

# MEMORANDUM OF UNDERSTANDING

BETWEEN

CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION,  
CHANDIGARH – 160 030

AND

23

NATIONAL INSTITUTE OF TECHNOLOGY, DELHI  
DELHI-110077

The Memorandum of Understanding (MoU) is hereby entered into on the Twenty Second day of January, 2013

BY and BETWEEN

National Institute of Technology, Delhi (hereinafter referred to as "NITD") represented by the Director, having its office at National Institute of Technology Delhi, Sector-9, Dwarka, New Delhi-110077

AND

Central Scientific Instruments Organisation, Chandigarh (hereinafter referred to as "CSIR-CSIO"), a constituent laboratory of Council of Scientific & Industrial Research (CSIR) represented by the Director having its office at Sector-30, Chandigarh-160 030

To

Promote Academic and Research Co-operation between the two institutes.

1. Objectives

- CSIR-CSIO and NITD will undertake joint research work in the areas of mutual interest.
- The concerned scientists of CSIR-CSIO and corresponding faculty members of NITD will formulate Research projects and HRD plans for joint work with due approval of both the participating institutions.
- Impart training to staff, students and technical personnel within the areas of co-operation.
- Joint Sponsored and Consultancy Projects could be undertaken, with both long term and short-term goals, keeping in view the interests and philosophies of the respective institutions.

2. Exchange / Deputation of Staff

Both CSIR-CSIO and NITD jointly agree:

- To exchange staff through deputation on full-time/part-time basis for a limited period and up to one year at a time for the purpose of implementation of joint tasks within the areas of co-operation.
- Staff Members on such deputation shall be deemed to be on duty with the parent organisation for the said period.
- That the faculty/staff and research fellows registered for Ph.D. degree may visit other institution for a short period in connection with their research work. They shall be deemed to be on duty with the parent organisation for the said period.

- That the technical personnel deputed for training shall be deemed to be on duty with the parent organisation for the period of training. The TA/DA will be borne by the parent organisation/institute as per its rules.
- That the faculty/staff will be encouraged to deliver lectures/invited talks at the other institution. The TA/DA and the honorarium for the lectures shall be borne by the host institution as per its rules.

### 3. Joint Conferences / Workshops / Courses

Both CSIR-CSIO and NITD agree:

- To hold/conduct, whenever feasible, joint workshops, conferences, training courses within the areas of co-operation.
- That the host institution shall provide accommodation (subject to availability) to the participating members from the visiting institutes wherever feasible at special minimum rates applicable to research and academic institution.

### 4. Sharing of Facilities

- The two institutes agree to share their respective important R&D facilities in order to promote academic and research interactions in the areas of co-operation to intensify the high priority area programmes of science and technology.
- The Two institutes agree to exchange software, other materials and components developed in house in the areas of co-operation, if advisable within the framed rules governing the two institutes.
- Access to laboratory, library and other supporting facilities for jointly supervised Ph.D. students (In the areas of mutual interests) and a limited number of already registered Ph.D students generally stationed at NITD and CSIR-CSIO will be provided by both institutes.
- Accommodation facilities will be provided, subject to availability, to faculty and research students by both the institute as per the respective rules and regulations of the institutions.

### 5. Project / Training Work of Students

- Selected students of M.Tech. and Ph.D in the respective areas of specialisation of NITD will be allowed for project work at CSIR-CSIO. The students will work in the areas of mutually agreed areas in various departments of both the institutes.
- Selected students of M.Tech, and Ph.D will also be allowed to spend significant time at CSIR-CSIO for their training purpose. During this period, the students will be exposed to various laboratories in their specialisation. CSIR-CSIO will provide subsidized boarding and lodging, subject to availability.

## 6. Ph.D Registration

- Up to 5 staff members or research fellows of CSIR-CSIO at any given time may be admitted and registered for the Ph.D Programme per year at different nodal points at NITD. In all such cases, the admission and other terms and conditions applicable to part-time students will be applicable.
- There shall be provision for joint supervision with appropriate staff of CSIR-CSIO and in conformity with the rules and norms for Ph.D research guidelines at NITD.

## 7. Areas of Co-operation

The areas of co-operation will be defined and modified from time to time by the coordination Committee set up for the purpose.

## 8. Co-ordination Committee

- The following will constitute the Coordination Committee to monitor and review the collaborative programme between the two institutions:
  - a) Director, NITD or his nominee
  - b) Director, CSIR-CSIO or his nominee(s)
  - c) Coordinators from NITD & CSIR-CSIO (nominated by respective Directors)
- The Coordination Committee shall:
  - Review the progress of the identified programmes (at least once in a year)
  - Consider the new R&D proposals for joint collaboration and implementation on case to case basis including IPR and financial arrangement
  - Consider the addition/deletion of areas of co-operation between the two institutions during review.
  - Consider the continuance of the MoU.

## 9. Publications and Patents

- All publications concerning joint/collaborative work in the programmes of co-operation will be authored by the concerned staff / Research fellow of CSIR-CSIO and the faculty of NITD on the basis of contribution of members.
- CSIR-CSIO/CSIR & NITD will be joint owners of the Intellectual Property Right (IPR)/ Patents flowing out of joint work on the basis of contribution of members.

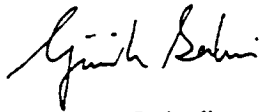
## 10. Non Disclosures

In case of joint research and consultancy projects taken up by CSIR-CSIO and NITD, no party will disclose any part of investigation to media in any form without mutual consent.

## 11. Validity & Period

- This MoU shall be valid initially for a period of Three years from the date of signing.
- At the end of validity of the MoU, a fresh MoU with similar /modified terms may be considered for signing.

In witness whereof the undersigned, duly authorised, have signed this Memorandum of Understanding at Chandigarh on the Twenty Second Day of January 2013. It has been executed in two originals; one has been retained by CSIR-CSIO and the other by NITD.



(Dr. Girish Sahni)

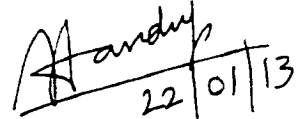
Director  
Central Scientific Instruments Org. (CSIR-CSIO),  
Chandigarh  
22-01-13

निदेशक  
Director

राष्ट्रीय वैज्ञानिक उपकरण संगठन  
Central Scientific Instruments Organisation  
Sector-30, Chandigarh-160 030  
Sector-30, Chandigarh-160 030

Witness (CSIR-CSIO)

Dr. <sup>Himani</sup> Anand Kumar  
Head, Biomed. Inst.  
CSIO, Chandigarh

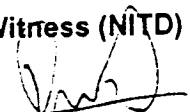


22/01/13

(Prof. Sandeep Sancheti)

Director  
National Institute of Technology, Delhi,  
New Delhi  
Sector-9, Delhi  
New Delhi-110077

Witness (NITD)

  
(Dr. Vibhakar Sharma)  
OSD NIT Delhi