

SUBJECT : APPROVAL TO SIGN AN MOU WITH NIT AGARTALA

It is proposed to sign an MOU with NIT, Agartala to increase the Institute -  
Institute Linkages for Academic and Research Collaboration.

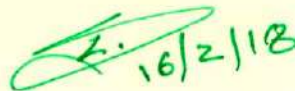
Submitted for kind approval please.

Encl: Copies of MOU - (3)

  
16/2/18  
HOD (FET)

2589  
16/02/18  
Dean (R&C)  16.02.18  
Dean (A)  16/2/18

  
Director

  
16/2/18

56  
19/2/18  
Dean (R&C)

জগদীশ (গিথ এবং পরামর্শ) কার্যালয়  
সচিব প্রদত্ত সনং 56  
তারিখ 19/2/18  
জগদীশ (গিথ এবং পরামর্শ) কার্যালয়  
সচিব বহিঃস্থ সনং  
তারিখ



## Memorandum of Understanding

*between*

**Sant Longowal Institute of Engineering and Technology, Longowal, Sangrur (Punjab)**

*and*

**National Institute of Technology, Agartala, Tripura State.**

### Contract Partners :

**Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Sangrur (Punjab) and National Institute of Technology Agartala (NITA), Tripura State.**

### Principal Agreement :

Sant Longowal Institute of Engineering and Technology (SLIET) and National Institute of Technology Agartala (NITA), agree to enter into a bilateral agreement for a tie-up to facilitate academic and technical collaboration and therefore, the two Institutes, SLIET and NITA, are signing a Memorandum of Understanding (MOU) on this date 16<sup>th</sup> Feb' 2018 as per the articles set below.

### **Article-1.0: THE SCOPE OF MOU:**

The scope of MOU covers collaborative R & D, academic interaction leading to reforms in curriculum, student exchange associated with transfer of credits, faculty exchange, sharing of resources, accessibility to sophisticated instruments, sharing of knowledge of best practices.

### **Article-2.0**

The activities under the agreement will be as described below for collaboration and which form the schedule to this MOU. This schedule may be amended by mutual agreement.

Dean (AAC)

### **Article-2.1**

SLIET and NITA will submit collaborative research projects to various funding agencies like DST, CSIR, etc. in the topics and areas of mutual interest. The sharing of fund and manpower will be case specific and depending on the detailing of the project concerned.

### **Article - 2.2**

The instrumentation facilities, Laboratory and Library facilities of one of the institutes will be made available for the research scholars, UG/PG students doing their projects, faculty members working in the other institute. Wherever charges are to be paid, concessional charges as decided by the facility-providing institute will be paid from the funds of the joint-research projects or research projects/other funds of the other institute.

### **Article-2.3**

The faculty members of each of the institutes may teach part of the courses or give expert lectures at the other institute through video-conferencing mode using NKN or possible media without prejudice to their work and responsibilities at their home institute.

### **Article – 2.4**

The UG/PG students of each of the institutes can take courses or do project works/dissertation works in the other institute (host institute). The credits earned by the students in the host institute will be transferred to the home institute and will be considered for the purpose of grading by mapping to the courses and credits as per the curriculum of the home/ parent institute. Project guidance and its continuous evaluation will be done by the faculty member (external guide) at the host institute. One faculty member (internal guide) at the home institute will also be assigned to each of such projects. Dissertation/project report will be submitted to the home institute through the internal guide for final evaluation. Grading of the projects/dissertations will be done, based on continuous and final evaluation as per the grading procedure of the home institute.



## **Article – 2.5**

SLIET and NITA will organize National/ International Conferences/ Seminars/ Symposia/ workshops jointly in conformity to the rules and regulation of both the institutes.

## **Article – 3.1**

In addition, it is envisaged that each activity, that the parties wish to pursue in accordance with the purpose of this MOU will be governed by terms and conditions to be separately negotiated and mutually agreed upon by the parties through the signing of one or more subsidiary agreements.

## **Article – 3.2**

Any clause or article of the MOU may be modified or amended by mutual agreement of SLIET and NITA.

## **Article-4.1**

In case of joint research projects, the research findings, patents and all other intellectual property rights shall exclusively be owned by SLIET and NITA.

## **Article-4.2**

The expenditure connected with securing and maintaining the Intellectual Property Rights shall be shared between the two institutes (SLIET and NITA) proportionally, based on their respective intellectual, material and financial contributions and decided on a case-to-case basis.

## **Article – 5.1**

This MOU shall be effective for an initial period of five years from the date of signing. Thereafter, this MOU may be extended for further periods of five years or for any other period of time as deemed appropriate by both the parties, subject to their mutual consent of any such extension to be made in writing.

## **Article –5.2**

Either party may terminate this MOU by giving a written notice of termination of at least three months in advance.

### Article -5.3

In the event of termination of MOU, for whatever reasons, both parties agree to fulfil their respective commitments in respect of the students, research scholars, faculty involved in the activities which are in vogue during such termination time and MOU will be considered to be in force till completion of such activities.

### Article - 6.0

#### Arbitration

In case of any dispute arising out of this agreement, the heads of the institutes shall endeavour to resolve such controversy or dispute by mutual discussions and in good faith.

This MOU between SLIET, and the NITA, Tripura is now established by the signatures of the Directors of the two institutes.

For SLIET Longowal

For NIT Agartala

  
(Prof. Shailendra Jain)

  
(Prof. H. K. Sharma)

Director  
Sant Longowal Institute of Engineering & Technology  
(SLIET), Longowal, Sangrur District  
संत लोंगोवाल इंजीनियरिंग एवं प्रौद्योगिकी संस्थान  
Longowal-148106, Punjab (India)  
लॉगोवाल, संगरूर, पंजाब 148106

Director  
प्रो. हरीश कुमार शर्मा  
NIT Agartala, Tripura State  
निदेशक / Director  
National Institute of Technology  
Agartala

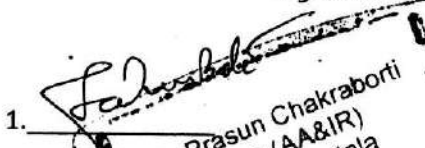
Witnesses:

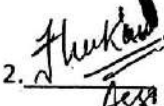
1.   
Dean (A)

SLIET, Longowal

2.   
Dean (R&C)

SLIET, Longowal

1.   
Dr. Prasun Chakraborti  
Dean (AA&IR)  
N.I.T., Agartala

2.   
Asst. Dean (AA&IR)  
NIT Agartala



**Subject: Regarding signature on Memorandum of understanding (MoU) between SLIET, Longowal & IMS, Vietnam Academy of Science and Technology, Hanoi, Vietnam.**

PUC is Memorandum of understanding (MoU) between SLIET, Longowal & Institute of Materials Science (IMS), Vietnam Academy of Science and Technology, Hanoi, Vietnam.

Vietnam Academy of Science and Technology, Hanoi, Vietnam has signed the MoU with SLIET, Longowal to promote cooperation in the fields of education and academic research. The MoU covers the development of joint research projects between SLIET, Longowal and IMS, Vietnam Academy of Science and Technology (VAST), exchange visit of faculty members, research scientists, and students for research activities. It also covers the co-organization of seminars, symposia, conferences and other R&D activities as may be agreed upon by the SLIET, Longowal and IMS (VAST) Vietnam.

The Director, IMS (VAST), Hanoi, Vietnam has signed the MoU with SLIET, Longowal. 06 copies of MoUs are signed by Director, IMS (VAST). MoU is prepared as per approved format of SLIET, Longowal and recommended by FI (Patents & MoU) for signatures by Director, SLIET, Longowal.

Submitted for consideration and signatures by Director, SLIET, Longowal.

Dean (R&C) Recommendation.

*J. K. Singh*  
29.10.18

- Director

Financial obligations will be separately negotiated.

Dean (R&C) *J. K. Singh*  
31.10.18

Gurbax Singh, Asst.

FI (Patent & MoU) - one copy of MoU for record.

Mod-ECE - Four copies of MoU for record and further action.

*Gurbax Singh*  
31/10/2018

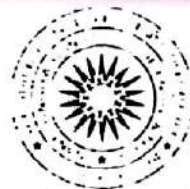
*Gurbax Singh*  
29/10/2018  
Gurbax Singh  
Assistant

Receipt No./JST  
3490  
Date/दिनांक : 29/10/18

अधिष्ठाता (शोध एवं प्रामाण्य) पालिका  
सचिका बहिर्गमन सं. 1404  
दिनांक 29/10/18



Institute of Materials Science, Vietnam Academy  
of Science and Technology (IMS/VAST, Vietnam)



SLIET, Longowal, Longowal - 148106 (Pb.)  
(CFTI established by Govt. of India)

## **MEMORANDUM OF UNDERSTANDING**

### **BETWEEN**

**Institute of Materials Science, Vietnam Academy of Science and Technology**  
**18 Hoang Quoc Viet, Cau Giay, Hanoi, Vietnam**

### **AND**

**SantLongowal Institute of Engineering and Technology**  
**Longowal - 148106, Sangrur (Pb.), India**

### **Principal Agreement**

Institute of Materials Science, Vietnam Academy of Science and Technology, 18 Hoang Quoc Viet, Cau Giay, Hanoi, Vietnam (hereinafter referred to as "IMS/VAST") and SantLongowal Institute of Engineering and Technology, Longowal - 148106, District Sangrur (Pb.), India (hereinafter referred to as "SLIET, Longowal") agree to enter into a Memorandum of Understanding to promote cooperation in the fields of education and academic research.

**Now it is hereby agreed as follows:**

#### **Article 1. Scope of cooperation**

The scope of this MoU covers:

1. Development of joint research projects.
2. Visit and personnel exchanges (faculty members, researchers and young scientists).
3. Exchange of scientific and technical information.
4. Co-organization of short term training and faculty development programmes, seminars, symposia and conferences.
5. Other activities as may be agreed upon by the Parties.

#### **Article 2. Mechanism for implementation**

For the purpose of implementation of this MoU, IMS/VAST will be represented by Assoc. Prof. Dr. Doan Dinh Phuong, Director and nominates Assoc.Prof. Dr. Ngo Quang Minh, Head of Laboratory of Materials and Engineering of Optical Fibers as a coordinator.

And SLIET, Longowal will be represented by Prof. Dr. Shailendra Jain, Director and nominates Prof. Dr. Surinder Singh, Department of Electronics and Communication Engineering as a coordinator.

These representatives may meet as and when necessary to draw plans of action and to review the progress in the implementation of the agreed arrangements as outlined in Article 1.

If necessary, separate subsidiary agreements may be signed for one or more of the activities mentioned in Article 1 for specific details and terms and conditions. All activities under this MoU shall be subject to availability of resources and approval by the competent authorities of the respective organizations.

All activities under this MoU will be in line with the regulations of the Socialist Republic of Vietnam and the Republic of India.



*SP*



### Article 3. Financial obligations

For each activity outlined in Article 1, the extent of financial commitment by the two organizations will be separately negotiated and agreed upon. Prior to final agreement and the carrying out of any activity arising from this MoU both IMS/VAST and SLIET, Longowal must obtain the concurrence in writing of their respective finance/Accounts and Audit Sections.

### Article 4. Duration of MoU

This MoU will come into force on the date of its execution by the authorized signatories of IMS/VAST and SLIET, Longowal shall remain in force for a period of 5 years and may be renewed upon its expiry with the agreement of both parties. If the MoU remains dormant for the consecutive years it will be deemed to have lapsed.

Either IMS/VAST or SLIET, Longowal may terminate the MoU by giving 6 months' notice in writing to the other party. The termination of this MoU shall not affect the implementation of the activities already established under it prior to such termination.

### Article 5. Amendments

This MoU may only be amended by mutual agreement evidenced in writing by a duly authorized representative from both organizations.

### Article 6. Intellectual Property

Any intellectual property (IPR) arising out of the implementation of this MoU shall be secured and maintained by mutual consent according to the provisions of the IPR rules of IMS/VAST and those of SLIET, Longowal.

### Article 7. Settlement of Disputes

Any dispute, conflict of interest or problems arising from the application or interpretation of this MoU shall be resolved by mutual discussion and in good faith by the designated representatives of both organizations as mentioned in Article 2.

### Article 8. Legal status

Nothing in this MoU shall be construed as creating any legal relationship between the parties. This MoU is a statement of intent to foster genuine and mutually beneficial cooperation.

This MOU is made into six (6) copies and duplicated in English with each of the copies being equally authentic, three of which shall be kept by each Party.



On behalf of IMS/VAST  
Assoc. Prof. Dr. Doan Dinh Phuong  
Director  
Coordinators:  
For IMS/VAST

Assoc. Prof. Dr. Ngo Quang Minh  
Date: Oct. 05, 2018

On behalf of SLIET, Longowal

Prof. Dr. Shailendra Jain  
Director  
Sant Longowal Institute of Engg. & Tech.  
For SLIET, Longowal  
Longowal - 148115, Punjab (India)  
ਲੋਗੋਵਾਲ ਸੰਗਣ, ਪੰਜਾਬ - 148115

Prof. Dr. Surinder Singh  
Date:





SLIET, Longowal, Longowal - 148106 (Pb)  
(CFTI - Established by Govt. of India)

LOGO  
Pharmafiliates Analytics & Synthetics (P) Ltd.,  
Panchkula

## MEMORANDUM OF UNDERSTANDING

BETWEEN

Sant Longowal Institute of Engineering and Technology, Longowal- 148106  
District Sangrur (Punjab) India

&

Pharmafiliates Analytics & Synthetics (P) Ltd., Plot No. 225, Industrial Area  
Phase-II, Panchkula, Haryana-134109, India

### PRINCIPAL AGREEMENT

Sant Longowal Institute of Engineering and Technology, Longowal, Sangrur (Punjab) India (hereinafter referred to as "SLIET, Longowal" and the context so admits includes its successors and assignees) and M/s. Pharmafiliates Analytics & Synthetics (P) Ltd., Panchkula (Haryana) India (herein after referred to as "Pharmafiliates, Panchkula" and the context so admits includes its successors and assignees) agree to enter into a Memorandum of Understanding to facilitate while taking initiatives to start the Teaching, Research and Consultancy Collaboration with M/s. Pharmafiliates Analytics & Synthetics (P) Ltd., Panchkula.

Now it is hereby agreed as follows:

#### ARTICLE 1. SCOPE OF COOPERATION

The scope of this MoU covers (Provide the broad list the activities / programmes meant to be included. A suggestive list is provided below which can be pruned / modified)

1. M/s. Pharmafiliates, Panchkula may offer summer / winter internship to the PG students of Chemistry and Food Engg. & Technology Department.
2. Possibilities will be explored to initiate teaching and R&C collaboration in the area of Chemistry / Biotechnology as per need of both the organizations.
3. Possibilities may also be explored for sponsoring PG / Ph.D. projects by M/s. Pharmafiliates, Panchkula with mutual consultation.



## **ARTICLE 2. MECHANISM FOR IMPLEMENTATION**

For the purpose of implementation of this Memorandum of Understanding (MOU), SLIET, Longowal, will be represented by Dr. A. S. Arora, Dean (Academics), HOD (Chemistry), HOD (Food & Engg. Tech.), Dr. Harish Chopra, Prof (Chemistry) and the M/s. Pharmafillates, Panchkula will be represented by Dr. A.K. Sabharwal, Director, M/s. Pharmafillates, Panchkula, Haryana. Dr. Harish Chopra, Professor (Chemistry) and Dr. A.K. Sabharwal, Director will co-ordinate the activities of MoU on behalf of SLIET and M/s. Pharmafillates, Panchkula respectively.

These representatives may meet as and when necessary to draw plans of action and to review the progress in the implementation of the agreed arrangements as outlined in Article-1.

If necessary, separate subsidiary agreements may be signed for one or more of the activities mentioned in Article-1, for specific details and terms and conditions. All activities under this MoU shall be subject to availability of resources and approval by the competent authorities of the respective organizations.

## **ARTICLE 3. FINANCIAL OBLIGATIONS**

For each activity outlined in Article-1, the extent of financial commitment by the two organizations will be separately negotiated and agreed upon.

## **ARTICLE 4. DURATION OF MOU**

This MoU will come into force on the date of its execution by the authorized signatories of SLIET, Longowal, and Pharmafillates, Panchkula, and shall remain in force for a period of five years and may be renewed upon its expiry with the mutual consent of both the organizations. If this MOU remains dormant for three consecutive years, it will be deemed to have been lapsed.

Either SLIET, Longowal, or M/s. Pharmafillates, Panchkula, may terminate the MOU by giving three months' notice, in writing, to the other party. The termination of this MOU shall not affect the implementation of the activities already established under it prior to such termination.

## **ARTICLE 5. AMENDMENTS**

This MOU may only be amended by mutual consent / agreement evidenced in writing by a duly authorised representative (s) from both the organizations.

## **ARTICLE 6. INTELLECTUAL PROPERTY**

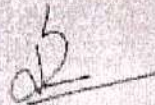
Any intellectual property arising out of the implementation of this MoU shall be secured and maintained by mutual consent according to the provisions of the IPR Rules of SLIET, Longowal, and those of M/s. Pharmafillates, Panchkula.

## **ARTICLE 7. SETTLEMENT OF DISPUTES**

Any dispute, conflict of interest or problems arising out from the application or interpretation of this MoU shall be resolved by mutual discussion and in good faith by the designated representatives of both the organizations as mentioned in Article-2.

## **ARTICLE 8. LEGAL STATUS**

Nothing in this MoU shall be construed as creating any legal relationship between the parties. This MoU is a statement of intent to foster genuine and mutually beneficial cooperation.





**ARTICLE 9. CONFIDENTIALITY.**

Student shall be obliged to keep secrets & information that has come to his / her notice during his / her training period and of which he / she should reasonable recognize the confidential nature.

If the student develops the methods / inventions during the internship that will be considered as direct result of cooperation with the company on which company is entitled for these methods / inventions.

After the internship has ended, the student has to complete an internship report & company is entitled to keep a copy of this and to use the findings internally in the company.

Signed this 06<sup>th</sup> day of December 2018.

On behalf of SLIET, Longowal (Sangrur)

On behalf of Pharmaffiliates, Panchkula  
(Haryana)

(Name)

(Name) Dr A. K. Sabharwal

(Director / Nominee)

Designation

Witness:

For SLIET, Longowal

1. Dr. Harish Chopra  
Prof. (Chem.)

(Name & Designation)

6.12.18

2. Dr. Damanjit  
Asst. Prof.

(Name & Designation)

Witness:

For Pharmaffiliates, Panchkula, Haryana

1. Jatin Sharma

By Manager - HR

(Name & Designation)

2. Anil Sharma

Asst Manager

(Name & Designation)