

MEMORANDUM OF UNDERSTANDING BETWEEN

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI (TRICHY), INDIA

&

**DEPARTMENT OF ENVIRONMENTAL ENGINEERING, KONKUK UNIVERSITY, SEOUL,
SOUTH KOREA**



**National Institute of Technology Tiruchirappalli (Trichy), located at Tiruchirappalli - 620015, INDIA,
represented by Dr. Srinivasan Sundarrajan, Director,**

and

**Department of Environmental Engineering, Konkuk University, Seoul, located at Seoul, South Korea,
represented by Dr. Han S. Kim, Department Chair**

Henceforth called Parties, recognizing the importance of fostering scientific and technological cooperation between India and South Korea and desiring to strengthen this cooperation on the basis of mutual benefit,

Have agreed as follows:

FIRST CLAUSE **ON THE OBJECT**

The **Parties** commit themselves to develop and strengthen their collaboration in the field of scientific and technological research, in accordance with their own programs and those jointly approved. Such collaboration will be carried out through the development of projects and activities, which will form an integral part of the programs for scientific and technological cooperation considered by this instrument, with emphasis on innovation and entrepreneurship, as defined by the Parties and in conformity with their internal rules.

SECOND CLAUSE **ON THE COOPERATION FORMS**

The Parties will promote such cooperation through the following potential mechanisms, in conformity with their international responsibilities and with the national legislation and other rules in force in their respective countries:

- a. Exchange of students and researchers aiming at the promotion of research, consultation and exchange of experiences, and capacity building and training within R&D joint research projects;

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- b. Promotion of interest in research activities in the field of science and technology of the respective institutions and cooperation in exchange for periodicals and publications
- c. Organization of scientific and technological seminars, workshops, symposia and other meetings of mutual interest, so as to promote the interaction between relevant institutions and research groups of both countries, with a view to identifying the prospects for cooperation;
- d. Promotion of interest in undergraduate, graduate student exchange and also exchange of academic information and materials and joint access to facilities and resources;
- e. Information exchange of joint R&D policies and strategies; joint supervision of M.S and PhD students
- f. Exchange of faculty members and joint organization of conferences and research programme
- g. Implementation of joint ventured Center of Excellence for Research in Advanced Membrane Technologies
- h. Other forms of scientific and technological cooperation agreed by the **Parties**.

THIRD CLAUSE ON THE FORMALIZATION OF THE PROGRAMS

In order to implement this Memorandum of Understanding, both **Parties** agree to establish joint programs of cooperation by means of meetings of delegations of both **Parties** or through the exchange of correspondence.

FIRST SUB-CLAUSE The necessary mechanisms for the planning and implementation of programs and projects carried out under this Memorandum of Understanding will be established by means of exchange of correspondence between the Parties, in conformity with their internal rules. These mechanisms will be effective after the proponent has received a clear acceptance from the other Party, as reflected in a jointly developed signed document.

SECOND SUB-CLAUSE Such programs should be supplemented or reviewed periodically and should state the preferred areas for the cooperation, as well as the actions to be developed and the necessary mechanisms for their planning and execution, including financing and other resources.

FOURTH CLAUSE ON THE INTELLECTUAL PROPERTY

The **Parties** agree that any intellectual property rights accrued in the process of implementing this Memorandum of Understanding will be subject to the regulations and laws applicable in each country as well as to international conventions on intellectual property rights to which both countries are parties and the clauses and conditions here established.

FIRST SUB-CLAUSE The intellectual property rights on any creation, which may result from the activities related to the cooperation foreseen under this Memorandum of Understanding, will be the property of the research institutions that carry out the work, specific terms shall be established in a separate contract for each cooperation activity to be signed by them with the awareness of the signatory **Parties** of this Memorandum of Understanding.

SECOND SUB-CLAUSE The participation in the results of the commercial exploitation of the intellectual property rights, including those transferred to third parties, will be defined in a contract to be signed by the owner institutions of these rights, and where appropriate with the signatory **Parties** of this Memorandum of Understanding.

FIFTH CLAUSE ON THE FINANCING OF PROGRAMS AND PROJECTS

Each Party shall take the necessary measures to obtain the financial means to ensure the execution of

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the approved programs and projects. These financial means will be part of the mechanisms mentioned in the First Sub-Clause of the Third Clause.

FIRST SUB-CLAUSE The **Parties** agree to elaborate a specific working program to regulate the exchange of students and researchers, in order to define the sharing of responsibilities, obligations and eventual costs derived from the implementation of this modality of cooperation.

SIXTH CLAUSE **ON THE CO-ORDINATORS**

Each institution shall designate a coordinator to oversee and facilitate the implementation of this Memorandum.

For Konkuk University

Dr.Diby Paul
Associate Professor
Environmental Engineering
Konkuk University
Seoul, SOUTH KOREA

For NIT Trichy

Dr.G.Arthanareeswaran
Associate Professor
Department of Chemical Engineering
National Institute of Technology Tiruchirapalli
Tiruchirapalli, Tamilnadu,
INDIA

The coordinators working with other appropriate administrators at the respective universities, shall have the following responsibilities:

- a. To promote research and education collaboration
- b. To act as principal contacts for individual and group activities and to plan and coordinate all activities within their institutions as well as with the partner institutions
- c. To distribute to each institution information about the faculty, facilities, research, publications, library materials and educational resources of the other institution; and
- d. To meet periodically to review and evaluate past activities and to work out new ideas for future cooperative agreements

SEVENTH CLAUSE **ON THE VALIDITY AND DENOUNCEMENT**

This Memorandum of Understanding shall become effective on the date of its signature and shall be valid for a period of three years and will be automatically renewed for equal periods unless one of the **Parties** informs the other in writing either physically or with a digitally signed e-mail of its decision to denounce it. The denunciation will be effective six months after the date of receipt of its notification.

SUB-CLAUSE The denouncement of this Memorandum of Understanding shall not affect the programs and projects undertaken in the scope of this instrument and not totally concluded at the moment of its expiration. In this case, the **Parties** will provide, in their budgets, funds for the full completion of the projects not totally concluded.

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EIGHTH CLAUSE
ON THE AMENDMENTS

This Memorandum of Understanding may be amended by mutual consent of the Parties by exchange of correspondence, as reflected in a jointly-developed signed amendment. The amendments agreed upon will be effective on the date agreed upon in the signed amendment.

NINTH CLAUSE
ON THE CONTROVERSIES

The Parties shall not be liable for failure to meet commitments in cases of force majeure and fortuity cases.

Any controversy, which may arise during the implementation of this Memorandum of Understanding, shall be solved by means of negotiation or exchange of correspondence between the **Parties**.

**FOR NATIONAL INSTITUTE OF
TECHNOLOGY, TIRUCHIRAPPALLI (TRICHY)**

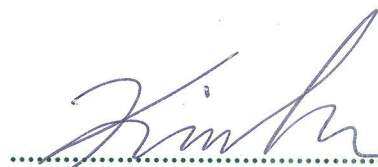
**FOR DEPARTMENT OF
ENVIRONMENTAL ENGINEERING,
KONKUK UNIVERSITY, SEOUL**



.....
Dr. Srinivasan Sundarrajan
Director

Dr.S.SUNDARRAJAN
Director

Date of Signature: National Insitute of Technology
Tiruchirappalli-620 015
24 Feb 2014 Tamil Nadu, India.



.....
Dr. Han S. Kim
Department Chair

Date of Signature:



APPENDIX B: ABOUT KONKUK UNIVERSITY, SEOUL

(One page, to be completed by partner institution)



Konkuk University, established in 1931, is one of the fastest growing universities in Asia. Konkuk ranks 14 out of a total of 256 universities in Korea. Konkuk, traditionally strong in Medicine, Life Science and Animal Sciences bring out world class results in research and academics. The Seoul Campus, located in the heart of Seoul, comprises 15 undergraduate colleges and 13 graduate schools, offering a diverse range of programs while the Glocal Campus, also part of the university, consists of six undergraduate colleges and two graduate schools. Over 30,000 students from both home and abroad study at the two campuses. Konkuk has over 630 full time professors.

Konkuk has sound agreements of exchanges with 400 universities in 60 countries in various programs. Around 2000 foreign students study at Konkuk. The SMART campus is equipped with cutting edge educational infrastructure and software. Konkuk has two Nobel laureates as visiting faculty that strengthens the research vision. KU is a research oriented university and a hub university for academic and industrial cooperation. The government and an increasing number of Korean and international companies carry out academic industrial cooperation and joint research in education with Konkuk, which has brought the university, very good research fund. Establishing a network of joint research with world class research centers has resulted in high impact publications and innovations.

More info:

Website: <http://www.konkuk.ac.kr>

Konkuk University Handbook (for foreign faculty and foreign students):
http://www.konkuk.ac.kr/eng/jsp/About/about_060100.jsp

APPENDIX C: ABOUT NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

(One page, to be completed by partner institution)



History and Location

The National Institute of Technology, Tiruchirappalli (NITT), also referred to as National Institute of Technology, Trichy, formerly Regional Engineering College, Tiruchirappalli, is a public engineering and technology university located 20 km near the city of Tiruchirappalli in Tamil Nadu, India. The institute was founded in 1964 to cater to the country's growing need for technological manpower. It is one of the 30 National Institutes of Technology in India and is declared as an Institute of National Importance by Government of India under NIT Act. About 3,500 students are enrolled in undergraduate and postgraduate programs at the institute. The institute is located on an 800-acre campus on the outskirts of Tiruchirappalli. The NITT has been conferred with autonomy in financial and administrative matters to achieve rapid development. NIT-T was registered under Societies Registration Act XXVII of 1975.

Vision and Mission

The vision of our institute is to provide valuable resources for industry and society through excellence in technical education and research. To achieve this we have been focused on the following goals:

- To offer state-of-the-art undergraduate, postgraduate and doctoral programmes.
- To generate new knowledge by engaging in cutting-edge research.
- To undertake collaborative projects with academia and industries.
- To develop human intellectual capability to its fullest potential

Research and Development at a Glance:

The Institution renders enough support the flourishing of research among the faculty and students to inculcate world-class perspective on every technology. In order to make the teaching and research to be industrially relevant and to meet their requirements, a number of research and development projects have been carried out by the institution. Nearly 200 research scholars are undergoing their Ph.D in various fields in all the departments. NIT-Trichy has signed MOUs with industries and Institutions within India and abroad to promote collaborative research and consultancies. MOU signed with Bharat Heavy Electrical Limited (BHEL), our neighbouring industrial campus provides an opportunity for our young researchers to use the infrastructure in BHEL. Another MOU has been signed with NIMS Japan for the collaborative research in the area of nanotechnology. MOUs with IBM and HP, leading software industries have been executed. HP has offered a Chair position to monitor the ongoing HP projects undertaken by our students. Apart from the ongoing projects, our faculty members have obtained major projects funded by central government funding agencies like DST, CSIR and AICTE for promotion of effective research

More info:

Website: <http://www.nitt.edu/home/>

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