

**MEMORANDUM OF UNDERSTANDING
BETWEEN
HOMI BHABHA NATIONAL INSTITUTE
AND
INDIAN INSTITUTE OF TECHNOLOGY MADRAS**

1. Preamble

The Indian Institute of Technology Madras (hereafter referred to as IITM) is a premier educational institution in science, engineering and technology and the Homi Bhabha National Institute (hereafter referred to as HBNI) is a Deemed to be University established under the aegis of the Department of Atomic Energy, Government of India. For the purpose of academic activities and programmes, the following units of DAE are the Constituent Institutions (CIs)/Off Campus Centre (OCC) of HBNI:

- a. Bhabha Atomic Research Centre (BARC), Mumbai
- b. Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam
- c. Raja Ramanna Centre for Advanced Technology (RRCAT), Indore
- d. Variable Energy Cyclotron Centre (VECC), Kolkata
- e. Saha Institute of Nuclear Physics (SINP), Kolkata
- f. Institute of Plasma Research (IPR), Gandhinagar
- g. Institute of Physics (IoP), Bhubaneswar
- h. Harish-Chandra Research Institute (HRI), Allahabad
- i. Tata Memorial Centre (TMC), Mumbai
- j. Institute of Mathematical Science (IMSc), Chennai
- k. National Institute of Science Education and Research (NISER), Bhubaneswar

The institutions at S.No. (a) to (j) are the CIs and (k) is the OCC.

RECOGNISING the long standing collaboration and co-operation between IITM and some of the CIs of HBNI through academic programmes such as collaborative research supported by extra-mural funding through the Board of Research in Nuclear Sciences (BRNS), a body under DAE, or directly through allocation under five year plans projects or other relevant MoUs pursuant of the M.Tech courses, provided they fulfill the eligibility criteria set by IITM under the DAE Graduate Fellowship Scheme (DGFS). The candidates thereby are assigned for employment in some of the CIs of HBNI for study in an IIT, including IITM, and carry out the projects under the joint supervision of the faculty from the IITs and the scientists from the CIs/OCC of HBNI. In addition the lectures by IITM faculty at DAE establishments and by CI/OCC scientists/faculty at IITM are made available for the academic programmes; and

RECOGNISING that certain collaborative programmes are ongoing because of individual initiative such as pursuit of research leading to Ph.D. by employees CI & OCC under the external registration programme of IITM and co-supervision of Ph.D. students at IITM by the scientists/faculty of CIs/OCC and the faculty of IITM, and



RECOGNISING that, in view of the establishment of HBNI, while continuing the existing programmes as of present, there is scope of further expansion of the existing collaboration and cooperation, IITM and HBNI, collectively referred to as "Partner Institutes"

BOTH HEREBY agree to create a long-term institutional partnership in education and research, according to the broad framework set forth in this Memorandum of Understanding (MoU).

2. Objective

To enhance collaborative research in the areas of mutual interest, both in the extent and scope, by using the medium of research students enrolled in the partner Institutes.

3. Modalities of cooperation

3.1 A student registered under a supervisor for M.Tech/MS/Ph.D. in one Partner Institute (hereafter referred to as Parent Institute) can have a co-supervisor from the other partner Institute. To that end, the Supervisor from the Parent Institute of the student will identify and seek concurrence of a faculty member from the Partner Institute to take up the responsibility of being a co-supervisor. The arrangement will come into effect after the supervisor and the co-supervisor obtain approval for the same from their respective institute.

3.2 The Ph.D. students in one Partner Institute may carry a part of the course work in the other Partner Institute with credit transfer. In particular,

1) The courses to be credited to the student for attending a course in the Partner Institute will be determined by the Parent Institute of the student.

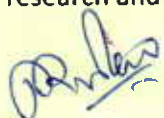
2) To facilitate the process of a student attending a course in the Partner Institute, the supervisor of the student in the Parent Institute will put up the proposal (in consultation with appropriate academic bodies of the Department) to the Dean Academic Research (IITM)/Dean (HBNI) — as the case may be.

3.3 The Parent Institute shall be responsible for paying to the Partner Institute the prescribed tuition fee, if any, for participation of its students in the course work conducted at the Partner Institute.

3.4 The ongoing exchange of faculty for lectures and research for short periods shall be further strengthened.

3.5 IITM will continue interactions with the Cis of HBNI towards identifying and pursuing research programmes that could lead to award of degree from HBNI.

3.6 The issues related with the Intellectual Property Right (IPR) with regard to the outcome of the collaborative research and the outcome of thesis/projects work carried out under the joint



supervision of the faculty from the Partner Institutes shall be governed through mutual agreement and within the framework of IPR policies of both the institutes.

4. Implementation

4.1 This MoU becomes effective from the date it is signed by the Partner Institutes and will be valid for a period of five years. The agreement shall be extended by mutual written consent. In case one Partner Institute wishes to annul the MoU, written intent to that effect will have to be communicated by June of that particular year. The MoU in that event will cease to be operative from the end of the year i.e. from December 31 of the year. However, the commitments already made under this MoU before its lapse or termination will be fulfilled.

4.2 For implementation of this MoU, the following will be the contact persons

• From HBNI

(i) Dean, HBNI

(ii) Dean Academic of the CI/OCC

From IITM — Dean (Academic Research)

Signed on 02..... day of November 2018

For and on behalf of

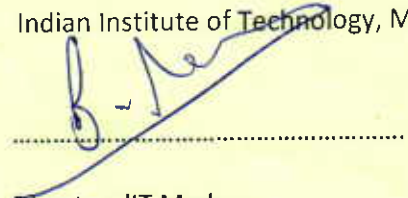
Homi Bhabha National Institute



Vice Chancellor, HBNI

For and on behalf of

Indian Institute of Technology, Madras



Director, IIT Madras

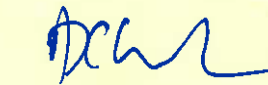
निदेशक / Director
भारतीय प्रौद्योगिकी संस्थान मद्रास
Indian Institute of Technology Madras

Witnessed by



Dean, HBNI

Witnessed by



Prof. A. K. Mishra

Dean (Academic Research), IIT Madras