

**Office of Dean (AA&IR)
IIT Kharagpur**

Dt: 03rd June, 2010

Enclosed please find herewith 2 copies of MOU (in original) for academic collaboration in education and research between IIT Kharagpur and IPGMR, S.S.K.M. Hospital, Kolkata, approved by MOU Sub-Committee in the meeting held on 28th April, 2010. The minutes of the meeting is hereby attached for kind perusal.

Director is requested to kindly put his signature and seal on the MOU to enable us to send the same to the Competent Authority of IPGMR, S.S.K.M. Hospital, Kolkata for their signature.

Submitted.

Encl: As stated


(Amit Patra)
Dean (AA&IR)

DIRECTOR

*At Chc 8
A. 6. 10*

Office of Dean (AA&IR)
IIT Kharagpur

Dt: 25th June, 2010

Enclosed please find a copy of the MOU between Indian Institute of Technology Kharagpur and IPGMR, S.S.K.M. Hospital, Kolkata, duly signed by the Competent Authority of IIT Kharagpur and Singapore Technologies Engineering Limited.

Registrar may kindly take necessary action in this regard.

Encl: As stated


(Amit Patra)
Dean (AA&IR)

REGISTRAR

Memorandum of Understanding (MOU)

for

Academic Collaboration in Education and Research

between

**The Indian Institute of Technology Kharagpur
(IIT - KGP), INDIA**

and

IPGMER, S. S. K. M. Hospital, Kolkata

Preamble

IIT-KGP and IPGMER, Kolkata have expressed interest to create a long-term institutional partnership in education and research. The primary objective is to promote contact and collaboration between faculty, staff and students, carry out joint research programmes and exchange experiences in education and research. This document presents a general framework for such a partnership. It also includes some specifically identified areas of cooperation, which shall be updated from time to time.

Participation and Coordination

The partnership shall initially be between the following :

- For IPGMER :
 - Department of Neonatology
 - The other department will be included as when as require on mutual understanding of the respective head of departments.

- For IIT-KGP :
 - School of Medical Science and Technology (SMST).
 - Department of Computer Science and Engineering (CSE).

Professor A. K. Singh will be the Coordinator from IPGMER and Professor P. K. Dutta, Head, SMST and Professor Jayanta Mukhopadhyay Head, CSE shall be the Coordinators from IIT-KGP. The Coordinators may change from time to time as decided by competent authority of the respective institutions.

Areas of Cooperation

The following have been identified as possible starting points of the partnership. The areas of cooperation can be further increased by the mutual consent. In many cases specific programmes will require other agreements to be separately detailed out and documented.

- (i) Exchange of information and experience : Representatives of both partners should arrange joint meeting at least once per year to exchange experiences in education and research and to prepare joint projects. Joint Seminars / Workshops may be held once in two years to present the results of this partnership.

- (ii) Faculty and student exchange programmes : The partners will examine the possibility of having one or two Adjunct Visiting Faculty positions at respective institutions for faculty exchange. A student Exchange Programme will be formulated both for short term (like summer / winter training or short certificate course) as well as for MS/ Ph. D / PDF program. A detailed document on this will be examined and prepared. This has to be ratified by the highest academic bodies of the two institutions before this programme starts.

- (iii) Cooperative research projects : The two partners 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.
- (iv) Coordinated graduate degree programme : A joint integrated MS / PhD programme with stress on research in areas of mutual interest will be explored and formulated. A detailed document on this will be prepared and ratified by the highest academic bodies of the two institutions before this programme starts.
- (v) Continuing and distance education : IIT-KGP and IPGMER will explore in formulating a joint distance education programme based on the expertise available in both institutions. They will also share and carry out joint research in technology for distance and computer-based learning.

Intellectual Property

Each institution will adhere to the intellectual laws of the country. 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. 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.

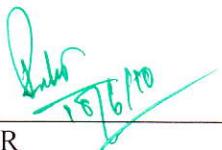
Financing

The two institutions will develop a funding pool from Research Overhead and other various sources to carry out this partnership. They will not only try to arrange some funding from their own resources, but also vigorously approach government, international funding agencies and industries.

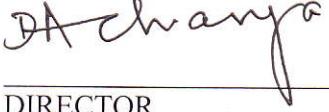
The institutions shall try to set up endowment funds for Visiting Faculty positions.

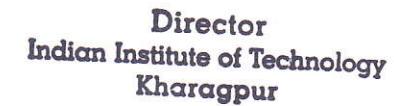
Validity

This agreement is valid for an initial period of five years and becomes effective from the date it is signed by the partners. The partnership period may be extended by mutual consent. In case one partner wishes to cancel the contract, intimation will have to be sent by June of that year. In that case the agreement will terminate at the end of year i.e. 31st December.


DIRECTOR
IPGMR, SSKM Hospital
Kolkata


Director
IIT Kharagpur


DIRECTOR
Indian Institute of Technology
Kharagpur, India


Director
Indian Institute of Technology
Kharagpur

Action Plan on Collaboration with the IPGMER, Kolkata

Presently we are collaborating with the Dept. of Neonatology, IPGMER in a sponsored project entitled as "*Development of Web-enabled e-Healthcare System for NeonatPatient Care Services (eNPCS)*" sponsored by MCIT, Govt. of India. The project started on September, 2009 and will continue till March, 2012. In this project we are working with the development of a patient care system for OPD and NICU (Neonatal Intensive Care Unit). The project involves also researches in analyzing new-born EEG signals aided by Video processing, analysis of baby-cry and developmental milestone of babies with the help of image analysis. One research scholar and two MS students are working in these areas and they are making regular visits to the IPGMER, Kolkata. Further, a doctor has been appointed by Webel, Kolkata , who are also a partner of this project. The doctor is working in the NICU of the Dept. of Neonatology, IPGMER and is closely interacting with us. He plans to do PhD under the joint supervision of faculty members from IPGMER, Kolkata and IIT, Kharagpur, if rules permitted. The MOU may streamline this process and increase such active collaboration in future. We are also planning to hold a joint workshop / seminar / conference in this year in related areas.

Action Plan on Collaboration with the IPGMER, Kolkata

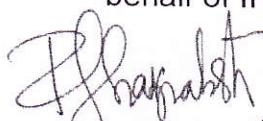
Presently we are collaborating with the Dept. of Neonatology, IPGMER in a sponsored project entitled as "*Development of Web-enabled e-Healthcare System for Neonatal Patient Care Services (eNPCS)*" sponsored by MCIT, Govt. of India. The project started on September, 2009 and will continue till March, 2012. In this project we are working with the development of a patient care system for OPD and NICU (Neonatal Intensive Care Unit). The project involves also researches in analyzing new-born EEG signals aided by Video processing, analysis of baby-cry and developmental milestone of babies with the help of image analysis. One research scholar and two MS students are working in these areas and they are making regular visits to the IPGMER, Kolkata. Further, a doctor has been appointed by Webel, Kolkata, who are also a partner of this project. The doctor is working in the NICU of the Dept. of Neonatology, IPGMER and is closely interacting with us. He plans to do PhD under the joint supervision of faculty members from IPGMER, Kolkata and IIT, Kharagpur, if rules permitted. The MOU may streamline this process and increase such active collaboration in future. We are also planning to hold a joint workshop / seminar / conference in this year in related areas.

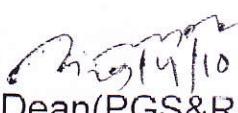
OFFICE OF THE DEPUTY DIRECTOR
I.I.T., KHARAGPUR

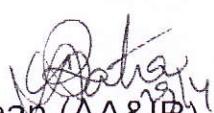
Dated: 29.04.2010

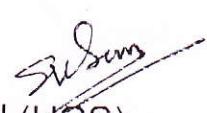
A meeting of the MOU Senate Sub-Committee was held on **28.04.2010 at 12:00 P.M.** in the room of the Deputy Director to discuss and consider the following MOU's. After detailed discussion the following decisions were made:

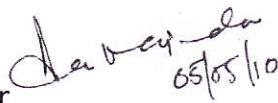
1. MOU for Academic Collaboration in Education and Research between IIT, Kharagpur and IPGMR, S.S.K.M. Hospital, Kolkata.
 - This has been approved for signature by the Director
2. MOU for collaboration in research and development between IIT, Kharagpur and iKURE TechSoft(P) Ltd., Bangalore.
 - This is to be considered under SRIC
3. MOU between IIT Kharagpur and University of Teeside, UK.
 - This MOU is to be revised and resubmitted for consideration.
4. Proposal for institutional cooperation between IIT Kharagpur and CST, RUB
 - Deferred in view of non-receipt of information from RUB.
5. MOU between IIT Kharagpur and College of Engineering, Dong-A (DAU) Busan, Korea.
 - This has been approved. The MOU is to be signed by Dean (AA&IR) on behalf of IIT Kharagpur.


Dean (SRIC)


Dean (PGS&R)


Dean (AA&IR)


DEAN (IUGS)


Dy. Director
& Chairman, MOU Committee
05/05/10