



Office of International Relations
Indian Institute of Technology Kharagpur
Kharagpur – 721 302



Ref: 1574/2022/OIR

Date: 09.09.2022

Sub: Request for approval for Renewal of the MoU with Warwick Manufacturing Group

IIT Kharagpur and Warwick Manufacturing Group wish to renew the MoU which was first signed in 2015 and expired in 2022.

To this end, the draft Understanding with some extensions had been placed at the MoU Committee Meeting on May 05, 2022. The Committee approved the draft and is now being placed for Director's kind approval. The MoU is proposed to be signed by the Director.

The approved draft and the minutes of the MoU committee meeting are enclosed for your kind consideration and final approval.

Associate Dean,
International Relations and Ranking

Dean,
Outreach and Alumni Affairs

Deputy Director

Director

Can we sign it in person
OK.

MEMORANDUM OF UNDERSTANDING

Between

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
(IITKG)

And

THE UNIVERSITY OF WARWICK
as represented by WMG, whose office is at Coventry CV4 7AL

Preamble

IITKGP and the University of Warwick as represented by WMG, have expressed an interest to continue the institutional partnership in education and research in place since 2008. The primary objective is to promote interaction and collaboration between faculty, staff and students of the two institutions through visits and exchange programmes, carry out joint academic and research programmes, joint supervision of doctoral and masters students, etc. on a reciprocal basis. The partnership also aims at enhancing the technology, social and cultural relations of both countries.

This document presents a general framework for such a relationship. It also includes some specifically identified areas of cooperation, which may be updated from time to time. More detailed formal Agreements will normally be required prior to the undertaking of these cooperation by the parties.

The parties agree to negotiate in good faith to reach formal Agreements embodying the principles set out in this MoU in a reasonable period of time, but prior to the commencement of related activities. Neither party is bound to enter into such Agreements.

The parties agree that this agreement is non-binding and have no legal effect apart from the disclosure of any confidential information which shall be governed by a separate and specific non-disclosure agreement between the parties related to the information.

Neither party, save for any breach of confidentiality will make any claim against or be liable to the other for any loss or damages including but not limited to any consequential damages or lost profits, arising from any discussions, actions taken in reliance on this document or for termination of the negotiations without reaching a comprehensive agreement. This paragraph shall survive termination or expiration of this MoU.

Neither party shall sub – contract, assign or transfer any of its right or obligations hereunder without the prior written consent of the other.

Each party will bear its own expenses and costs with regard to all discussions and activities between the parties except if mutually decided otherwise in separate and specific agreements between the parties.

Coordination

Dr. Sumit K Hazra, Senior Research Fellow, shall be the coordinator from WMG, University of Warwick and Professor Goutam Chakraborty, Associate Dean of International Relations and Ranking shall be the coordinator from IITKGP.

Scope of Cooperation

- (i) **Faculty exchange programme:** The two parties will explore opportunities for interaction among members of faculty as well as creating Visiting Faculty positions. The total duration of visits from each side is expected to be approximately equal. Each such visit shall require specific approval of the respective institutions.
- (ii) **Student exchange programme:** The two parties agree to participate in student exchange programme at the respective institutions. Visits under such programmes may be for a short duration, such as summer/winter terms or short courses, or for a longer duration not exceeding two semesters. For visits exceeding two semesters separate approvals will be needed. A detailed proposal document on Student Exchange (including credit transfer issues) has to be approved by the highest academic bodies of the two institutions before implementation.
- (iii) **Joint research projects:** The two parties will explore opportunities of undertaking joint research projects and may seek research funding from external funding agencies. Each such research proposal shall require approval of the respective institutions.
- (iv) **Coordinated graduate degree programme:** Joint PhD/Masters programmes may be explored and formulated, possibly in association with other reputed academic, research or industrial organisations. A detailed document related to such programmes needs to be approved by the competent authorities of both the institutions, before implementation.
- (v) **Joint academic activities and events:** IITKGP and WMG may formulate joint academic activities such as short course, seminars, workshops or conferences based on mutual interests and available expertise in both the institutions. Students and faculty members of each institutions may be supported by the partner institution to collaborate and participate in professionals' activities and events.
- (vi) The two parties will explore opportunities and dedicate efforts to come up with development of a commercial viable product leveraging the skills of both sides in advanced manufacturing.
- (vii) IITKGP will initiate a reciprocal student exchange programme to welcome students of WMG for short term research stays.

The areas of cooperation may be revised by mutual consent. However, specific programmes may require separate agreements detailed out and documented as annexures to this MoU.

Non-discrimination

Each party agrees not to discriminate against any person because of age, sex, national origin, race, ancestry, colour, religious creed disability or handicap, and sexual orientation. Neither party shall impose criteria for the exchange of faculty, staff and students that would violate the principles of non-discrimination.

Code of Conduct

Visiting student and faculty will abide by the codes of conduct of the host Institution.

Intellectual Property

Each institution will adhere to the intellectual laws of its nation. Intellectual property developed during the visit of an exchange student/researcher/faculty/staff will be governed by the rules of the host institute unless otherwise specified. The two institutions shall jointly own results of clearly defined collaborative projects and exchange programmes. This joint ownership also entitles each party to explore commercialization jointly. However, transfer of jointly developed technology and associated sharing of revenue shall be governed by a separate agreement.

Furthermore, if one institution receives any information from the partner under a clearly defined non-disclosure agreement, necessary and reasonable care will be taken to protect the intellectual property received.

Financing

The two institutions will consider allocating seed money to initiate this partnership. In addition they will also approach their own governments, international funding agencies and industries. Special attention will be given to obtain funded projects from industry as well as from alumni to support such collaborations.

Both institutes will consider tuition fee waivers to the exchange students. The host institute will make arrangements for local living including accommodation, food, local travel, insurance, etc. at reasonable costs to exchange students and faculty. Travel costs shall be borne by the home institution of the visitor. Various external funding sources may be explored to provide further support, either independently or jointly.

Legal Status

This document is a statement of intent to foster genuine and mutually beneficial cooperation and is not legally binding on either of the parties. Any disputes shall be resolved through mutual discussion.

Validity

This MoU is valid for a period of five years and becomes effective from the date it is signed by partners. The partnership period may be extended further by mutual consent. In case one partner wishes to cancel this MoU, intimation will have to be sent at least six months in advance. However, specific commitments made prior to such intimation shall be honoured by both the partners.

Rosie Drinkwater,
Warwick's Finance Director,
WMG, University of Warwick
Coventry, UK.

Prof. Virendra Kumar Tewari,
Director,
Indian Institute of Technology Kharagpur,
Kharagpur, India.

Date:

Date:

Office of Dean, International Relations

Indian Institute of Technology Kharagpur

Date: 31st May, 2022

Subject: Minutes of the MoU Committee Meeting Dated 05th May, 2022.

The MoU Committee comprising the undersigned members met on 05th May, 2022 in the Deans' Conference Room. The minutes and resolutions of the meeting are as under.

Prof. Amit Patra	Chairman, MoU Committee
Prof. Jayanta Mukhopadhyay	Dean, OR
Prof. V.R. Desai	Dean, FoEA
Prof. G.P. Raja Sekhar	Dean, FoS
Prof. Saswat Chakraborty	Dean, FoBTBS
Prof. Suman Chakraborty	Dean, SRIC
Prof. Debashish Chakravarty	Associate Dean, AA & Branding
Prof. Goutam Chakraborty	Associate Dean, IR & Ranking (Secretary & Convener)

Signed Reporting Items:

Sl	Partner	Partnership	Coordinator	D/S/C
1.	African-Asian Rural Development Organisation	MoU	Prof. Rintu Banerjee	AgFE
2.	Centre for Adivasi Research and Development, Odisha	MoU	Prof. Rintu Banerjee	AgFE
3.	Research For Resurgence Foundation, Nagpur	MoU	Prof. Rintu Banerjee/ Prof. Joy Sen	AgFE/ ARP
4.	University of Torino (UNiTO), Italy	MoU	Prof. Manish A. Mamtani	GG
5.	Garden Reach Shipbuilders & Engineers Ltd.	MoU	Prof. S K Pal	CoE- AMT



6.	IITKGP Foundation USA Scholarship Programme for International Internship	MoU	Prof. Goutam Chakraborty, Asso. Dean	IR&R
7.	National Tsing Hua University, Taiwan	MoU & SEA	Prof. Dipanwita Roy Chowdhury	CSE

Action Items:

1. New MoU with *ParisTech, France*: Prof. Goutam Chakraborty, Asso. Dean, IR & Ranking

Resolution: The earlier MoU that was signed between ParisTech and IIT Consortium on 6th December 2010, was expired in 2015. A new MoU between ParisTech and IIT Kharagpur was placed. The draft MoU was approved by the committee and may be placed for signatures. The Associate Dean, IR & Ranking was requested to attach a report on the activities that happened during 2010 to 2015 with the MoU Cover Form that would be placed for Director's approval.

2. New Agreement with *Aston University, UK (Going Global Partnership)*: Prof. Pradip Kumar Ray, VGSOM

Resolution: The draft agreement has been approved in principle. The final agreement may be placed for Director's approval after getting clearance from the legal cell.

3. Amendment of MoU with *Warwick Manufacturing Group, UK*: Prof. Goutam Chakraborty, Asso. Dean, IR & Ranking

Resolution: The earlier MoU that was signed on 04th March 2015, was expired in 2020. It is now proposed to renew the MoU with some extensions. The document was approved by the committee and now may be placed for signatures. Associate Dean, International Relations and Ranking was requested to know the name and designation of the signatory authorities from WMG.

4. New MoU with *Ulm University, Germany*: Prof. Koutav Ray, CHE

Resolution: The MoU has been approved by the committee and may be placed for signatures. However, the committee has suggested a slight modification in the MoU Cover Form, under the section of expected activities in the next three years: "One International publication by the end of 2022 that would be jointly authored by both the institutions". Prof. Koutav Ray has been requested to send the modified MoU Cover Form.

5. New MoU with *Oil and Natural Gas Corporation, India*: Prof. Subrata Chattopadhyay, ARP

Resolution: The earlier MoU that was signed between ONGC and Pan-IIT Forum on 19th January, 2015, was expired in 2020. A new MoU between ONGC and IIT Kharagpur focusing mainly on the collaborating activities in building planning and designing, was placed before the committee. The draft MoU has been approved by the committee for signatures. It was suggested that the Dean of Research and Development Prof. Suman Chakraborty would be the signatory.

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6. New MoU with *India Japan Laboratory, Keio University, Japan* and *RIKA Institute, India*: Prof. Abraham George. ARP

Resolution: The committee made the following observation:

- (a) Sufficient details about the collaborating organisations (Know Your Collaborator- KYC) are lacking in the draft MoU.
- (b) The deliverables for one year that would be engendered under the MoU are to be mentioned in the MoU Cover Form.
- (c) Provisions for carrying out big projects should be kept under the scope of the MoU.
- (d) The responsibilities of IIT Khargapur, RIKA Institute and India Japan Laboratory should be clearly spelt out.
- (e) The representatives from each institution/organisation should be clearly mentioned in the draft MoU.

Prof. Abraham George was requested to modify the draft MoU in the light of the above observations and present to the Committee for further review.

Discussion Items:

1. **University Technology Mara, Malaysia**

University Technology Mara (UiTM) Malaysia expressed interest in signing an MoU for institutional collaborations in education and research for promoting interaction and collaboration between the two institutions on a reciprocal basis.

Resolution: The committee recommended to explore the possibility of UiTM's faculty members visiting IIT Kharagpur for a minimum period of 3 months or for a semester.

2. **Edith Cowan University, Australia**

Edith Cowan University (ECU) Australia expressed their interest in working with IIT Kharagpur specifically they are looking at offering student at least one year of research abroad with concurrent enrolment at both institutions and exploration of opportunities for a collaborative PhD/Masters programmes and participating in Scheme for Promotion of Academic and Research Collaborations (SPARC).

Resolution: The committee recommended to explore the possibility of faculty mobility where the faculty members of Edith Cowan University would be invited to visit IIT Kharagpur for a minimum period of 3 months or for a semester. It was also suggested that the HoD of the Departments/Centres/Schools such as Electrical Engineering, Electronics and Electrical Communication Engineering, Advanced Manufacturing Centre, Mechanical Engineering, Water Resources, Civil Engineering, Mining Engineering, etc. should be contacted for their opinion on the possibility of research collaboration.



3. **Saint Petersburg Electrotechnical University "LETI"**

ETU "LETI" is interested in collaboration with our Institute in the fields of mutual interests. ETU "LETI" is the first Electrotechnical Institute established in Europe in 1886, the university is well known in the fields of Radio Engineering and Telecommunications, Electronics, Electrical Engineering, Computer Science and Biomedical Engineering. ETU offers about 100 major educational programs and over 46 Ph.D. courses.

Resolution: The committee has requested Associate Dean, International Relations and Ranking Prof. Goutam Chakraborty to contact the HoD of Department of Electrical Engineering & Department of Electronics and Electrical Communication Engineering to see the possibility of the research collaborations and faculty mobility (inflow) for a minimum period of 3 months or for a semester.

4. **National Tsing Hua University, Taiwan- Joint Doctoral Programme**

The partner institute has expressed their interest to enter into a Joint Doctoral Program.

Resolution: The committee has recommended that IIT Kharagpur may proceed for Joint Doctoral Programme with NTHU. The Associate Dean of International Relations and Ranking has been requested to contact Prof. Tarun Bhattacharya and Prof. Kaushal Bhagwat from the Advanced Technology Development Centre for requesting them to be the coordinator.

5. **Visit of Sri Lankan Navy Officers to IIT Kharagpur for M. Tech Degree Programme**

The Sri Lankan Navy Officer had revealed their interest for taking admission in M. Tech Degree Programme. In this regard, the Director had already given in principle approval. Due to lacking of a format regarding student mobility (in-flow) agreement, a new and fresh draft needs to be prepared. It has been placed to the committee for their advice.

Resolution: The committee has recommended to follow the AARDO template, which is an agreement for MS (By Research) programme for preparing a similar agreement for M. Tech Degree Programme.

6. **NVIDIA**

IIT Kharagpur and NVIDIA Corporation (located in Santa Clara, California) wished to sign an MoU for setting up an Accelerated Computing Lab in the Centre for Computational and Data Sciences. The final draft MoU was placed to the Director for his approval. The Director expressed his concern over signing an MoU with a Foreign based organisation. Meanwhile, it was made known that a similar MoU was signed by IIT Hyderabad with NVIDIA Bangalore Office i.e. NVIDIA Graphics Pvt. Ltd.- Bengaluru, Karnataka, India. It has been communicated to the Committee for their suggestions.


Resolution: The committee has suggested to sign an MoU with the Indian Subsidiary Company of NVIDIA i.e. NVIDIA Graphics Pvt. Ltd. situated in Bengaluru, Karnataka, India. In this regard, Prof. Somnath Roy needs to communicate with NVIDIA, for their concurrence.





Goutam Chakraborty
Associate Dean,
INTERNATIONAL RELATION &
RANKING (SECRETARY &
CONVENOR)

ABSENT
Debashish Chakravarty
Associate Dean, ALUMNI
AFFAIRS AND BRANDING



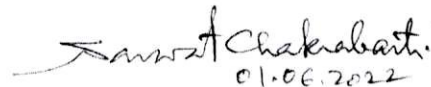
G P Raja Sekhar
Dean, FACULTY OF SCIENCES

ABSENT

Suman Chakraborty
Dean, RESEARCH &
DEVELOPMENT



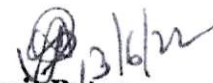
V R Desai
Dean, FACULTY OF
ENGINEERING AND
ARCHITECTURE


01.06.2022

Saswat Chakrabarti
Dean, FACULTY OF
BIOTECHNOLOGY &
BIOSCIENCES

ABSENT

Jayanta Mukhopadhyay
Dean, OUTREACH & ALUMNI
AFFAIRS



Amit Patra
DEPUTY DIRECTOR
Chairman, MoU COMMITTEE