

**MEMORADUM OF UNDERSTANDING (MoU)**  
**BETWEEN**  
**GURU NANAK DEV UNIVERSITY (GNDU)**  
**AND**  
**INSTITUTE OF NUCLEAR MEDICINE AND ALLIED SCIENCES (INMAS)**  
***FOR ENHANCED ACADEMIC INTERACTION AND R&D COLLABORATION***

This memorandum of understanding entered into on the 03 day of JULY 2015 between the Guru Nanak Dev University, Amritsar (hereinafter referred to as GNDU, Amritsar) and Defence Research and Development Organization (hereinafter referred to as DRDO) with the desire to promote academic and research interaction and cooperation between the two organizations.

**2. Guru Nanak Dev University (GNDU):**

The Guru Nanak Dev University (GNDU) is one of the fastest emerging centres of learning in the country. It is the youngest university in the country to have achieved the "University with Potential for Excellence" (11<sup>th</sup> rank) and CPEPA titles bestowed upon it by the UGC. The university has also been awarded DST-PURSE scheme (Department of Science & Technology – Promotion of University Research and Scientific Excellence) and under this, a grant of Rs. 9.00 Crore has been sanctioned for various sophisticated instruments. The University was established on November 24, 1969 to mark the 500<sup>th</sup> birth anniversary of Shri Guru Nanak Dev Ji. It is both residential and affiliating University. The University has 36 teaching departments on the main campus, four regional campuses, 149 affiliating colleges and nine constituent colleges. The University has established state-of-the art Central Instrumentation Facility on the campus for advanced research which has been recognized as Best Practice by the NAAC recently.

### **3. Defence Research and Development Organization (DRDO)**

3.1 Defence Research and Development Organization (DRDO) works under the Department of Defence Research and Development of Ministry of Defence. DRDO is working towards enhancing self-reliance in Defence systems and undertakes design and development leading to production of world class weapon system in accordance with expressed needs and requirements of the three service. DRDO has the mission to design, develop and produce state-of-art sensors, weapon system, platforms and allied equipment for our defence services. DRDO is committed to provide technological solutions to the services to optimize combat effectiveness and to promote well-being of the troops. DRDO is also involved with developing infrastructure and has committed quality manpower to build strong indigenous technology base in India.

3.2 Today, DRDO is a network of more than 50 laboratories which are deeply engaged in developing defence technologies covering disciplines like aeronautics, armaments, electronics, combat vehicles, instrumentation engineering systems, missiles, advanced computing, simulation, special materials, naval systems, life sciences, psychology, human resources development, information systems and agriculture. Presently, the organization is backed by over 7000 scientists and around 23000 other scientific, technical and supporting personnel.

3.3 To fulfill the mandate of DRDO, the organization is committed to closely working with academic institutions, Research and Development (R & D) Centres and production agencies of Science and Technology (S &T) Ministries/Departments to gainfully harness the talent present in the universities and in the industry. The two organizations would seek to undertake cooperation based on the following guidelines.



#### **4. General**

4.1 Institute of Nuclear Medicine and Allied Sciences (INMAS) will participate in the academic programmes of the departments of Guru Nanak Dev University (GNDU) upon mutual request and convenience.

4.2 GNDU will recognize INMAS as an accredited centre for pursuing research leading to Ph.D degree in the subjects given under para 4.1. For the purpose, students eligible for Ph.D. under the Ordinances of the university would be allowed to register for Ph.D in the respective faculties.

4.3 INMAS scientists and faculty members of the concerned departments of GNDU will work towards joint research projects, thereby mutually using research facilities at INMAS and GNDU.

4.4 GNDU shall bestow upon the Director, INMAS, the status and powers of the Head of the Department (HOD) of the university for academic and research purposes.

4.5 GNDU will recognize and accredit INMAS scientists for guiding research leading to Ph.D. degrees. If need be Board of Control/Research Degree Committee shall recommend a supervisor from the GNDU.

4.6 In case of any academic lapses, GNDU will bring the matter to the notice of the Director, INMAS for initiating necessary action.

4.7 GNDU will also confer the status of Adjunct Professor, Adjunct Associate Professor and Adjunct Assistant Professor on INMAS scientists involved in common programmes depending upon their qualification and designations.

4.8 The faculty and students of the concerned departments of GNDU shall be enrolled as ad-hoc members of the library of the INMAS. While using INMAS library facilities they shall be governed by the rules and regulations as operative

in INMAS. Scientists and Ph.D. students of INMAS shall likewise be given ad-hoc membership of the GNDU library.

4.9 The faculty and students of the concerned departments of GNDU shall be issued temporary identity cards, by INMAS as per INMAS rules, so as to provide them an unhindered access to labs and other facilities of the Institute.

5. INMAS shall help in arranging Hostel/Guest House/Hotel accommodation for GNDU students coming to INMAS for summer trainings.

## **6. Academic Programmes**

6.1 For the mutual benefit of the two Institutions i.e. INMAS and GNDU, there will be exchange of INMAS scientists and faculty members of the concerned departments of GNDU.

6.2 While registering INMAS scientists for Ph.D. degree, the ordinances related to Ph.D. of GNDU will be valid including the appointment of supervisors and co-supervisors.

6.3 INMAS and GNDU will work closely to generate appropriately trained manpower in the relevant areas through organization of formal academic curricula, symposia, short-term training courses etc.

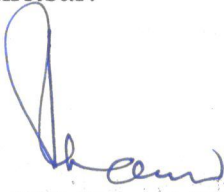
6.4 During RDC meetings, external guides of candidates working in INMAS shall be invited.


It is agreed that the progress of this MoU shall be monitored by the Review Committee comprising of Vice- Chancellor, GNDU and Director, INMAS through periodic meetings.

This MoU is valid initially for a period of 5 (five) years starting... 3 July 2015... subject to further extension on mutually agreed terms and conditions. Any mid terms change/alteration in the terms and conditions of MoU as suggested by the Review Committee shall also be deemed to be valid for both the institutions.

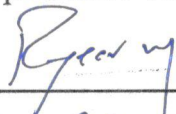
The MoU may be terminated if any of the parties wants to withdraw from it. However, the Ph.D students admitted under the MoU shall be governed by the same terms and conditions as prevailing at the time of signing of this MoU till the completion of their degree under the ordinances of GNDU.

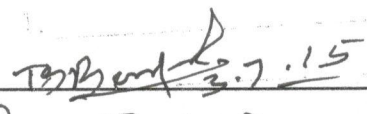
Signed this days of 03<sup>rd</sup> July 2015 at Guru Nanak Dev University, Amritsar.

  
Dr. R.P. Tripathi  
Outstanding Scientist & Director  
INMAS, DRDO  
Delhi-110054

  
Prof. A.S. Brar  
Chancellor  
Vice-Chancellor  
Guru Nanak Dev University  
Amritsar-143005

In the presence of:

1.   
Dr. RAJESH VJ

1.   
Prof. T.S. BANIPAL