

**MEMORANDUM OF UNDERSTANDING**  
**Between**  
**St. Xavier's College (Autonomous), Kolkata, India**

**And**  
**Arun Duggal Centre of Excellence for Research in Climate Change and Clean Air (CERCA), Indian Institute of Technology Delhi,**

St. Xavier's College (Autonomous), Kolkata (hereinafter SXC), located at 30, Mother Teresa Sarani, Kolkata, India, and Arun Duggal Centre of Excellence for Research in Climate Change and Air Pollution, Indian Institute of Technology, Delhi, (hereinafter CERCA, IIT-D), located at Hauz Khas, New Delhi - 110016, India, agree to cooperate in regard to research and outreach activities on climate change and air pollution based on the principle of reciprocity. SXC and CERCA, IIT-D are referred to individually as a "party" and collectively as "parties".

This Memorandum of Understanding (hereinafter MOU) serves as a framework document for both parties to collaborate towards understanding air pollution, monitoring and mitigation, models for low carbon development, and expanding knowledge in the domains of air quality, climate change, and low carbon development. The MOU will help in capacity building for St. Xavier's, in the form of practical training for students, field experiments, workshops, and internships overseen by the IIT Delhi.

**A. OBJECTIVES**

Through this MOU, the parties have as their objective to formalize a mutual research collaboration, with the following objectives:

1. To establish a long-term relationship between St. Xavier's College (Autonomous), Kolkata and CERCA, IIT-D to facilitate collaborative studies and research on air quality
2. To establish a collaboration (as a technical partner) with IIT Delhi.
3. To help build indigenous capacity on air pollution monitoring, assessment and mitigation among the students and faculty members of St. Xavier's College (Autonomous), Kolkata
4. To provide an opportunity for the students and faculty members of St. Xavier's College (Autonomous), Kolkata to work with the data obtained from the Beta attenuation monitoring (BAM) instrument installed at the Raghobpur Campus of St. Xavier's College (Autonomous), Kolkata for research publication.
5. To jointly work for the understanding of air pollution, climate change, and their effects on human health by organizing special lectures, workshops, conferences, internships and publications.

**B. OBLIGATION OF THE PARTIES**

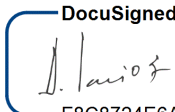
1. St. Xavier's College, Kolkata will be responsible for the safety and security of the installed instrument at the Raghobpur Campus and would also provide the name of the nodal person in-charge of supervision of the instrument, while IIT Delhi will be responsible for maintenance and any kind of troubleshooting of the instrument and all costs associated with smooth running of the instrument.
2. Capacity building for St. Xavier's College in the form of practical training, field experiments, workshops, and internships overseen by the IIT Delhi.
3. The students and faculty of St. Xavier's College, Kolkata have the right to access the data generated from the Beta attenuation monitoring (BAM) instrument and this right culminates in joint publications. In case of a joint publication, the student authorship will

be provided as per their contribution.

4. CERCA, IIT-D will provide the technological KNOW-HOW and processing of the data generated.
- C. Friendly negotiations: Should there arise any other issues not provided for, both parties shall address such issues through friendly negotiations.
- D. Confidentiality and Data Protection:
1. The data generated by the instrument will only be available to the students of SXC designated by the Principal and it will not be made public without the consent of IIT, Delhi.
  2. The data only be used for research publication and not for any other purpose.
  3. CERCA, IITD would have exclusive Intellectual property rights (IPR) related to all/any research outcomes in this case.
- E. PUBLICITY  
SXC will not make any individual press conference and it will only be done jointly with the representative of IIT Delhi. But publicity will be made on the website and will also be used for getting better scores in NIRF/ NAAC.
- F. OWNERSHIP  
The ownership of the instrument will be with IIT Delhi and St. Xavier's College (Autonomous), Kolkata will only be the custodian during the tenure of this MoU.
- G. Governing Law Clause
1. Both parties acknowledge that the construction and performance of this Memorandum of Understanding shall be governed by the laws of India.
  2. This Memorandum of Understanding reflects the respective institution's commitments to both educational and academic exchanges as of the date of the Memorandum of Understanding.
  3. This MOU shall become effective on the first day after both parties have signed the document and shall remain in effect for a period of five (5) years from that date. It will be automatically renewed for further periods of equal time if it is not rescinded by either party. Any necessary modifications or early termination of this MOU require written notice of six months in advance. In case this MOU ceases to be effective on account of termination, the provisions of all valid supplemental agreements shall continue to apply to the extent necessary to secure the implementation of existing activities as agreed upon in the supplemental agreements.
  4. This MOU is executed in English in two copies, one for each party, which have equal legal effects.

Duly authorized representatives of St. Xavier's College (Autonomous), Kolkata and, Indian Institute of Technology, Delhi executed this MOU as of the date and year given below.

**For St. Xavier's College (Autonomous),  
Kolkata, INDIA**

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**Rev. Dr. Dominic Savio, S.J.  
Principal**

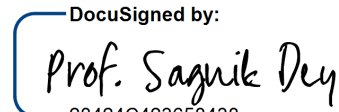
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Witness:

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**Dr. Panchali Sen  
Dean, International Studies and Programme**

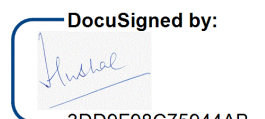
**For CERCA, Indian Institute of  
Technology, Delhi  
Delhi, India**

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**Prof. Sagnik Dey  
Institute Chair Professor and  
Coordinator, CERCA, IIT-D**

**Date: May 29, 2023 | 11:22 PM PDT**

Witness:

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**Hemant Kaushal  
Project Coordinator, CERCA, IIT-D**