

**Memorandum of Understanding
for
Academic Cooperation between**

**INSTITUTE FOR MODELLING HYDRAULIC AND ENVIRONMENTAL
SYSTEMS,
UNIVERSITY OF STUTTGART, GERMANY
and
DEPARTMENT OF CIVIL ENGINEERING,
NATIONAL INSTITUTE OF TECHNOLOGY
MANIPUR, INDIA**



The Institute for Modelling Hydraulic and Environmental Systems, University of Stuttgart, Germany and the Department of Civil Engineering, National Institute of Technology (NIT), Manipur, India recognize their strength in research and education in the area of **Water Resources Management, Environmental systems, EcoHydraulics and EcoHydrology** and their mutual interest in engaging themselves in academic network. Therefore, both institutes agree to establish a network for academic co-operation in areas of mutual interest, and in accordance with the terms and conditions set forth in this memorandum of understanding (MoU).

SCOPE OF THE AGREEMENT

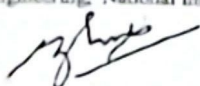
Within the framework of each institute's regulations, and subject to the availability of resources, the following programmes and activities will be encouraged by both institutes:

- 1) to exchange information on research and educational programmes,
- 2) to jointly organise seminars, conferences, or workshops on topics of mutual interest and to invite each other faculty to participate therein.
- 3) to jointly propose and engage in research or training programmes sponsored by funding agencies, and to invite each other faculty to participate therein.
- 4) to exchange, on a reciprocal basis, faculty, research/Ph.D and M.Tech students for the purpose of education and /or research.
- 5) to joint research activities, participation in seminars and special short term exchange programmes.

The Institute for Modelling Hydraulic and Environmental Systems, University of Stuttgart and the Department of Civil Engineering, NIT Manipur India agree that detailed terms and conditions that guide each activity identified above, if required, will be separately agreed upon by the two institutions by signing the implementing agreement for each activity. These terms shall include a description of the proposed activity and a financial agreement.

INTELLECTUAL PROPERTY RIGHT

The Institute for Modelling Hydraulic and Environmental Systems, University of Stuttgart and the Department of Civil Engineering, NIT Manipur, India agree to respect each other's right to intellectual property. Further, the Intellectual Property Right (IPR) that arises as a result of any collaborative research or activity under this MoU will be worked out on a case-to-case basis, and will be consistent with officially laid down IPR policies of the two institutions.



CO-OPERATION

Each institution shall appoint one member of each teaching or research faculty/institute to coordinate the academic co-operation on its behalf. The coordinator, thus appointed, will periodically review and identify ways to strengthen co-operation between the two institutions.

ORIENTATION AND SERVICE

In the spirit of exchange the host institute will facilitate as much as possible, the admission, academic progress, physical relocation and cultural orientation of research students from the home institute.

The host institute will provide research exchange students from the home university with:

1. Access to university facilities as full student members of the Host Institute, including library, sport and Student Union facilities.
2. An orientation or introduction of the host institute
3. Information on health insurance requirements and the extent of the medical cover.
4. Academic and other advisory services.
5. Assistance in finding suitable place for lodging and fooding (like Canteen/Mensa) within or outside university campus.
6. Documents necessary for obtaining a visa.

Research exchange students from the home institute will each have responsibility for:

1. Paying home institute tuition fees prior to participation in a student exchange or the program, if required.
2. Arranging and paying for transportation (e.g. air fare) to and from the host institute.
3. Arranging and paying for adequate medical insurance.
4. Purchasing textbooks.
5. Obtaining and paying for an appropriate visa.
6. Setting all other debts incurred by them or on their behalf during the period of the student exchange or of their participation in the program, as applicable.

TERMINATION AND MODIFICATION OF THE AGREEMENT

This MoU will take effect from the date it is signed by both institutions. It will remain valid for five years, and may be continued thereafter after suitable review and agreement. Either institution may terminate the MoU by giving written notice to the other institution six months in advance. Once terminated, neither the Institute for Modelling Hydraulic and



Environmental Systems, University of Stuttgart, Germany nor the Department of Civil Engineering, NIT Manipur India will be responsible for any losses, financial or otherwise, from which the other institution may suffer. However the Institute for Modelling Hydraulic and Environmental Systems, University of Stuttgart, Germany and the Department of Civil Engineering, NIT Manipur India will ensure that all activities in progress are allowed to be completed successfully.

Should there be a dispute related to any aspect of the academic and research cooperation The Directors of both Institutes will jointly resolve the dispute in a spirit of independence, mutual respect and shared responsibility.

Both institutes welcome the establishment of this MoU and agree to the provision as stated above.

This MoU is signed subject to approval of the respective academic/administrative bodies.

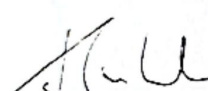
For

Institute for Modelling Hydraulic and Environmental System,
University of Stuttgart, Germany

(Prof. Dr.-Ing. Silke Wieprecht)
Director

Universität Stuttgart
Germany
Institution
Kopierstr. 7
D-70574 Stuttgart

Date:- 30. Juni 2016


Dr. Bettina Buhlmann

Registrar and Member of the Rector's Board

For

Department of Civil Engineering
National Institute of Technology
Manipur, India


(Prof. S. Birendra Singh)
Director

Director
National Institute of Technology
Manipur
Date:- 3.7.16

Dated: 6th July 2017

A Brief Report on the MoU Signed between Institute for Modelling Hydraulic and Environmental Systems, University of Stuttgart, Germany and Department of Civil Engineering, National Institute of Technology, Manipur, India on 6th July 2017.



Figure:1 (MoU Signed at IWS, University of Stuttgart on 6th July 2017)

The Department of Civil Engineering, National Institute of Technology Manipur, India has entered into a Memorandum of Understanding (MoU) with the Institute for Modelling Hydraulic and Environmental Systems (IWS), University of Stuttgart, Germany for establishing a network for academic and research cooperation in areas of Water Resource Management, Environmental Systems, EcoHydraulics and EcoHydrology and to tackle various Water Management related issues of the region.

NIT Manipur is one of the new NITs in India established by MHRD, Government of India in the year 2010 and declared as an institute of national importance in 2012. This institute is committed to become one of the best research led educational institute in India by providing an academically sound and research intensive environment towards nurturing the students, faculties and staff to be a lifelong learner, pioneers and initiative takers in their field of studies and research. To maintain its national importance and establish itself in international platform,

NIT Manipur seeks to establish a linkage between various reputed institutes and industries in the country and abroad. University of Stuttgart is a world class research university and it is located in one of Europe's leading-edge technology regions where it plays a major role as a driving force in innovation. Founded in 1829, the former Institute of Technology has developed into a research-intensive university with a predominantly engineering and natural science orientation. Institute for Modelling Hydraulic and Environmental Systems (IWS) is one of the institutes under Civil and Environmental Engineering Faculty, University of Stuttgart. Under IWS, there are three department-Department of Hydraulic Engineering and Water Resources Management, Department of Hydromechanics and Modeling of Hydrosystem, Department of Hydrology and Geohydrology and Research Facility for Subsurface Remediation – VEGAS.

The signing ceremony was done at IWS, University of Stuttgart on 6th July 2017 in the presence of the delegates and faculties of both institutes. For the signing of the MoU, National Institute of Technology Manipur was represented by its Director, Dr. S.Birendra Singh while IWS, University of Stuttgart was represented by Prof.Dr.ing. SilkeWieprecht. On 7th July 2017, presentation and discussion about the cooperation was held in which one of the major focuses was on the water resource related problem of the region. It was concluded by visiting the VEGAS, Hydraulic Laboratory and current research activities at IWS using various advanced hydraulic instruments was demonstrated by researchers of IWS.

Through this MoU, the two institutes agreed to exchange information on research and educational programmes; to jointly organize seminars, conferences, or workshops on topics of mutual interest and to invite each other faculty to participate therein.; to jointly propose and engage in water related research projects or training programmes sponsored by funding agencies; to exchange, on a reciprocal basis, faculty, Ph.D and Master students for the purpose of education and /or research and to take up joint research project activities, participation in seminars and special short term exchange programmes.

A scanned copy of the original signed MoU is attached herewith for reference purpose.