



পশ্চিমবঙ্গ পশ্চিম বঙ্গাল WEST BENGAL

AB 233011

MEMORANDUM OF UNDERSTANDING
between
THE UNIVERSITY OF CALCUTTA, KOLKATA
and
BOSE INSTITUTE, KOLKATA

This Memorandum of Understanding thereafter referred to as "MOU" is made and entered into by and between **Bose Institute**, Kolkata hereafter termed as "BI" represented by the Registrar and the University of Calcutta hereinafter termed as "CU" represented by the Registrar.

BI, in partnership with CU, has in the past successfully conducted an integrated M.Sc. – Ph.D. course in the area of Plant Molecular Biology & Biotechnology. Encouraged by the success of this course and on the recommendation of the Scientific Advisory committee of BI as well as the Council of BI, the scope of the partnership between CU and BI was further enhanced to include all areas of academic activities pursued at BI.

20/09/2018
REGISTRAR
UNIVERSITY OF CALCUTTA



Noreen Bhattacharya
Mrs. Noreen Bhattacharya
Acting Registrar
Bose Institute
P-1/12, C.I.T. Scheme, VII-M
Kolkata-700 054

In order to implement the enhanced partnership, a MOU was signed between CU and BI on July 11, 2011. Based on the above MOU as executed on July 11, 2011, BI in partnership with CU initiated two separate integrated M.Sc. – Ph.D. courses, one in the general discipline of Life Sciences and one in Physical Sciences both of which have become popular and are continuing successfully giving credence to the partnership of two premier academic Institutions of India.

The tenure of the agreement was decided to be Ten (10) years from the date of signing of the MOU with the stipulation that the tenure may be extended which is being extended by this MOU with retrospective effect from July 11, 2016 with a clarification that the 2-line of point # 1 at 2-nd page of the MOU as last executed on July 11, 2011 stands expunged.

However, the MOU notes that the terms and conditions need to be widened and or changed as per requirements of BI and CU.

NOW THIS MEMORANDUM OF UNDERSTANDING DO WITNESSETH AS FOLLOWS

- As an integral part of this MOU, BI and CU continue to be partners in offering two separate integrated M.Sc. – Ph.D. courses, one in the general discipline of Life Sciences and one in Physical Sciences. All the biological science departments of CU (Biophysics, Biochemistry, Botany, Genetics & Plant Breeding, Microbiology, Physiology, Plant physiology, Zoology) would act jointly as the nodal unit of CU for the course in Life Sciences, where as for Physical Sciences, the Department of Physics would be the nodal unit.
- As agreed upon, the curricula would continue to be decided jointly by CU and BI. Efforts would be made to make these new courses complementary to the courses offered at CU.
- The course in Life Sciences shall have four areas of specialisation:
 - i) Plant Molecular Biology & Biotechnology,
 - ii) Molecular & Cellular Biology,
 - iii) Biophysical Chemistry, and
 - iv) Computational & Systems Biology.
- The course in Physical Sciences shall offer the following specialisations:
 - i) High Energy Physics, Astrophysics & Cosmology,
 - ii) Space Science, Fluid Mechanics & Solar Physics and
 - iii) Condensed Matter Physics & Complex Systems.
- The degree certificates would be given under the joint signatures of the Vice Chancellor of CU and the Director of BI. The certificates as well as the mark-sheets shall sport the seals of both CU and BI.

[Handwritten Signature]
28/09/2018
REGISTRAR
UNIVERSITY OF CALCUTTA



[Handwritten Signature] 28/9/18
Mrs. Noreen Bhattacharjee
Acting Registrar
Bose Institute
P-1/12, C.I.T. Scheme, VII-M
Kolkata-700 054

- Each course shall be monitored by a competent Board of Studies, chaired by the Director, BI and shall have at least four expert nominees each from CU and BI.
- CU and BI, agree to share all their resources, including manpower and infrastructure, toward the goal of achieving excellence. Successful students who would have qualified to continue for doctoral research may work at either of the two institutions, subject to approval of the Board of Studies.
- Seminars, symposia, workshops, lectures etc may be arranged jointly.

Any article of the MOU may be changed or modified by joint written agreement among the signatories. The modifications / changes shall become effective from the date of signature, unless otherwise agreed to.

The clauses of this MOU will over-ride all the clauses of the earlier MOU as executed between the parties and extended.

The tenure of the MOU shall be Ten (10) years from the date of execution of this MOU. This excludes the extension of the previous MOU with retrospective effect, which is concomitantly being extended from July 11, 2016, till the date of execution of this MOU. The tenure may be extended, if desired by both the organisations. The tenure may also be terminated by either of the organisations on a six months prior notice in writing.

Any differences or disputes that may arise regarding the terms and conditions of this MOU shall be settled amicably by the signatories.

In witness whereof, the undersigned duly authorised thereto, have signed this MOU on this 26th day of September, 2018.

Handwritten signature
26/09/2018
REGISTRAR
UNIVERSITY OF CALCUTTA

THE UNIVERSITY OF CALCUTTA
KOLKATA

Handwritten signature 26/9/18
Registrar

BOSE INSTITUTE
KOLKATA

Witnesses:

1. *Debabrata Manna*
26/09/18
Deputy Registrar (Acting)
University of Calcutta



Mrs. Noreen Bhattacharjee
Acting Registrar
Bose Institute
P-1/12, C.I.T. Scheme, VII-M
Kolkata-700 054

2. *Tanya Das*. 26/09/2018



Tanya Das, Ph.D
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