

**Memorandum of Understanding
for Academic Cooperation**

Between

The Indian Institute of Science Education and Research, Pune

and

The University College London-Keele University Consortium, UK

The Indian Institute of Science Education and Research, Pune (here afterwards IISER-P) and The University College London–Keele University Consortium (UCL-Keele) (the Parties) wish to initiate collaboration in different disciplines through International programmes supported by the two Governments through the Ministry of Human Resources Development (MHRD) Govt. of India and UK British Council, India.

IISER-P and UCL-Keele recognize their strengths in research and education in the disciplines of science, education and social sciences, and their mutual interest in engaging themselves in academic cooperation.

Therefore, IISER-P and UCL-Keele agree to establish a programme for academic cooperation in areas of mutual interest, and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

A. Objectives

The goal of this cooperation is to foster collaboration, provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity, best efforts, mutual benefit, and frequent interactions. IISER-P and UCL-Keele agree to explore the possibility of engaging in the following modes of collaboration:

- a. Provision of consultancy on the campus development of IISER-P;
- b. Exchange of information on research, teaching, learning materials and other literature relevant to their educational and research programmes;
- c. Joint organization of seminars, conferences, workshops and short-term continuing education programs on topics of mutual interest, while extending invitations to each other's faculty to participate therein;

- d Joint proposal and engagement in research or training programs sponsored by funding agencies, while extending invitations to each other's faculty to participate therein;
- e Exchange on a reciprocal basis, of students at undergraduate, graduate and doctoral levels for limited periods of time for purposes of education and/or research.
- f All activities arising from this MoU is supported by the Ministry of Human Resource Development of India (MHRD), the Foreign and Commonwealth Office (FCO), the British Council (BC) and the UK India Education & Research Initiative (UKIERI).

IISER-P and UCL-Keele agree that the following technical descriptions will guide each proposed activity identified and agreed upon by the two institutions.

The terms of any financial arrangements will be subject to separate agreement(s) made on a case-by-case basis; such further agreements will include the names of those persons responsible for managing the implementation etc of collaborative activity.

B. Joint Sponsored Research, Development and Consulting

- i. IISER-P and UCL-Keele agree to investigate ways of identifying and inviting faculty members from the other institution to participate in ongoing research or development programmes of mutual interest. It is anticipated that the terms and conditions for such participation would be worked out by mutual agreement between the faculty member(s) and the Institution extending such an invitation.
- ii. Further, IISER-P and UCL-Keele agree to jointly identify and pursue opportunities for formulation and submission of new research project proposals or training programmes for possible funding by external agencies if needed. The terms and conditions for such joint research would be worked out between the concerned investigators and the funding agency.
- iii. It is foreseen that when a faculty member visits a partner institution on invitation or as part of such joint research project, such a visit will be subject to the regulations of the individual partner Institution.

C. Exchange of Faculty, Scientists and Staff

IISER-P and UCL-Keele agree to explore ways of encouraging collaboration between faculty and scientists from the two Institutions. Specifically, the two Institutions would encourage members of their faculty to undertake short visits or take up fixed-term assignments as visiting Professor. The terms and conditions for each visit or an assignment, including those concerning stipend, travel, and housing, would be worked out between the partner Institutions.

D. Student Exchange

IISER-P and UCL-Keele agree to discuss the means for enabling the exchange of students at Undergraduate, Graduate and Doctoral level between the two Institutions. Each exchange student would be selected by mutual agreement and in accordance to the regulations of the partner Institutions.

Further, IISER-P and UCL-Keele will explore ways to provide for and facilitate joint guidance of theses under their PhD. and other post-graduate degree programmes.

E. Exchange of Scientific and Technical Material

IISER-P and UCL-Keele will examine ways of exchanging information on research and educational programmes and teaching/learning material and other literature relevant to their educational and research programmes. Further, both agree to explore ways to share teaching/learning material (including electronic/ webcasts of lectures etc) and other relevant literature, subject to each institutions policy on intellectual property and publications.

F. Joint Conferences, workshops and short-term courses

IISER-P and UCL-Keele agree to seek means of identifying and inviting faculty members from the other Institution to participate in conferences, workshops and short courses. The terms and conditions for such participation would be worked out by mutual agreement between the invited faculty member(s) and the Institution extending such an invitation.

When a faculty member visits the other Institution on invitation or as part of such joint activity, then such a visit would be classified as such, and handled as per rules of individual Institution or as per the terms of this MoU.

G. Intellectual Property

IISER-P and UCL-Keele agree to respect each other's rights to intellectual property. All Background IP used in connection with this MoU shall remain the property of the Party that introduces it. No license is granted to any Party to use another Party's Background IP unless specifically agreed to in writing. Further, the intellectual property rights that arise as a result of any collaborative research or joint activity under this MoU would be subject to separate written agreement/s on the ownership and management of such intellectual property and each Party agrees to respect the ownership of IP of the other Parties in all dealings, consistent with officially laid down IPR policies of the partner Institutions.

No Party to this Memorandum shall use the name, logo or any other designation of any of the other Parties without prior written consent.

H. Co-ordination

The following arrangement is suggested for the co-ordination of collaboration: Each of the Institution (IISER-P and UCL-Keele) shall appoint one member of its teaching/ research faculty to coordinate the programme on its behalf. A coordination committee, consisting of (a) Director, IISER-P or his/her nominee, (b) Consortium Director, UCL-Keele or his/her nominee, (c) Programme coordinator from IISER-P and (d) Programme Coordinator from UCL-Keele will periodically review and identify ways to strengthen cooperation between the two Institutions.

I. Tenure and Termination

This MoU will take effect from the date it is signed by representatives of the two institutions. It will remain valid for a period of five years. This MoU will be reviewed after three years; the terms of this MoU may be amended by mutual written agreement prior to the date of review. Any extension to this MoU will be formally agreed in writing by the Parties.

Either Institution may terminate the MoU by giving written notice to the other Institution six months in advance. Once terminated, neither IISER-P nor UCL-Keele will be responsible for any losses, financial or otherwise, which the other Institutions may suffer. However, IISER-P and UCL-Keele will ensure that all activities in progress are allowed to complete successfully.

J. Activities for the First year of Co-operation

1. Research interactions and advising on the campus development of IISER-P
2. Keele University would provide to IISER-P consultancy on development of green campus, while the Energy Institute of UCL would provide advice on energy economy/audit on the campus
3. Combined delegation of experts from UCL-Keele to visit IISER-P in Feb-March 2010.
4. Keele University to explore with IISER-P the running of collaborative UG projects in the areas of astrophysics and applied mathematics.
5. UCL to initiate collaboration with IISER-P in the areas of neurosciences, non-linear dynamics and nanosciences.

All the above activities to be subject to separate agreement on finance, research management and student admission and exchange.

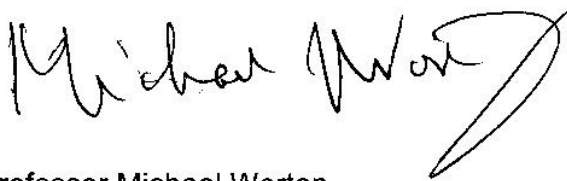
K. Arbitration Clause

Should there be a dispute relating to any aspect of academic cooperation, Director, IISER-P and Consortium Director, UCL-Keele will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

Signatures:

For UCL (University College London)

For Keele University



Professor Michael Worton

Vice-Provost (Academic and International)

Dean of Natural Sciences

For the IISER- PUNE



DIRECTOR

Date: 13/1/2010

Date: