



पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL

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**Memorandum of Understanding for Academic Cooperation
BETWEEN
Jadavpur University, Kolkata
AND
GLA University, Mathura**

The First Extension of Memorandum of Understanding is made on this 28th day of August, 2019.

Jadavpur University, Kolkata (herein called afterwards J.U.) and GLA University, Mathura (GLAU) wish to initiate collaboration in Cancer Research and Sensors for disease – detection with the help of available resources in both the universities.

J.U. and GLAU recognize their strengths in research and education in the disciplines of science and their mutual interest in engaging themselves in academic cooperation.

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28.8.19

Registrar
JADAVPUR UNIVERSITY

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Ashok Kumar Singh
Registrar
GLA University, Mathura (U.P.)



25 JUN 2019

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Therefore, J.U. and GLAU agree to establish a programme for research cooperation in the 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 Cancer Research and disease – detection Technology on the basis of reciprocity, best efforts, mutual benefit, and frequent interactions. J.U. and GLAU agree to explore the possibility of engaging in the following modes of collaboration:

- a. Provision to develop new anticancer medicine and new detection Technology for disease;
- b. Exchange of information on research, other literature relevant to 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 (doctoral levels) for limited periods of time for purposes of education and/or research.
- f. The financial supports for two students will be committed by GLAU and scientific support will be provided by mostly by J.U. : The salaries will be provided as follows:
 - i. The J.R.F. will be provided for development of sensors for disease detection (mostly tuberculosis) and will be supported with fellowship of the amount Rs. 15,000 per month with small fund for consumable of the amount 20,000/Annum.
 - ii. Senior Research fellowship of the amount Rs. 20,000/- per month will be provided to for working in J.U. (Mostly) and the developed drug will be tested in GLAU initially in animals for its efficiency as anti-cancer agent and also as preventive medicine. He will also be provided with consumable of the amount Rs. 50,000/Annum.

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- iii. All the scientific information will be shared by regular meeting between the two universities at the interval of 6 months.
- iv. For sensor development, the laboratory of Prof. Rajib Bandyopadhyay of instrumentation and Electronic Engineering of J.U. will be responsible.
For the development of anti-cancer drug and cancer preventive molecule will be entrusted to Prof. Parimal Karmakar of Biotechnology Development of J.U. The Molecules/medicine after development, will be tested in GLAU about its efficacy

B. Exchange of Faculty. Scientists and Staff

J.U. and GLAU agree to explore the 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 visitors or take up fixed-term assignments as visiting Professor. The terms and conditions for each visit or an assignment, including those concerning, travel expenses, and housing, would be worked out between the partner institutions.

C. Student Exchange

J.U. and GLAU agree to discuss the means for enabling the exchange of students at 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. J.U. and GLAU will explore ways to provide for and facilitate joint guidance of the thesis for PhD. programmes.

D. Exchange of Scientific and Technical Material

J.U. and GLAU will examine ways of exchanging information on research materials and other literatures relevant to research programmes.



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E. Joint Conferences, workshops and short-term courses

J.U. and GLAU agree to seek means of identifying and inviting faculty members from the other Institution to participate in conferences, workshops and short courses by mutual discussion.

F. Intellectual Property

J.U. and GLAU 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 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.

G. 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 three 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 J.U. nor GLAU will be responsible for any losses, financial or otherwise, which the other Institutions may suffer. However, J.U. and GLAU will ensure that all activities in progress are allowed to complete successfully.

H. Arbitration Clause

Should there be a dispute relating to any aspect of academic cooperation, Vice Chancellor of J.U. and Vice Chancellor of GLAU will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

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I. Financial Support for Travel

1. Collaborators from GLAU when will visit J.U., their local hospitality (fooding& lodging) will be borne by J.U.
2. Collaborators from J.U. when will visit GLAU, their TA and local hospitality will be borne by GLAU (For Scholars, AC-III in train and for faculty members at the level of Professor, Cheap Air Fare will be provided)

Signatures:

Sukamajin Bawa
28-8-19 *Singh*

For J.U. (Jadavpur University, Kolkata)

For GLAU (GLA University, Mathura)

Registrar (Jadavpur University, Kolkata)

Registrar
JADAVPUR UNIVERSITY

Date:

Registrar (GLA University, Mathura)

ASHOK KUMAR SINGH
Registrar
**GLA UNIVERSITY,
MATHURA (U.P.)**

Date:

