



**MEMORANDUM OF UNDERSTANDING
FOR A JOINT CENTRE FOR TRAINING, RESEARCH & DEVELOPMENT IN
PHYSICAL SCIENCE, CHEMICAL SCIENCE, AND MATHEMATICAL SCIENCE
BETWEEN
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA (IISER-K)
AND
UNIVERSITY OF GAUHATI (GU), GUWAHATI, AXOM ("ASSAM")**

This Memorandum of Understanding (MoU) for a joint centre for training, research & development has been entered into between:

The **Indian Institute Science Education and Research Kolkata** (hereinafter referred to as "IISER-K"), an autonomous science research and education institute of national importance, established by the Ministry of Human Resource Development (MHRD). **It is considered as the FIRST PARTY.**

and

The **University of Gauhati, or Gauhati University (GU)**, which was set up as a State University under the University Grants Commission (UGC) in 1948, existing today with 43 in-campus Departments and more than 340 affiliated colleges spread over the State of Assam.

1. Objective and Rationale

The fields of Physical Science, Chemical Science, and Mathematical Science have always been very attractive portal for young researchers to enter scientific research. In recent decades, these fields have witnessed spectacular growth and attained the status of one of the most active frontiers of science in general, starting from the particles at nano scale to the galaxies and clusters in the cosmos. This MoU seeks to capitalize on the unique opportunity to harness the complementarity of a specialised research institution, IISER-Kolkata, with the capacity of the broad research and education institution, University of Gauhati, for well timed mutual growth in this frontier area through the joint Centre.

1. Scope of Memorandum of Understanding:

The primary goals of the MoU would be to:

- (i) **Create a collaborative research and teaching activity that includes scientists and/or researchers from both the institutions,**
- (ii) **Expose talented young researchers to exciting scientific challenges in identified in focus Areas of Physical Science, Chemical Science, and Mathematical Science during their formative years and provide them rigorous training, thereby contributing to the development of human resources for research in the relevant areas.**



To achieve the above

- ❖ IISER-K and GU shall identify annually, and provide as attachment to this MoU, specific training, research and development focus areas broadly within Physical Science, Chemical Science, and Mathematical Science of mutual interest to the members of the joint Centre in the two institutions.
- ❖ Faculty, Scientific staff, and Student exchange between the institutions for teaching, research, and development activities
 - The two institutes will actively seek to promote mutual faculty and student exchange for mutually agreed periods
 - Faculty and Scientific staff exchange may assume various forms, such as teaching courses, setting up of facilities for research and/or training, short-time and long term visits, joint research and development projects
 - Student exchange visits at doctoral level will be encouraged between collaborating faculty members
 - IISER-Kolkata will select up to 6 BS-MS students each year for final year project works at GU to work in identified focus areas.
- ❖ Joint research activities and academic meetings to create a common shared base of expertise required to initiate more intense research in specific Focused Areas.
- ❖ Identify specific areas for developing joint collaborative projects and explore funding opportunities for the same.

2. Joint responsibilities of the parties and Financial Obligations:

- Each institution shall support the travel expenses for faculty and student visitors to the other under this joint centre programme. The host institution for these visits will allow access to available institutional facilities, provide accommodation and living expenses per rules prevailing in the host institution to the visitors.
- Time spent by faculty from either Institute at the partner organization to facilitate the joint initiatives under this understanding would be treated as official on duty work.
- Both the parties agree to monitor the success of the academic exchange programmes and to use this information, wherever necessary, to make improvements to the academic exchange programmes.
- Both the parties will send necessary letters of invitation and information about research related activities with a copy to the Head of the Institute through the respective Coordinators.
- Each party will seek to make available resources and funds toward further the goals of the Joint centre.

- Specific activities and programmes other than mentioned in the clauses above shall be subject to availability of funds and resources.

❖ **Faculty Coordinators:**

Annually, both the parties shall appoint one member of its teaching/research faculty to coordinate the programme on its behalf. Further, a Coordination Committee consisting of a programme coordinator from either side will periodically review and identify ways to strengthen cooperation between the institutions/universities. The Faculty Coordinators of the Centre from GU and IISER - Kolkata will seek, identify and invite faculty interested in furthering the above aims of the joint centre.

IISER K	GU
Director IISER Kolkata e-mail: director@iiserkol.ac.in	The Head, Department of Applied Sciences, Faculty of Technology, GU e-mail: appliedsc@gauhati.ac.in

❖ **Confidential information and intellectual property rights:**

- Each party shall not make any public announcement or statement or publish or release any information or use logo of the other party in relation to any proposed collaboration without the prior written approval of both the parties. Each party shall keep confidential any information that receives from other party marked confidential.
- All intellectual property solely conceived and/or developed by IISER-K during this agreement shall be owned by IISER-K. All intellectual property solely conceived and/or developed by GU during this agreement shall be owned by GU. Intellectual property jointly conceived and/or developed by IISER-K and GU will be jointly owned by IISER-K and GU. Each party may use such property for research and scholarly purposes.

❖ **Arbitration clause:**

Should there be a dispute relating to any aspect of academic cooperation, the Director, IISER-K, and Registrar, GU will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

❖ **Validity, renewal, termination and amendment:**

- The MoU will remain in force for a period of FIVE (5) years commencing from the date of signing. Institutions may extend the term by written agreement signed by both the institutions after review.
- Either institution may terminate the MoU by giving written notice of six months in advance to the other institution.
- The MoU may be amended or modified by a written agreement signed by the representatives of both the institutions.

IN WITNESS whereof this MoU has been executed by the duly authorized representatives of IISER-K and GU hereto on the day of 14th February, 2019, at Gauhati University.

Signed on behalf of
The Indian Institute of Science Education
(IISER-K)

Signed on behalf of
University of Gauhati (GU)

Registrar

Date:

Witnesses:

1. *Prasanta K. Panigrahy*
PRASANTA K. PANIGRAHY
2. *Eeshankur Saikia*
(EESHANKUR SAIKIA)

Prof. Sourav Pal
निदेशक/Director
भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान कोलकाता
Indian Institute of Science Education and Research Kolkata
(Under Ministry of HRD, Govt. of India)
मोहनपुर/Mohanpur-741246, पश्चिम बंगाल/West Bengal

Registrar

Date:

07-11-19
पञ्जीरक
पञ्जीरक निश्चिन्तालय, गुवाहाटी-१४
Registrar
Gauhati University, Guwahati-14
07-11-2019