



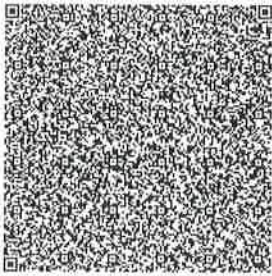
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MEMORANDUM OF UNDERSTANDING

Between

**CSIR-CENTRAL ELECTRONICS ENGINEERING
RESEARCH INSTITUTE (CSIR-CEERI)**

Pilani, Rajasthan

and

JAMIA MILLIA ISLAMIA

New Delhi

For

**Co-Operation in the Field of
Research and Education**



1. PREAMBLE

Jamia Millia Islamia, A Central University, Delhi, hereinafter referred as JMI & Central Electronics Engineering Research Institute (CEERI), a constituent laboratory of Council of Scientific and Industrial Research (CSIR) Pilani, Rajasthan, hereinafter referred as CSIR-CEERI, hereby agree to encourage academic & research cooperation through study and research in furtherance of the development of learning as stipulated below.

2. OBJECTIVES & SCOPES

Both the Institution (JMI & CSIR-CEERI) shall encourage cooperation between research groups, researchers, academicians and institute staff and their exchange shall be established by specific agreements between the respective departments. The overall objective & scope of this MoU are enlisted below:

- i. The aim of the present organization is to define & initiate the framework for common measures to be taken by CSIR-CEERI & JMI in order to promote exchange of person, activities & experience in higher education & research.
- ii. To promote academic & research cooperation between the two institutes for enhancement of knowledge & vision.
- iii. To foster the exchange of academic publications & scholarly information.
- iv. Initially, the broad areas of common interest have been identified as following: (The list is indicative & may include allied & related research areas.)
 - Development of modelling and advanced control systems for various process control industries
 - Development of robots for various applications
 - System development and deployment
 - Design and development of electronic circuit interface for sensors and actuators
 - Development of sensor instrumentation systems and IoT platforms for industry and societal applications
- v. The scope of the cooperation will also be wide open to other scientific fields of common interest to both the institutions.



3. Implementation of the programme

Both the institutes acknowledge that the visit by research students/faculty members or research scientists from one institute to others shall comply with the regulations policies of CSIR –CEERI, Pilani, India & JMI, Delhi, India.

A. Ph.D. program in areas of mutual interest to both the organisations

Research Scientists & other sponsored project personnel of CSIR-CEERI who are interested to carry out their doctorate at JMI will be facilitated as off campus candidates. In case any research scientist or project staff enrolls to do his/her Ph.D. Program at JMI, he/she will be supervised by a supervisor from JMI and a Co-supervisor from either institute. In such cases, the Ph.D. Candidate will be governed by academic regulations of JMI & would have to stay in JMI till he/she is awarded Ph.D. Candidacy (i.e. Course Work & Comprehensive Exams as per rules in the force). CSIR-CEERI will also extend facilities to JMI registered Ph.D student to carry out thesis work in the areas as per Para 2 (iv & v). JMI students registered for such Ph.D. program with supervisor from JMI may opt for co-supervisor from CSIR-CEERI. The scientist of CSIR-CEERI will be recognized as co-supervisor for Ph.D. program by JMI, provided he/she holds a Ph.D. Degree.

B. UG/PG Dissertation & Specialized Teaching:

Students from JMI, Delhi shall be permitted to work at CSIR-CEERI for their UG/PG dissertation for period up to six months extendable to twelve months on merit basis. This work may be performed under the joint supervision of a senior scientist of CSIR-CEERI & JMI faculty members.

Exchange of scientist /faculty from JMI & CSIR-CEERI, Pilani is encouraged. Local hospitality will be borne by the host institute for short term exchanges.

C. PG Program Lab Training:

PG students in the specified area will be visiting CSIR-CEERI, Pilani & acquire hands on experience yearly once for a period of one week / two week to get trained to technologies available in CSIR –CEERI with nominal charges as per CSIR-CEERI norms. The schedule of such visit will be predecided by both the organizations. Upon successful completion of their degree, CSIR-CEERI shall issue necessary certificate endorsing the performance of the students.



4. FUNDING

In the furtherance in cause of multidisciplinary areas, the faculty/scientist of the two institutions are encouraged to submit joint project proposals to relevant funding agencies and funding applications shall be made by participating institutions with their mutual consent and discussing regarding the scope & extent of such funded exchange programs to meet its goals.

5. INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership or software / design / products developed, etc. shall be decided by two parties by mutual consent.

6. JOINT PROGRAMS

Training programs, workshops, seminars may also be jointly organized. Each institute will also extend its library facilities to a limited number of identified persons from the other institute.

7. COMMENCEMENT & TENURE

This memorandum of understanding (MoU) shall be effective on the date of signing for five years & may be automatically renewed for successive five years period unless either institute gives the other a further notice of its desire to revise or terminate the MoU at least twelve months prior to its termination.

8. PROGRAM COORDINATORS

Each institute will nominate its own representatives within each field of cooperation & such representatives will be responsible for all measures to be taken under this agreement. From now onwards these nominated representatives will form the coordination committee. The coordination committee will plan the activities under MoU every academic year & also look into the inclusion / exclusion of the areas of cooperation. The committee shall be as follows:

- a. Vice Chancellor, JMI, Central University, Delhi, (Co-Chairman)
- b. Director, CSIR-CEERI, Pilani (Co-Chairman)
- c. Director (Research), JMI, Delhi
- d. Three members (one of them being Co-convenor) from CSIR-CEERI
- e. Three members (one of them being Co-convenor) from JMI, Delhi



9. MISCELLANEOUS

- a) Either Institution may terminate this Memorandum of Understanding, prematurely, through written notice to the other Institution, with six (6) months in advance.
- b) The pre-mature termination of this Memorandum of Understanding will not affect the conclusion of the cooperation activities that may have been formalized while it was in operation, unless otherwise agreed by the Institutions.
- c) This Memorandum of Understanding will not generate legally binding obligations for the Institutions. Nothing mentioned in this Memorandum of Understanding shall deem to constitute partnership between the signing Institutions appointing one party as an agent of the other.
- d) No amendments, changes, alteration or modifications to this agreement shall be effective unless it is stated in writing & signed by both the parties and in certain cases, if required, upon approval by the competent authority of each party.
- e) If any dispute or difference of any kind whatsoever arises between the parties in connection with the agreements the party shall try to resolve the same by mutual discussions, failing which, dispute or difference shall be referred to the Head of both the Institutions. If all fails, courts of New Delhi shall have exclusive jurisdiction on matters arising out of to this agreement.

Prof. Santanu Chaudhury
Director
For and on behalf of
CEERI, Pilani, Rajasthan

Dated: 22/5/2017

Prof. Talat Ahmad
Vice-Chancellor
For and on behalf of
Jamia Millia Islamia, New Delhi

Dated: 19.04.2017

Prof. Talat Ahmad
Vice-Chancellor
Jamia Millia Islamia
Jamia Nagar
New Delhi - 110025



Witnesses

1) *S.A. Akbar* 24/05/2017
Dr. S.A. Akbar
Chief Scientist, CEERI, Pilani
प्रमुख, पी.एम.बी.डी.
Head PMBD
सी.एस.आई.आर.-केंद्रीय इलेक्ट्रॉनिक्स अभियांत्रिकी अनुसंधान संस्थान
CSIR-Central Electronics Engineering Research Institute
पिलानी-333031, (राजस्थान)/Pilani-333031, (Rajasthan)

2) **Dr. B.A. Botre**

B.A. Botre
22/5/17

1) *D. Islam* 26/04/2017
Prof. Tarikul Islam
Deptt. of Electrical Engineering
F/o Engg. & Technology
Jamia Millia Islamia
(A Central University)
New Delhi-110025

2) *M. Jamil* 26/4/17
Prof. Majid Jamil
Head
Deptt. of Elect. Engg.
Head
Deptt. of Electrical Engineering
Faculty of Engg. & Tech.
Jamia Millia Islamia
New Delhi-110025