



## MEMORANDUM OF UNDERSTANDING

BETWEEN

**Sant Longowal Institute of Engineering and Technology,  
Longowal**

AND

**Indian Institute of Tropical Meteorology (IITM), Pune,  
The Ministry of Earth Sciences, Govt. of India**

For

**Scientific collaboration in STUDIES ON "Weather & Atmospheric  
Processes,"**

This Memorandum of Understanding (hereinafter referred to as MOU) is entered into on  
...Feb 6, 2026... BETWEEN Sant Longowal Institute of Engineering and Technology,  
Longowal (hereinafter referred to as "**FIRST PARTY**"), situated at Longowal, Sangrur Punjab  
-148106.

AND

**Indian Institute of Tropical Meteorology (IITM), Pune,** (hereinafter referred to as  
"**SECOND PARTY**"), An Autonomous Body under the Ministry of Earth Sciences, Govt. of  
India, situated at Pashan, Pune - 411 008.





This MOU is towards recognizing the areas of mutual interest for relevant scientific, technical, and social fields of education in science and technology, research, dissemination of knowledge and training to undergraduate and postgraduate Students along with small duration project work if required. The Parties are desirous of entering into this MOU for University-Institute interaction to declare their respective intentions and to establish the basis of cooperation and collaboration between the Parties upon the terms as contained herein.

## I. PREAMBLE:

**Sant Longowal Institute of Engineering and Technology, Longowal** was established by Ministry of Human Resource and Development (MHRD), Govt. of India in the year 1989 and was formally inaugurated on 20th December 1991. The institute is an autonomous body, fully funded by Govt. of India and controlled by SLIET society, registered under Societies Registration Act, 1860. The institute awards its own Certificates, Diplomas, Undergraduate and Postgraduate approved and recognized by AICTE, New Delhi. Ph.D. programmes have also been started after it attaining status of Deemed to be University.

Indian Institute of Tropical Meteorology (IITM) Pune is an autonomous institute, under the Ministry of Earth Sciences (MoES), Govt. of India. IITM is a premier research Institute to generate scientific knowledge in the field of meteorology and atmospheric sciences that has potential application in various fields such as agriculture, communications, etc. It functions as a national centre for basic and applied research in monsoon, weather, and climate.

## II. Role and responsibilities of the SLIET and IITM, Pune.

1. SLIET will provide the basic infrastructure required such as electricity, internet connectivity (if available), and security, etc to set up the Lightning Location sensors at





its campus. Further, any assistance in installation, as may be required will be provided by SLIET.

2. IITM will be installing a sensor of the lightning location network at the SLIET campus in Longowal along with accessories for locating the occurrence of lightning.
3. In case of SLIET desires to establish an Atmospheric Electricity Observatory at Longowal. IITM would help SLIET in establishing, by providing the necessary know-how for fabrication and operation of electric field mill and Conductivity apparatus for measurements of fair-weather atmospheric electric parameters.
4. The ownership and all rights on instruments and facilities installed by IITM will be owned by IITM.
5. Collaborating scientists of IITM and SLIET will take part in data acquisition (using IITM facilities at SLIET, analysis and interpretation of data and publication of research papers under joint authorship. Papers/project reports published using data collected at SLIET should acknowledge the contributions of both SLIET and IITM scientists.
6. SLIET will be taking part in the day-to-day maintenance of the instruments as may be required. IITM Scientist(s) may visit SLIET as may be needed for maintenance and troubleshooting.
7. SLIET will provide necessary facilities to IITM staff during the visit to SLIET with prior information.
8. IITM will provide accommodation facilities to SLIET staff and students during the visit to IITM with prior information, as per the regular tariff of IITM. Students' accommodation will be subject to the availability of the hostel facility and will be limited to the number of days as decided by the IITM.
9. As per data policy all rules shall be applicable to the Faculty from SLIET for data requirements from IITM, Pune.





10. IITM faculty may be invited to SLIET as adjunct/visiting faculty to deliver lectures on syllabus-related topics and topics of current interest in Cloud Physics, Atmospheric Electricity, weather & Climate and Atmospheric Science. The schedule for the same may be finalized by mutual consent. In case of syllabus-related topics, SLIET will provide remuneration to IITM faculty as per rules and regulations of SLIET.
11. IITM will provide the Training to SLIET staff/students at their campus about the instruments installed in the premises of SLIET.
12. Students of SLIET are encouraged to do short-term project work with IITM Scientist on Thunderstorm Dynamics and Atmospheric Electricity. The sanctions for the students are subject to the availability of the Hostel and other facilities of IITM. The students are also encouraged to apply for their projects through the regular application procedure for the internships and projects coordinated by the Academic Cell.
13. The technical and administrative liaison shall be maintained between the SLIET through the Programme Monitoring Group (PMG) is Dr Kamlesh Kumari, Dean (P & D), Dr Surinder Singh, Dean (R & C) and Dr Shankar Singh HoD (Mechanical) and IITM through Programme Monitoring Group (PMG) Dr Hamza Varikoden (Sci F), Sh. Manoj Domkawale (Sci B) **(IITM Side)** to facilitate the joint activity.
14. Any other areas of co-operation as agreed to by the Parties from time to time.

**III. NOW, THEREFORE, IT IS HEREBY AGREED BY IITM, Pune AND SLIET TO SIGN THIS MoU.**

**(i) Period of MoU:**

This MOU comes into effect from the date of its signing and will remain in force for Five Years. Its validity can be extended by mutual agreement of the parties.

**(ii)** The progress of the collaboration and scientific output shall be reviewed once a year by the Director IITM, Pune, and Director, SLIET, Longowal alternately at Pune and Longowal.

**(iii)**





### (iii) Broad Objectives:

SLIET and IITM hereby agree to collaborate at an academic level in activities related to aforesaid topics.

### Confidentiality clause

The sharing and dissemination of technical information and know-how generated or acquired in the course of this research shall be worked out jointly by IITM and SLIET in keeping with the national interests and overall objectives of the programs.

### Ownership of equipment

The expenditure on maintenance of the equipment belonging to IITM shall be incurred by IITM. Since the property ownership rights for the equipment would remain with IITM, the annual depreciation as well as insurance charges on this equipment shall be borne by IITM.

### TERMINATION

In case of breach of trust, the MoU may be terminated by giving one month's written notice of termination.

### No liability clause

All activities would be normally carried out with due professional care and declared safety precautions while handling different technologies, instruments, equipment, and substances. However, neither IITM nor SLIET shall claim from the other, any compensation for any loss or damage whatsoever resulting from to implementation of any technology, the use of any instruments or equipment or the handling of any substance at the premises of IITM, the SLIET or any other potential premises developed under this MoU.

### IV. SETTLEMENT OF DISPUTES

Any difference or dispute between the Parties concerning the interpretation and/or implementation and/or application of any of the provisions of this MOU shall be settled amicably through mutual consultation and/or negotiations between the Parties. In case, the dispute cannot be resolved mutually, either side may take recourse to arbitration by designating some responsible and impartial authority/person as the sole arbitrator to settle the dispute/s may be.





## V. REVISION, VARIATION AND AMENDMENT

Either Party may request in writing a revision, variation, or amendment of this MoU. Any such revision, variation or amendment agreed to by the Parties shall be in writing and shall form part of this MoU. Such revision, variation or amendment shall come into force on such date as may be determined by the Parties.

This MOU is duly authorized by the respective organizations with the witness and signature on this MOU on the date





## Signatures and Seal of the Organizations

**Sant Longowal Institute of Engineering and Technology, Longowal (FIRST PARTY)**

*Manikant Paswan*  
6/2/26

(Dr. Manikant Paswan)  
Director, SLIET, Longowal,

AND

*Shankar*  
06/2/2026  
(Dr. Shankar Singh)

*Kamlesh Kumari*  
6/2/26  
(Dr. Kamlesh Kumari)  
Professor and Dean (P & D)  
Representative witness of SLIET, Longowal,

*Surinder Singh*  
06/02/26  
(Dr. Surinder Singh)  
Professor & Dean (R&C)  
SLIET Longowal

**Indian Institute of Tropical Meteorology (IITM), Pune (SECOND PARTY)**

*Vinu K. Valsala*

(Dr Vinu K. Valsala)  
Scientist G and MoU Signing Authority (For Director),  
IITM, Pune

AND



Witness

1.

*Hamza Varikoden*

**DR. HAMZA VARIKODEN**

Scientist-F

Indian Institute of Tropical Meteorology  
(Ministry of Earth Sciences), Pune-08

2.

*Jayesh Dhanger*

Jayesh Dhanger  
Project Scientist I  
IITM, Pune.