

## MEMORANDUM OF UNDERSTANDING (MOU)

This Memorandum of Understanding (MoU) is entered into 29th, April, 2025 by and

BETWEEN

**INSTITUTE OF EMINENCE SCIENCE & RESEARCH (IESR)** powered by Hedrons Global Pvt Ltd, Plot No-14, 1st Floor, Ecotech II, Udyog Vihar, Greater Noida, Gautam buddha Nagar, UP, India-201310, with Pan no-AAHCH7079L and CIN no-U85306UP2025PTC215191 and GST no-09AAHCH7079L1ZU.

AND

**KASHI INSTITUTE OF TECHNOLOGY (KIT)** is a private, self-financed, NAAC 'A' grade accredited autonomous institution established in 2008 by the Jain Education Society. The institute is approved by the All India Council for Technical Education (AICTE), New Delhi, and is affiliated with Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow. Situated on the Varanasi-Prayagraj (Allahabad) Highway in Mirzamurad, Varanasi, Uttar Pradesh, KIT offers a range of undergraduate and postgraduate programs in engineering, management, and applied sciences.

**IESR and Kashi Institute of Technology (KIT)**, hereinafter together referred to us "Parties" and individually as "Party".

### 1. Background of the Institutions:

The Institute of Eminence Science & Research (IESR) is North India's first integrated Life Sciences platform, dedicated to bridging the gap between academia and industry in genomics. Despite biotechnology being taught for over two decades, the industry still faces a severe shortage of specialized, job-ready professionals. While genomics is transforming healthcare, agriculture, and biotechnology, 95% of students in biotechnology programs lack direct training in genomics, leading to a talent gap that slows industry growth.

IESR was founded under the visionary leadership of Dr. Ashish Dubey, a pioneer in life sciences education and industry integration. With extensive experience in genomics, bioinformatics, and biotechnology commercialization, Dr. Dubey has spearheaded multiple initiatives to make life sciences education more practical, industry-focused, and career-driven. His expertise in technology transfer and start-up incubation has helped shape IESR's mission to train, place, and empower the next generation of genomics professionals.

Just as IT transformed the technology landscape, IESR is building a structured talent pipeline for genomics. Through specialized industry-driven training, hands-on exposure to cutting-edge technologies, and biotech start-up incubation, we ensure that students are not just educated but placed directly into high-demand genomics roles.

Our collaborations with 40+ industry partners allow us to offer faculty workshops in genomics, equipping educators with the latest advancements and ensuring curricula remain aligned with industry needs.

Our mission is clear to **establish India's first Genomics Institute**, where students transition from **learning to leading** in this rapidly expanding field. By integrating **research, education, and industry**, IESR is shaping the future of life sciences and relevant fields, one breakthrough at a time.

**Kashi Institute of Technology (KIT)** has been contributing to education and research in engineering, management, and applied sciences. The institute emphasizes practical learning, industry readiness, and student skill development through modern teaching methods and industry partnerships. KIT aims to shape professionals who are academically sound, socially aware, and ready to take on real-world challenges.

## **2. PURPOSE**

**2.1** This MoU aims to **establish a strong research, training program, and industry-academic partnership**, fostering **innovation, skill development, and career growth** in life sciences and Genomics.

**2.2** The collaboration will focus on:

- **Creating a Research & Training Hub** to support **academic and industry collaboration**.
- **Developing joint research projects and securing national/international research grants** (DBT, DST, CSIR, ICMR, private funding).
- **Providing access to advanced technologies**, including **Next-Generation Sequencing (NGS)** and bioinformatics tools.
- **Launching a Bio-Innovation Hub** for **start-up incubation and commercialization of research**.
- **Ensuring hands-on training and industry exposure** to equip students with **job-ready skills** for R&D and industry roles.
- **Organizing faculty workshops/Seminar/Symposium etc.**, in **genomics** to bridge the knowledge gap and enhance the impact of academic training.

## **3. TERMS OF EXECUTION**

### **3.1 Collaborative Research & Faculty Development**

- **Establish joint research initiatives** in **genomics, bioinformatics, nanotechnology, and forensics**.
- **Facilitate faculty collaboration** for interdisciplinary research and grant applications.
- **Organize faculty training programs, knowledge-sharing sessions, and industry-aligned courses**.

### **3.2 Student Engagement & Industry-Aligned Education**

- **Integrate academic programs with industry-driven case studies and practical applications**.
- **Provide hands-on training in cutting-edge life sciences technologies and other relevant fields**.
- **Invite industry experts for guest lectures, mentor-ship, and research collaborations**.

### **3.3 Bio-Innovation Hub & Technology Commercialization**

- Establish a **Bio-Innovation Hub** to support life sciences start-ups and research commercialization.
- Facilitate **technology transfer and patent filing** for innovations developed under the collaboration.
- Enable **open-access utilization of genomics and bioinformatics tools** for academia and startups.

### **3.4 Workforce Development & Internship Programs**

- Train and place **students in R&D and industry roles**, ensuring industry-relevant skills.
- Provide **internship opportunities** at IESR and with industry partners.
- Conduct **workshops, hackathons, and skill-based training sessions**.

## **4. FINANCIAL COMMITMENTS & PRICING**

- Both parties agree to share **funding opportunities and research grants** for collaborative projects.
- **IESR will provide special pricing** for sequencing and training services for students and faculty.
- Financial aspects will be **agreed upon on a project-by-project basis** through separate agreements.

## **5. INTELLECTUAL PROPERTY (IP) & PUBLICATIONS**

**5.1** Each Party shall retain ownership of its **pre-existing intellectual property**. Any new **intellectual property (IP)** generated under this collaboration shall be **jointly owned or governed by a separate agreement**.

**5.2** IESR shall retain **exclusive rights to research outputs, reports, and technologies** developed at IESR unless otherwise agreed upon in writing.

**5.3** **Joint publications will be encouraged**, with proper authorship credit to faculty and students from both institutions.

## **6. BRANDING & PUBLICITY RIGHTS**

**6.1** Both parties may mention this partnership in **promotional materials, academic conferences, and official publications**, subject to prior approval.

**6.2** Neither party shall register **trade names, trademarks, or branding elements** that are identical to or can be confused with the other party's intellectual property.

## **7. CONFIDENTIALITY**

**7.1** Both parties agree to **maintain confidentiality** regarding proprietary information, research findings, trade secrets, and any other sensitive data shared under this MoU.

**7.2** The confidentiality agreement shall remain in effect for five (5) years beyond the termination of this MoU unless extended by mutual agreement.

## **8. DISPUTE RESOLUTION & LEGAL COMPLIANCE**

**8.1** Any disputes shall be resolved amicably through mutual discussions.

**8.2** If a resolution cannot be reached, the dispute shall be referred to arbitration, with the place of arbitration being placed and conducted under Indian laws.

**8.3** Both parties agree to comply with all applicable legal, ethical, and regulatory standards for research, training, and commercialization.

## **9. DURATION & TERMINATION**

**9.1** This MoU shall remain in effect for a period of 5 years from the date of signing.

**9.2** Either Party may terminate this MoU with the Institute, written notice, ensuring the completion or smooth transition of ongoing projects.

## **10. GENERAL PROVISIONS**

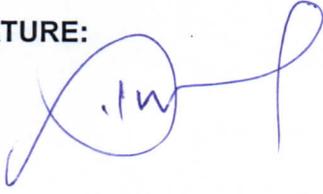
**10.1** This MOU will become effective beginning on the day after last party signed. This MOU will be reviewed annually on or around the anniversary of its effective date. This MOU may only be modified by the written agreement of the parties, duly signed by their authorized representative.

**10.2** This MOU may be terminated by party after giving the other party 30 days written notice of the intent to terminate. If the **Kashi Institute of Technology (KIT)**, terminates this MOU, it will permit any student working at the **Kashi Institute of Technology (KIT)** at the time of termination the ability to complete his/her work.

**10.3** The **IESR** and the **Kashi Institute of Technology (KIT)**, will meet upon request or as necessary to resolve any potential conflicts and to facilitate a mutually beneficial experience for all involved.

**10.4** Students are not entitled to workers compensation benefits for any injury sustained during the internship, training or learning activity. The **IESR** and **Kashi Institute of Technology (KIT)**, will take reasonable measures to provide a safe and secure workplace in accordance with rules and regulations.

SIGNATURE:



SIGNATURE:



**Dr. Ashish Kumar Dubey**  
Founder,  
IESR, Greater Noida

DATE: 29/09/25

**Director,**  
**Kashi Institute of Technology (KIT)**  
Varanasi

DATE: 29/04/25