

National Sugar Institute, Kanpur, India

Date of signing the MoU: 23/12/2017

Objectives of MoU

- **The Integral University, Lucknow will provide registration facility to the National Sugar Institute -sponsored candidates for pursuing the Ph.D. degree programme.**
- **Beside regular degree programme, the Integral University will also provide short-term course training to students and staff members of National Sugar Institute, Lucknow in their respective area of specialization.**
- **The National Sugar Institute will provide research and training support in the front line areas as per the mandate of the council.**



उत्तर प्रदेश UTTAR PRADESH

CW 543561

Memorandum of Understanding



Between

NATIONAL SUGAR INSTITUTE KANPUR

&

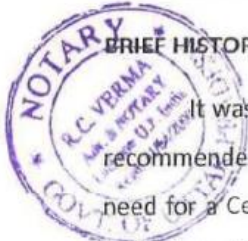
INTEGRAL UNIVERSITY, LUCKNOW

For

Facilitating Collaborative Ph.D. Research work

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In accordance with the mutual consent to promote cooperation between the National Sugar Institute Kanpur (here in after called NSI) and the Integral University , Lucknow (here in after called the University); both the University and the NSI, enter in to a formal statement of collaboration in the form of Memorandum of Understanding (MoU) for the purpose of academic interaction.



BRIEF HISTORY OF NATIONAL SUGAR INSTITUTE, KANPUR

It was the Indian Sugar Committee appointed by Government of India in 1920 that first recommended the establishment of an all India Institute for research in Sugar Technology. The need for a Central Sugar Research Institute was also emphasized by the Royal Commission on Agriculture in 1928 and the Tariff-Board in 1930. The Government of India accordingly established the Imperial Institute of Sugar Technology at Kanpur in October, 1936 by taking over the Sugar Section of Harcourt Butler Technological Institute (H.B.T.I.), Kanpur. The Imperial Institute of Sugar Technology was placed under the administrative control of the Imperial Council of Agricultural Research but continued to be housed in the building of H.B.T.I. With the formation of Indian Central Sugarcane Committee in 1944, the administrative control of the Imperial Institute of Sugar Technology was transferred to that Committee.

Consequent on India's attaining independence; the name of the Institute was changed to Indian Institute of Sugar Technology (I.I.S.T.). With the formation of the Development Council for Sugar Industry under the provisions of the Industries (Development and Regulation) Act 1951, the functions of the Indian Central Sugarcane Committee were abridged and with effect from 1st January, 1954, the administrative control of the Institute was transferred to the Government of India, under the then Ministry of Food & Agriculture. In April, 1957, the name of the Institute was again changed to National Sugar Institute (N.S.I.). The Institute shifted from H.B.T.I., to its present premises in 1963.

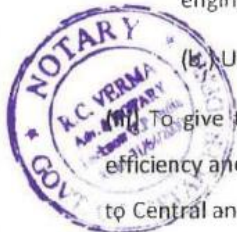
Main functions of the Institute are as follows:-

- (i) To provide technical education and training in all branches of sugar chemistry, sugar technology, sugar engineering and allied fields.

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(ii) To undertake research on:-

(a.) Problems pertaining to sugar technology, sugar & sugarcane chemistry and sugar engineering in general and those of sugar factories in particular.



(b.) Utilization of by-products of sugar industry.

To give technical advice and assistance to sugar factories with a view to improving their efficiency and to assist and guide them in their day-to-day problems. Assistance is also provided to Central and state Governments in matters relating to sugar and allied industries.

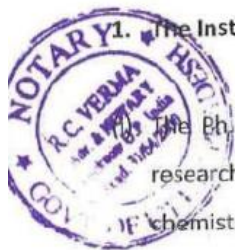
All these functions are carried out in an integrated manner, each one helping and influencing the other. The advisory and extension services bring the problems of the industry for research at the Institute. The research requires keeping abreast with modern developments and recent advances in science and technology. The close and continuing liaison between the Institute and the industry and the day-to-day knowledge gained through research gives a practical base to the teaching and keeps it up-to-date. These three functions- teaching, research and advisory make the Institute a unique one in the world.

BRIEF HISTORY OF INTEGRAL UNIVERSITY. LUCKNOW

Integral University is the first enacted Minority University in the country and it had started functioning from 1st April, 2004. The President of Islamic Council for Productive Education, Dr. Saeedur Rahman Azmi and its general secretary Prof. Syed Waseem Akhtar took over as founder Chancellor and Vice Chancellor of the University respectively. The University was accorded recognition by UGC under 17 section 2(f) of the UGC Act, 1956. At present the University has 9 faculties namely faculties of Science, Architecture, Engineering, Computer Application, Education, Management Studies, Pharmacy, Library Sciences and Medical Sciences and 24 departments. It offers 27 undergraduate, 26 postgraduate programmes and 6 diploma courses. The University has also taken up research activities on priority basis in almost all the faculties. At present,

355 research scholars are enrolled in the University under Ph.D. programme and 83 Ph.D.s have already been awarded during the last six years.

FOLLOWING ARE THE TERMS OF AGREEMENT



1. The Institute (National Sugar Institute, Kanpur) will facilitate the following.

- (i) The Ph.D. students registering with the University will be allowed to carry out their research project pertaining to applied chemistry, sugar technology, agriculture chemistry, sugar chemistry, by-product utilization, etc as per the requirements and approved plan of work.
- (ii) The number of such students will be based on research agenda and availability of Institute scientists time to Co-guide/Co-Supervise the students. The course requirements for Ph.D. programme will be completed at Integral University, Lucknow
- (iii) The approved faculty of NSI Kanpur will provide the research co-guidance/co-supervision at NSI Kanpur.
- (iv) The faculty of NSI Kanpur will facilitate Ph.D. research work at the Institute and may also provide field and laboratory facilities on request basis and payment of nominal fees prescribed for such facilities.
- (v) Periodic training (summer or winter) as required for fulfillment of Ph.D. course work or under different programmes of the University will be provided at nominal charges by the Institute from time to time.

2. The University (Integral University, Lucknow) will facilitate the following

- (i) The University shall recognize the National Sugar Institute Kanpur and specific disciplines/divisions /departments as Centre for conducting research work for the award of Doctoral degrees.

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(ii) The scientists/ officers of the NSI Kanpur on their individual merit and in accordance with the University rules and regulations shall be recognized as Co-Supervisor/Co-guide/s for guiding research/ extension work.

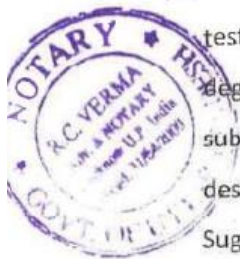
(iii) The Junior Research Fellows of the Institute shall be allowed to register (on admission test basis / as per University rules) for Doctoral programme for the award of Doctoral degree by the University, with one Principal Scientist/HOD of the NSI Kanpur in the subject/ field as the Co-Supervisor/Co-guide. However, the staff of the NSI having desired educational qualifications including qualifications of Associateship/Fellowship in Sugar Technology & Engineering recognized by Ministry of HRD and working on the post of Assistant Professor or higher shall be allowed to register themselves for Doctoral Programme.

(iv) University may invite Institute's faculty/ Experts to deliver special lectures as per requirement of the University in various courses. However, TA and DA may be shared by University/ Institute. Suitable honorarium may also be given to concerned scientist as per University rules.

3. Both National Sugar Institute & the University

(i) The Institute faculty recognized by the University and the research scholars who would work at NSI Kanpur for Ph.D./thesis research shall be governed by relevant rules and regulations of the Institute and Integral University, Lucknow respectively.

(ii) The Ph.D. research project to be undertaken by the student shall be decided through mutual consultation between the student, university & institute administration and shall be within the mandates of National Sugar Institute Kanpur and priorities set by the National Sugar Institute.



(iii) Periodical meetings of the students with guidelines will be held either at the premises of NSI Kanpur or the University.

(iv) A copy of thesis shall be deposited at National Sugar Institute Kanpur after award of the degree.



It is agreed that all outcomes of the National Sugar Institute Kanpur and the University joint research activities, including all intellectual property rights (IPR) shall be jointly owned by both the parties. As such, they shall remain publicly accessible and shall be available to the partners of NSI Kanpur and the University and to end users.

(vi) Result/ Benefits/ IPRs from collaborative research such as improved technology, material, machinery, process, designs and techniques, accruing or arising from this effort may be used by either or both the parties with due recognition of each party's contribution as per mutual agreement on case to case basis.

(vii) Research findings will be published jointly after mutual consultation. Any publication(s) resulting from the post graduate research work must be processed jointly by the Faculty/ Guide/supervisor at NSI Kanpur and the University and explicitly recognize that work has been done at NSI Kanpur. The norms already existing for publishing student's research at Integral University, Lucknow and that at National Sugar Institute Kanpur shall be followed. Research findings published by either party will give due credit to others party's contribution, but the publishing party shall be entirely responsible for conclusions and interpretations reported.

The Dean of the concerned faculty at the University and the Director, National Sugar Institute Kanpur will be jointly responsible for working out the operational details of the agreement between the two organizations and ensure proper and effective implementation of the MoU. During the study period at both the Institutes, the Dean of Concerned College in the University/ Director, NSI Kanpur will be the Controlling

authority and candidate shall be bound to get permission to leave the place of work from the controlling authority.

- (viii) The University and the Institute (National Sugar Institute Kanpur) may invite each other faculty members on special occasions to develop strong linkages.



4. Effective Time Period

This agreement will be in-effect from the date of signing this MoU by both the parties. Either party may terminate the agreement by written notification signed by the appropriate official of the institution initiating the notice. Such notice must be received by the other party six months prior to the effective termination date. However, obligations and commitments already contracted shall be honored and continued by both the parties until such commitments are over. These commitments under agreement may be amended/ modified/ deleted after mutual agreement by means of exchange of letters between the National Sugar Institute Kanpur and the University. Once approved by both the parties, such amendment shall also become a part of this Memorandum of Understanding (MoU).

In witness thereof, the parties hereto caused this agreement to be executed as of the day, month and year indicated below:

know and identify the deponent
who has signed put his TI before me

For the

Integral University, Lucknow

(Prof. Jamal Mohd. Arif)
Vice Chancellor

Date.....

Dr. (Er.) Mohd. Hossain Siddiqui
Director
Integral Institute of Agricultural
Science & Technology (IIAST)
Integral University, Lucknow.

Sworn and Verified
Before me
R.C. VERMA
Adv. & NOTARY
Lucknow U.P India
F. Regd 31/04/2000

For the

National Sugar Institute
Kanpur

(Narendra Mohan)
Director

Date

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