



INDIAN INSTITUTE OF TECHNOLOGY  
(INDIAN SCHOOL OF MINES), DHANBAD

INDIAN INSTITUTE OF ENGINEERING  
SCIENCE AND TECHNOLOGY



BETWEEN INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD AND  
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR, W.B.

This Memorandum of Understanding (MoU) is entered on 26<sup>th</sup> April day of July in the year 2018

between

Indian Institute of Technology (Indian School of Mines), Dhanbad

and

Indian Institute of Engineering Science and Technology

Indian Institute of Technology (Indian School of Mines), Dhanbad (established in the year 1926 as Indian School of Mines, Dhanbad, by His Excellency the then Viceroy of India, Lord Irwin and located at Dhanbad in the state of Jharkhand to facilitate mining engineering education in close relation with the mining industry, which has been granted autonomy by Govt. of India) hereinafter called 'IIT (ISM), Dhanbad', which expression unless otherwise provided, shall include its successors, executors, administrators and assigns through its Head, of the ONE PART.

The Indian Institute of Engineering Science and Technology, Shibpur owes its origin to the erstwhile Bengal Engineering College which was started as a College of Engineering and was started by the name of Civil Engineering College on 24<sup>th</sup> November, 1856. With the establishment of Calcutta University on January 24, 1857, the college was affiliated to this university in May 1857 and in 1921, the name of the college was changed to 'Bengal Engineering College'. During 1921-56, the various departments of the college were started functioning. In recognition of its yeoman's service to the nation for 162 years of its existence with its well organized infrastructure, the college was elevated to the status of a "Deemed University" in 1992 by the Ministry of Human Resource Development, Government of India. In 2004, B.E. College (Deemed University) was converted into a full-fledged university by an act in the West Bengal Assembly and renamed as Bengal Engineering and Science University, Shibpur. In March 2014, Bengal Engineering and Science University, Shibpur was taken over by the Government of India and converted into an Institute of National Importance through an act of parliament and renamed as Indian Institute of Engineering Science and Technology, Shibpur, hereinafter called 'IIST', which expression unless otherwise provided, shall include its successors, executors, administrators and assigns through its Head, of the OTHER PART

WHEREAS IIT (ISM), Dhanbad caters to the human resource needs of the Nation related to teaching and research in all fields of Science, Technology and Management, to include Mining, Petroleum, Mining Machinery, Mineral Engineering, Earth Sciences, Electrical Engineering, Electronics Engineering, Environmental Science & Engineering, Computer Science & Engineering, Mechanical Engineering, Chemical Engineering, Civil Engineering, Applied Chemistry, Applied Mathematics, Applied Physics, Management, and Humanities & Social Sciences, with 18 departments and more than 250 faculty members, and offers 21 undergraduate programmes and 32 post-graduate courses.

WHEREAS IIST caters to the skilled manpower needs of the country as well as advanced research related to engineering, science and management in the areas of Civil Engineering, Mechanical Engg., Electrical Engg., Metallurgical Engg., Electronics and Telecommunication Engg., Mining Engg., Computer Science and Engineering, Architecture, Urban and Regional Planning, Earth Sciences, Green energy, Health Care, Humanities, Business Administration etc.

AND WHEREAS THE PARTIES HERETO HAVE AGREED to collaborate as per the terms appearing hereinafter:

1. The IIT (ISM), Dhanbad and IIST in recognition of their common interests in developing bilateral relations are convinced that cooperation between faculties contributes to enrichment in the field of

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Indian Institute of Engineering Science and Technology



teaching, research, scientific progress, general issues relating to higher education between the two Institutes.

2. The collaborating Institutes enter into the agreement which is not legally binding, to record their wish to explore collaborations and to bring synergy in the fields of academics, research and industry-institute interaction. The academic co-operation between the two Institutes will strengthen the partnership between the two Institutions and facilitate a deeper understanding of their respective living, working conditions and culture.

3. Participation and Coordination

The partnership shall initially be between the following:

- For IIT (ISM), Dhanbad: Centre of Excellence in Renewable Energy (CERE)
- For IIST : Centre of Excellence for Green Energy and Sensor Systems (CEGESS)

Co-ordinators from the participating Institutes shall be nominated and may change from time to time as decided by the appropriate authority of the respective institutions.

4. Areas of Cooperation: The collaborating institutes agree in principle to cooperate on:

- 4.1 Research Student, Staff and Faculty exchange program: Each Institution will depute research students and staff termed as visitors for specific purposes and stipulated time. The parent organization of the visitors will provide regular salary for the deputed employee during approved period. Travelling cost of the visitors will be borne by respective parent organization and local hospitality will be provided by the host organization. There may be visits of faculties of both the centre for exchange of ideas and information. The host institution will only provide local hospitality.

- 4.2 Cooperative research projects: The two parties will define joint collaborative research projects between faculty and/or research groups. Collaborating faculty will approach various funding agencies to submit joint project proposals. Focus will be given to industry-funded projects and those funded by international agencies.

- 4.3 Sharing of Laboratory Facilities: Each Institute has created some specialized and unique facilities which may be shared at no cost basis by the researchers of the two institutes after receiving necessary approval.

5. As far as possible, the institutes agree to provide resources to support co-operation. The institutes will seek funding and support for joint projects from different funding agencies in India and Abroad.

6. Intellectual Property:

Each institution will adhere to the intellectual property policy of their respective Institutions. Intellectual property developed during the visit of an exchange student will be governed by the rules of the host institute unless otherwise specified by an alternate agreement. The two institutions shall jointly own results of clearly defined collaborative projects and Research Student exchange programs. This joint ownership entitles each party to commercialize and create derivatives independently. Whenever one institution receives any information from the partner under a clearly defined non-disclosure agreement, necessary steps will be taken to protect the intellectual property received. Any proceeds out of the transfer of jointly developed/owned IP will be shared equally.





7. This MoU comes into effect on the date of signature by both parties and may be amended by mutual consent.
8. The MOU will be valid for a period of five years and can be renewed further as per mutual understanding.
9. The MoU may be terminated with at least six months advanced notice with or without a statement of the reasons for termination in writing.
10. The MoU will not have any legal and financial binding on any of the institutes.
11. In Witness Whereof, the authorized representatives of the Parties have signed this MoU, on this 26<sup>th</sup> day of April 2018, in two originals in English language, one for each party.

For and on behalf of Indian Institute  
of Engineering Science and Technology

For and on behalf of IIT (ISM), Dhanbad

Name: Prof. Kalyan Kr. Bhar  
Designation: Dean, Research & Development  
Indian Institute of Engineering  
Science and Technology, Shibpur,  
Howrah- 711103, West Bengal

**Prof. Kalyan Kumar Bhar**  
**Dean, Research and Development**  
**Indian Institute of Engineering**  
**Science and Technology, Shibpur**  
**Howrah - 711 103, West Bengal, India**

Name: Prof. Vishnu Priye  
Designation **Dean** (Research & Development)  
Indian Institute of Technology  
(Indian School of Mines), Dhanbad - 826004  
Jharkhand.

**Dean (Research & Development)**  
**Indian Institute of Technology**  
**(Indian School of Mines)**  
**Dhanbad - 826004 (INDIA)**

Witness :

Signature .....

Name .....

Designation .....

  
**MAINAK SENGUPTA**  
**Prof. in EE,**  
**I.I.E.S.T., SHIBPUR**

Witness :

Signature .....

Name : Dr. Mukul Kr. Das

Designation: Assoc. Prof., Electronics Engg., & Head,  
Centre of Excellence in Renewable Energy, IIT(ISM), Dhanbad

  
**26/04/2018**