

**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**HOMI BHABHA NATIONAL INSTITUTE**

**AND**

**JAWAHARLAL NEHRU UNIVERSITY**

This MEMORANDUM OF UNDERSTANDING is made BY AND BETWEEN HOMI BHABHA NATIONAL INSTITUTE, a deemed to be University under the aegis of the Department of Atomic Energy, Government of India, having registered Office at Training School Complex, Anushaktinagar, Mumbai-400094, hereinafter referred to as the 'HBNI' (which expression unless excluded by or repugnant to the subject shall mean and include its successor-in-office and assigns) of the ONE PART

**AND**

JAWAHARLAL NEHRU UNIVERSITY, a Central University established by an Act of Parliament called the Jawaharlal Nehru University Act, 1966 (53 of 1966) having its Main campus at New Mehrauli Road, New Delhi -110 067, herein after referred to as 'JNU' (which expression shall where the context so admit include its successors and permitted assigns) of the OTHER PART.

For the purpose of academic programmes, the following units of DAE are Constituent Institutions (CIs) and Off Campus Centre (OCC) of HBNI:

**Constituent Institutions: -**

1. Bhabha Atomic Research Centre (BARC), Mumbai;
2. Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam;
3. Raja Ramanna Centre for Advanced Technology (RRCAT), Indore;
4. Variable Energy Cyclotron Centre (VECC), Kolkata;
5. Saha Institute of Nuclear Physics (SINP), Kolkata;
6. Institute for Plasma Research (IPR), Gandhinagar;
7. Institute of Physics (IOP), Bhubaneswar;
8. Harish Chandra Research Institute (HRI), Allahabad;
9. Tata Memorial Centre (TMC), Mumbai;
10. The Institute of Mathematical Sciences (IMSc), Chennai;

**Off Campus Centre:-**

11. National Institute of Science Education and Research (NISER), Bhubaneswar.

RECOGNISING the long-standing collaboration and cooperation between JNU and some of the CIs of HBNI and 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, the JNU and HBNI, collectively referred to as "Partner

*P. A. Jeyaraj*

*M. S. Kumar*

Institutes”.

HEREBY agree to create a long-term institutional partnership in education and research, including the possibility of enhanced funding for collaborative research in areas of mutual interest supported by extramural funding through the Board of Research in Nuclear Sciences (BRNS), a body under DAE, according to the broad framework set forth in this Memorandum of Understanding (MoU).

### **1. Objective**

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

### **2. Modalities of Cooperation**

2.1 A student registered under a supervisor for M. Sc./Ph.D. in one Partner Institute (hereinafter referred to as Parent Institute) should 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.

2.2 The students in one Partner Institute may carry a part of the course work in the other Partner Institute with credit transfer if applicable and in vogue. In particular,

a) the credits to be awarded to the student for attending a course in the Partner Institute will be determined by the Parent Institute of the student in consultation with the partner institute.

b) to facilitate the process of a student attending a course in the Partner Institute, the supervisor of the student will put up a proposal (in consultation with appropriate academic bodies of the Department) to the University Authorities(JNU)/Dean(HBNI) – as the case may be. This will be as per Ph.D. Regulations in vogue in the Partner Institutes.

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

2.4 The exchange of faculty for lectures and research for short periods shall be strengthened.

2.5 A mechanism shall be formulated to identify research areas of mutual interest and for possible funding for the same from BRNS.

2.6 The issues related to Intellectual Property Rights (IPR) with regard to the outcomes of the collaborative research and the outcomes of the project/thesis work carried under the joint supervision of the faculty from the Partner Institutes shall be governed by the IPR regulations of the Government of India.

2.7 In case of dispute arising out of this MoU to the parties, they will be settled through a grievances handling mechanism by way of mutual discussions and the civil court of Delhi shall have exclusive jurisdiction to try the matter/dispute.

P. J. S. M. S.  
M. J. S. M. S.

### 3. Implementation

3.1 This MoU becomes effective from the later of the dates on which it is signed by the Partner Institutes and will be valid for an initial period of five years. This MoU may be extended for subsequent five year terms by mutual consent. In case one Partner Institute wishes to cancel the MoU, written intent to that effect will have to be communicated by the month of June of that 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 in question. However, the commitments already made under this MoU before its lapse or termination will be fulfilled.

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

From HBNI - (1) Dean, HBNI  
(2) Dean Academic of the CI/OCC

From Jawaharlal Nehru University - (1) Dean, SPS, JNU

Signed on Third day of March, 2017

For and on behalf of  
Homi Bhabha National Institute

For and on behalf of  
Jawaharlal Nehru University

(Signature) : P. D. Gupta

(Signature) M. Jagadeesh Kumar

(Name) प्रोफेसर पी. डी. गुप्ता / Prof. P.D. Gupta

(Name) M. JAGADESH KUMAR

कुलपति / Vice Chancellor  
Homi Bhabha National Institute  
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Homi Bhabha National Institute, Mumbai-400 094.  
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प्रो. एम. जगदीश कुमार  
PROF. M. JAGADESH KUMAR  
कुलपति / Vice-Chancellor  
Jawaharlal Nehru University  
Jawaharlal Nehru University  
नई दिल्ली / New Delhi-110066

Witnessed by:

From ONE part

1. BK Dutta (Signature)

2. T.S.K. Dutta, Dean (Name, Designation)

From OTHER part

1. R. D. Shah (Signature)

2. RIDDHI SHAH, DEAN (Name, Designation)  
SPS