class academic infrastructure, modern laboratories, advanced hostel facilities, and an 800+ bedded teaching hospital, Integral University provides a vibrant, inclusive, research-oriented environment that prepares students for successful careers and meaningful contributions to society.

REGISTRATION FORM

ONE WEEK SKILL DEVELOPMENT WORKSHOP

ANIMAL TISSUE CULTURE, CHROMATOGRAPHY TECHNIQUES, FOOD SAFETY/SECURITY AND AI TOOLS IN RESEARCH

(5th-11th AUGUST, 2026)

HOW TO APPLY?

Candidate must apply online solely through Integral University Website.

REGISTRATION LINK

<https://iul.ac.in/frmAdvProgramRegistration.aspx?>

1. Animal Tissue Culture & Chromatography
INR-3500 (Outside IU) INR-3000 (Inside IU)
2. Food Safety & Security
INR-3500 (Outside IU) INR 3000 (Inside IU)

Note: External student have to upload a Forwarding letter from the Head/Dean/Director of Department /Faculty/Institute

VENUE

DEPARTMENT OF BIOENGINEERING
INTEGRAL CENTRE OF EXCELLENCE FOR INTERDISCIPLINARY RESEARCH (ICER)
INTEGRAL UNIVERSITY, LUCKNOW

FOR ANY QUERY CONTACT

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Dr. Imran Hussain
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Accommodation : Is available for limited seats
at a minimal charge of
Rs. 800/- per day Including Food.

SCAN QR
CODE FOR
REGISTRATION



**INTEGRAL
UNIVERSITY**
LUCKNOW - INDIA

A+ ACCREDITED
BY NAAC



ONE WEEK

SKILL DEVELOPMENT WORKSHOP

ON

ANIMAL TISSUE CULTURE, CHROMATOGRAPHY TECHNIQUES, FOOD SAFETY/SECURITY AND AI TOOLS IN RESEARCH

5th-11th AUGUST, 2026

Organized by

**DEPARTMENT OF BIOENGINEERING
FACULTY OF ENGINEERING
INTEGRAL UNIVERSITY, LUCKNOW-226026**



ABOUT THE DEPARTMENT

The Department of Bioengineering under the Faculty of Engineering is committed to apply biological principles to biological sciences to develop systems and processes that will prove to be beneficial for the society. The department offers undergraduate and post graduate courses in engineering viz. UG Course B. Tech Biotechnology, B. Tech Food Technology, B. Tech Biomedical Engineering PG Course M. Tech Biotechnology, M. Tech Food Technology, M. Tech Biomedical Engineering, M. Tech biochemical Engineering (Evening Course), M. Tech Bioinformatics, and PhD in various areas of Biotechnology, Bioinformatics, Food Technology & Biomedical Engineering under the Faculty of Engineering. The Department has fully equipped research laboratories and well qualified faculty members having doctoral, post doctoral degrees in engineering and research trainings from India and abroad. The faculty members and research scholars associated with the department have published more than 250 research papers in different national and international journals having high impact factor, citation index and H index. The department has the privilege of receiving research grants from various reputed national and international funding agencies like DST New Delhi, DBT, New Delhi, UGC, New Delhi, ICMR, New Delhi, UP Council of Science & Technology, Lucknow, Uttar Pradesh etc. The research scholars of the department are regularly receiving fellowships from UGC MANF, DST INSPIRE, UPCST PA/RA and ICMR SRF for pursuing their research either from the department or from the national laboratories like CDRI Lucknow, NBRI Lucknow, IITR Lucknow, CIMAP Lucknow, SGPGI Lucknow, CISH Lucknow, NBFGR Lucknow, IISR Lucknow, KGMU Lucknow etc. Various MOU's have also been signed with CISH Lucknow, IISR Lucknow, RMLIMS Lucknow, BRIATS Allahabad, AMU Aligarh, JMI New Delhi, Jamia Hamdard New Delhi, UNIMAS Malaysia, JNU New Delhi, University of Louisiana, Monroe USA for collaborating and facilitating inter institutional research and training. The department also has the distinction of providing good placement to the students

in association with CCG&D and many students qualify national level exams like GATE, CSIR-NET, UGC-NET, ICAR-NET, CAT, MAT etc.

ABOUT THE WORKSHOP

Advances in biotechnology, life sciences, food technology, and artificial intelligence (AI) have significantly transformed scientific research and industrial applications, creating a growing demand for professionals with both theoretical knowledge and practical laboratory skills. To address this need, this One-Week Skill Development Workshop has been designed to provide comprehensive training in Animal Tissue Culture, Chromatographic Techniques (HPLC), Food Safety & Security, and AI Tools in Research. The programme combines expert lectures, live demonstrations, supervised laboratory sessions, and hands-on training to equip participants with practical experience in laboratory protocols, advanced instrumentation, experimental design, data analysis, quality assurance, and current industrial applications. Participants will also gain exposure to AI-powered research tools for literature review, reference management, research data organization, scientific writing, graphical abstract preparation, presentations, and research productivity enhancement. By integrating conventional laboratory techniques with emerging computational technologies, the workshop aims to bridge the gap between academic learning and industry expectations while enhancing research efficiency, innovation, scientific communication, and employability. This multidisciplinary programme is ideal for students, research scholars, faculty members, laboratory professionals, and industry personnel seeking to strengthen their technical expertise, digital research skills, and understanding of emerging trends in biotechnology, healthcare, pharmaceuticals, food technology, and AI-driven research.

WORKSHOP MODULE (OPTIONAL)

Animal Cell Culture & Chromatographic Techniques:

1. Preparation of Media for Animal Cell Culture
2. In vitro Maintenance of Cell Lines
3. Cryopreservation & Revival of Cell Line

4. Thin Layer Chromatography
5. Ion Exchange Chromatography
6. High Performance Liquid Chromatography
7. Ethical Use of AI

Food Safety & Security:

1. Introduction of Food Safety & Hygiene Practices (GMP, GHP, HACCP & COP)
2. Proximate Composition Analysis
3. Detection of Food Adulterants in Dairy Products
4. Food Quality Evolution Parameters
5. Advanced Scientific Equipment's Demonstration
6. New Product Development (NPD) & Sensory Evaluation
7. Ethical Use of AI

WHO SHOULD ATTEND THE WORKSHOP?

The course is open for students of UG and PG Level with the background of Biochemical Engineering, Microbiology, Biochemistry, Biotechnology, Life Sciences, Chemical Sciences, Chemical Engineering & Technology and allied disciplines & Food Technology. The workshop has a limited intake of 30 participants for the Animal Cell Culture & Chromatography module and 30 participants for the Food Safety and Security module. Selection will be made on a first-come, first-served basis. Candidates outside of Lucknow may be provided with lodging and fooding facilities in university's hostel on payment basis.

EVENT SCHEDULE AND CRUCIAL DATES

Registration Begins : July 16, 2026

Last date for receipt of filled online application form:
AUGUST 4, 2026

Commencement of workshop: **AUGUST 5, 2026**

RESOURCE PERSONS

The faculty members, Supporting Staff Members of the Department to deliver lectures on the various topics to cover entire spectrum of the Workshop's theme.