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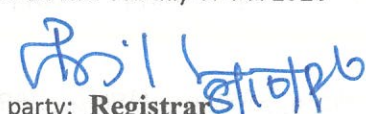
MEMORANDUM OF UNDERSTANDING

BETWEEN GOVERNMENT HOMOEOPATHIC MEDICAL COLLEGE, KOZHIKODE
AND
NATIONAL INSTITUTE OF TECHNOLOGY CALICUT (NITC)

This Memorandum of Understanding (MoU) is entered into on this 8th day of Oct 2026


First party : **Dr Mansoor Ali KR**

PRINCIPAL
GOVT. HOMOEOPATHIC MEDICAL COLLEGE
KOZHIKODE - 673010


Second party: **Registrar**

कुलसचिव (Principal) / REGISTRAR (in Charge)
राष्ट्रीय प्रौद्योगिकी संस्थान कलिकट
कोषिकोड-673001, कर्नाट, भारत
National Institute of Technology Calicut
Kozhikode-673001, Kerala, India



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K. MANOJ KUMAR
Taluk Vendor, Kozhikode
9447078152

MEMORANDUM OF UNDERSTANDING
FOR ACADEMIC AND RESEARCH COLLABORATION

This Memorandum of Understanding (MoU) is made on this 8th day of October 2026 at
National Institute of Technology Calicut, Kerala,

BETWEEN

Government Homoeopathic Medical College, Kozhikode, Kerala – 673008 (hereinafter referred to as "GHMCK"), a premier institution under the Department of AYUSH, Government of Kerala, engaged in medical education, patient care, postgraduate training and research in Homoeopathy, represented by the Principal, Government Homoeopathic Medical College, Kozhikode,

AND

National Institute of Technology Calicut (NITC), (hereinafter referred to as "NITC"), an Institute of National Importance established under the National Institutes of Technology Act, 2007 and functioning under the Ministry of Education, Government of India, having its campus at NIT Campus P.O., Kozhikode – 673601, represented by the Director, National Institute of Technology Calicut.

GHMCK and NITC are hereinafter individually referred to as a "Party" and collectively as the "Institutions".

I. PURPOSE

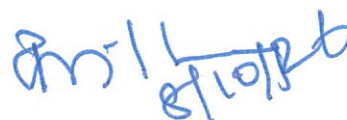
The purpose of this MoU is to promote interdisciplinary research and academic collaboration in areas of mutual interest by integrating Homoeopathy with Biosciences, Materials Science, Engineering, Computational Biology and related disciplines. The collaboration aims to facilitate scientific exploration, capacity building, innovation, and translational research for the benefit of society.

II. INTRODUCTION

Consistent with the goals and objectives of both institutions, GHMCK and NITC propose to initiate multidisciplinary collaborative activities in the following broad areas:

A. Biosciences and Translational Research

1. Microbiology and host-pathogen interactions.
2. Cancer biology and cellular response studies.
3. Molecular biology, genomics and proteomics.
4. Bioinformatics and computational biology.
5. Neuroscience and neurodegenerative diseases.
6. Pharmacodynamics and biological effects of homoeopathic medicines.



7. Biomarker studies and personalized medicine approaches.

B. Materials Science and Analytical Research

1. Nanotechnology-based characterization of homoeopathic medicines.
2. Spectroscopy, microscopy and advanced analytical techniques.
3. Physicochemical characterization and standardization.
4. Development of novel analytical methodologies.
5. Materials science applications in drug delivery and biomedical systems.

C. Artificial Intelligence and Data Science

1. AI-assisted clinical and research data analysis.
2. Machine learning applications in personalized medicine.
3. Predictive modelling and pattern recognition.
4. Health informatics and biomedical databases.

D. Academic and Training Activities

1. Faculty exchange.
2. Exchange of research scholars and postgraduate students.
3. Joint seminars, workshops, symposiums and conferences.
4. Research methodology and skill-development programmes.
5. Co-guidance of postgraduate dissertations, subject to the regulations of respective institutions.

Projects outside the above domains may also be undertaken by mutual consent.

III. OBJECTIVES

1. To facilitate collaborative and interdisciplinary research.
2. To strengthen scientific understanding of Homoeopathy using contemporary methodologies.
3. To encourage exchange of expertise and resources.
4. To support faculty members and postgraduate scholars in research activities.
5. To promote innovation and translational research.
6. To jointly seek funding from national and international agencies.
7. To promote scientific publications, patents and technology development.





IV. ACTIVITIES

The Institutions agree to:

1. Undertake collaborative research projects under approved protocols.
2. Exchange faculty members, research scholars and postgraduate students.
3. Organize joint academic programmes including workshops, seminars and conferences.
4. Share research facilities, laboratories and library resources subject to institutional regulations.
5. Prepare joint proposals for external funding agencies such as ICMR, AYUSH, CCRH, DBT, DST, SERB, CSIR and KSCSTE.
6. Publish research findings jointly with due credit to investigators.
7. Encourage innovation, product development and patent generation.
8. Constitute a Joint Coordination Committee to review and monitor collaborative activities.

V. ROLE OF GHMC KOZHIKODE

GHMCK shall:

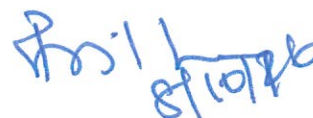
1. Provide expertise in Homoeopathy and clinical sciences.
2. Facilitate clinical studies and provide de-identified clinical data wherever applicable.
3. Ensure compliance with ethical guidelines and protection of patient confidentiality.
4. Obtain necessary approvals from Institutional Ethics Committee and Institutional Research Committee.
5. Nominate faculty members and postgraduate students for collaborative activities.
6. Ensure appropriate authorship and acknowledgement in publications.

VI. ROLE OF NIT CALICUT

NITC shall:

1. Provide technical expertise and analytical support.
2. Facilitate access to laboratories and instrumentation subject to institutional norms.
3. Support computational analysis, bioinformatics and advanced experimental methodologies.





4. Collaborate in data interpretation and scientific publications.
5. Ensure compliance with protocols and confidentiality requirements.

VII. ETHICAL AND REGULATORY COMPLIANCE

1. All studies involving human participants shall require prior approval from the Institutional Ethics Committee of GHMCK and other relevant committees wherever applicable.
2. Animal studies shall require approval from competent authorities.
3. Research shall be conducted in accordance with ICMR, DHR, AYUSH and other applicable national guidelines.
4. Patient confidentiality and privacy shall be protected at all stages.

VIII. CONFIDENTIALITY

Both Institutions agree to maintain confidentiality of all proprietary information, research data and patient-related information. Such information shall not be disclosed to third parties without written consent of the concerned Institution.

IX. INTELLECTUAL PROPERTY RIGHTS

1. Publications arising out of collaborative projects shall acknowledge contributions from both Institutions.
2. Intellectual Property generated under this MoU shall be jointly owned unless otherwise agreed.
3. Patent filing and commercialization shall be governed by mutually agreed terms.
4. Revenue generated from commercialization shall be shared in accordance with separate agreements.

X. FINANCIAL ARRANGEMENTS

1. This MoU does not create any financial liability on either Institution.
2. Specific projects may be funded through external agencies or collaborative grants.
3. Financial management shall be governed by project-specific agreements.





5. Computer Science and Engineering – Artificial Intelligence, Machine Learning, Data Analytics and Bioinformatics to homoeopathic clinical, experimental and biomedical research.

Bioinformatics approaches may also be explored for the analysis and interpretation of biological, molecular and genomic datasets, wherever relevant to collaborative research projects.

Overall Expected Outcomes of the Collaboration

The proposed collaboration is expected to promote interdisciplinary and multidisciplinary research integrating Homoeopathy with Materials Science, Biosciences, Chemistry, Chemical Engineering, Computer Science, Artificial Intelligence, Data Science and Bioinformatics.

XV. SIGNATORIES

For Government Homoeopathic Medical College, Kozhikode (First Party)

Principal

Signature: _____

Name: Dr. MANSON A.C.I.

Designation: PRINCIPAL

Date: 8/10/2020

Seal



For National Institute of Technology Calicut (Second Party)

Registrar

Signature: _____

Name: Dr. Periasamy C.

Designation: _____

Date: 08/10/2020

कुलसचिव (i/c) / REGISTRAR (in Charge)
राष्ट्रीय प्रौद्योगिकी संस्थान कलिकट
कोषिकोड-६७३६०१, केरल, भारत
National Institute of Technology Calicut
Kozhikode-673601, Kerala, India



Witnesses

1. Dr. SANITHA V, professor, MS(BI) [Signature]

2. Dr. RISHAB B, Professor, atomic [Signature]