

# MEMORANDUM OF UNDERSTANDING

For

## CERTIFICATE COURSE IN METAGENOMICS & BIOINFORMATICS

Between

**Kirori Mal College**  
University of Delhi  
Delhi- 110007

And

**PhiXgen Pvt. Ltd.**

(FLAT NO. 101, Sector 47, GH-11 ATLANTIS CGHS LTD. GURUGRAM, HR IN122001)

### **Background**

#### **I. About PhiXGen Pvt. Ltd.**

PhiXGen is committed to delivering quality services includes support for Next Generation Sequencing projects for Genomics, Transcriptomics and Proteomics studies. The major focus of the firm is to work towards innovation, development, deployment and commercialization of products and services. The work mandate includes providing technical services to beginners who are facing difficulties in their projects. We purpose to serve various national and international government and private sector agencies like industries/universities/colleges/autonomous body/Department etc. The wide scope of the firm also includes the onsite/offsite/online training courses for graduates/post-graduates and corporates/ professionals.

#### **II. About Kirori Mal College**

Kirori Mal College is a premier constituent College of Delhi University known for its innovative and inclusive pedagogical practices, highly qualified and committed faculty and its robust and vibrant academic and co-curricular activities.

## Mission

The defining aspects of the mission of the college to realize its vision are:

- To facilitate our students and teachers to become outstanding scholars, educators, researchers and professionals.
- To inculcate in our students the importance of learning (social, emotional, experiential) and its continuous pursuance so as to enable them to develop a holistic perspective
- To achieve enhanced level of education through innovative and professional methodology, hands-on training, workshops and seminars.
- To motivate and empower students to become academically proficient, intellectually engaged and socially responsible citizens with a clear understanding of the diversity that exists in the ethos of our culture and society.

## Objectives

- To inculcate a commitment to quality and ethically sound practices.
- To instill a goal oriented and professional approach among students to become responsible citizens.
- To constantly review the curricular and co-curricular progress of the students to adopt effective measures for addressing the challenges.
- To instill in students a scientific temperament and an analytical mindset.
- To provide infrastructural facilities such as laboratories, library etc. conducive to teaching-learning environment for the stakeholders.
- To be well equipped for commencing and conducting graduate and postgraduate courses and research-oriented programs as and when the University of Delhi and University Grants Commission permit their implementation.
- To conduct specialized additional courses.
- To periodically interact with reputed industries and research institutes.

**III. CERTIFICATE COURSE IN METAGENOMICS & BIOINFORMATICS:** As per the MoU signed on June 6, 2022, PhiXgen Pvt. Ltd. and Kirori Mal College will work together to curate a Certificate Course in Metagenomics & Bioinformatics. The course will be delivered in two modes: Onsite (Hands on/in college / Face to face training) and online. The details of the Modules are enclosed in **Annexure 1**.

**IV. Course fee will be different for onsite (College/Face to face) training and online training.**

1. **Onsite Course Fee: INR 6000/-**
2. **Online Course Fee: INR 1000/-**

S.No	Course	Fee (Rs.)	Modules				Total Hours
			Module-I: Basics of Computational Biology	Module-II Genomics	Module III Metagenomics	Lab. Visit	
1.	Online Course	1000/-	Yes	Yes	Yes	No	40 hrs
2.	Onsite Course	6000/-	Yes	Yes	Yes	YES	12 Weeks

**Role of PhiXgen:** Establishing the online digital Classrooms and conduct classes (Theory & Practical) as per the Modules in **Annexure I**. Coordinate with Faculty for classes and assess participant performance.

**Role of Kirori Mal College:** Invite participation from students, researchers and professionals by wide publicity. Appoint a course moderator and staff for fee collection, coordinate assessments. Certification and communicate with participants. Transfer fee to PhiXgen vide details in **Annexure II**

**Fee sharing:** The fee will be collected by the college via online fee payment portal (bank details in **Annexure III**). Fee will be shared between college and PhixGen. College will retain 20% fee for online/offline per participant. Fee collected will be transferred to PhiXgen as per account details provided:

**III. Essential qualifications: Participants must have Biology as a Discipline in UG/PG Degree. System requirements (Laptop/Desktops with good Network is needed)**

This agreement will take effect upon its signing by the representatives/authorised signatory of **PhiXGen Pvt. Ltd. and** shall remain in effect for a period of two years (June, 2022-June, 2024). Multiple batches of the online courses will be conducted as per the number of participants (Onsite courses will be dependent on COVID guidelines of Government of India) Each online batch will have a minimum of 35 participants and maximum of 65 participants. For the onsite the batches can be scheduled as per the availability of Laboratories. Based on student response, new batches can be added. In case of any unforeseen circumstances, the enrolled students will be allowed to finish the course and the agreement can be revisited.

**Force majeure:** Neither party shall be held responsible for non-fulfillment of their respective obligations under this MOU due to the exigency of one or more of the force majeure events such as but not limited to Acts of God, War, Flood, Earthquakes, Strike, Lockouts/Lockdowns, Epidemics, Riots, Civil Commotion etc. provided on such occurrence and cessation thereof, the other party immediately after, but not later than one month of such occurrence and/or cessation, shall restart its obligation under this MoU. The period between the occurrence and cessation of such event will be excluded while calculating the period during which the parties have to perform the obligations under this MOU. If the force majeure conditions continue beyond six months, the parties shall then mutually decide about the future course of action.

**For PhiXGen Pvt. Ltd.**

*Rup Lal*

**Dr. Rup Lal  
(Honorary Adviser)**

*Utkarsh Sood*

**Dr. Utkarsh Sood  
(Director, PhiXGen)**

**For Kirori Mal College**

*V. Chauhan 06/6/22*

**Prof. Vibha Singh Chauhan  
(Principal, KMC)**

(प्रो. विभा सिंह चौहान)

Prof. Vibha Singh Chauhan

प्राचार्या/Principal

किरोड़ी मल कॉलेज/Kirori Mal College  
दिल्ली विश्वविद्यालय/University of Delhi  
दिल्ली-110007/Delhi-110007

*M. Ramananda Singh*

**Dr. M. Ramananda Singh  
(IQAC Coordinator)**

*Gauri Garg*

**Dr. Gauri Garg Dhingra  
(Coordinator)**