

# HANDS-ON TRAINING ON CELL CULTURE TECHNIQUES

**DURATION – 4 DAYS**

**NO. OF SEATS – 20-25**

**DATES – NOV 21- NOV 24, 2024**

**MODE OF WORKSHOP – OFFLINE**

**WORKSHOP FEE – ₹ 3500/- +18% GST**

## ABOUT THE WORKSHOP

The Department of Applied Sciences, Indian Institute of Information Technology Allahabad is thrilled to offer students and researchers an insight into the intricacies of handling animal cells under in vitro culture. Cell culture technology covers a wide array of applications in molecular biology, biomedical research and pharma industry. Cancer research, drug discovery and screening, virology, genetic engineering are some areas that depend on cell culture procedures. Considering this relevance and the lack of exposure to culture techniques in researchers who need them for their research we have planned a foundation level hands-on training for all students and academics who wish to broaden their research skill-set. This course will aid students to get a practical-cum-theoretical one-on-one approach to cell culture basics through demonstrations and specialized lectures.

## TRAINING CURRICULUM

- Overview of Cell Culture Lab and good cell culture practices
- Maintenance of Sterility and Aseptic Conditions with Do's & Don'ts in Cell Culture lab
- Introduction to Cell Culture Instruments and Equipment
- Preparation of Culture Medium and Solutions
- Demonstration of different cell types
- Cell line revival from cryo-storage, maintenance
- Sub-culturing (passaging)
- Estimation of confluency and cell-counting
- Cryopreservation

## REGISTRATION LINK

<https://forms.gle/VfsHZe7kc2FtmhAEA>

### COORDINATOR

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**Accommodation and fooding** – Outstation participants may be offered residential arrangements at the Institute subject to availability and payment of additional charges on first-come-first-served basis and food charges are to be paid as per the consumption at hostel mess



## VENUE

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