

**MEMORANDUM OF UNDERSTANDING**  
**(MoU)**

BETWEEN

**Government Medical College, Bhavnagar**  
**(GMC Bhavnagar)**

AND

**Indian Institute of Technology Mandi**  
**(IIT Mandi)**  
**(Through Indian Knowledge System and**  
**Mental Health Applications – IKSMHA**  
**Centre)**

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**(Through Indian Knowledge System and Mental Health Applications – IKSMHA Centre)**

**1. Parties to the MoU**

This Memorandum of Understanding is entered into on this 02<sup>nd</sup> day of March 2026, between:

Government Medical College, Bhavnagar, Gujarat, India, an institution under the Government of Gujarat, hereinafter referred to as "GMC Bhavnagar", represented by its Dean/Authorized Signatory,

**AND**

Indian Institute of Technology Mandi (IIT Mandi), Himachal Pradesh, India, through its Indian Knowledge System and Mental Health Applications (IKSMHA) Center, hereinafter referred to as "IIT Mandi", represented by its Director/Authorized Signatory.

GMC Bhavnagar and IIT Mandi shall hereinafter be referred to individually as a "Party" and collectively as the "Parties".

**2. Background and Purpose**

The IKSMHA Center at IIT Mandi, established in 2022 under the vision of Prof. Laxmidhar Behera, is engaged in research in consciousness studies, yoga, meditation, Ayurveda, Indian performing arts, and musopathy.

Government Medical College, Bhavnagar is a premier medical education and clinical research institution involved in patient care, medical training, and biomedical research.

Both Parties recognize the importance of interdisciplinary collaboration in advancing scientific understanding and clinical applications of Music and Musopathy, including Tonation Breathing Techniques (TBT).

This MoU aims to establish a framework for academic, clinical, and research collaboration in these domains.

### **3. Scope of Collaboration**

The collaboration may include, but is not limited to:

#### **1. Joint research projects on:**

- Tonation Breathing Techniques (TBT)
- Musopathy interventions
- Music-based therapeutic approaches
- Mental health, neurological, psychosomatic, and rehabilitation applications

2. Clinical studies and trials involving patients at GMC Bhavnagar, subject to ethical approval.

3. Development of research protocols, tools, and outcome measures.

4. Exchange of faculty, researchers, and students for academic and research purposes.

5. Joint supervision of postgraduate and doctoral research scholars.

6. Organization of workshops, training programs, conferences, and seminars.

7. Development of academic courses and teaching modules.

8. Joint publications, patents, and dissemination of research outcomes.

### **4. Roles and Responsibilities**

#### **GMC Bhavnagar shall:**

- Facilitate access to clinical settings, patients, and medical data as per ethical guidelines.
- Obtain approvals from Institutional Ethics Committee (IEC).
- Provide clinical expertise and infrastructure.
- Nominate a Nodal Officer for coordination.

#### **IIT Mandi shall:**

- Provide technical, theoretical, and methodological expertise in musopathy and TBT.
- Support research design, data analysis, and interpretation.
- Facilitate academic supervision and training.
- Nominate a Nodal Officer for coordination.

### **5. Governance and Coordination**

Research Coordination Committee (RCC) shall be constituted with equal representation from both Parties to:

- Identify priority research areas
- Approve projects
- Monitor progress
- Resolve operational issues

## **6. Ethical Considerations**

All clinical research shall comply with:

- ICMR guidelines
- Institutional Ethics Committee approvals
- National and international research ethics standards
- Informed consent of participants shall be mandatory.

## **7. Intellectual Property Rights (IPR)**

Intellectual property generated shall be jointly owned, unless otherwise agreed in writing for a specific project.

Detailed IPR and commercialization terms shall be finalized through separate project-specific agreements.

## **8. Data Sharing and Confidentiality**

Data sharing shall be governed by written protocols.

Patient confidentiality and data protection laws shall be strictly followed.  
Confidential information shall not be disclosed to third parties without written consent.

## **9. Financial Arrangements**

This MoU does not imply any financial commitment.

Financial aspects of individual projects shall be governed by separate agreements or grant conditions.

## **10. Publications and Acknowledgment**

Joint publications shall appropriately acknowledge both institutions.

Authorship shall follow standard academic guidelines.

## **11. Duration**

This MoU shall be valid for five (5) years from the date of signing and may be extended by mutual written consent.

## **12. Amendment**

This MoU may be amended at any time by mutual written agreement of both Parties.

### 13. Termination

Either Party may terminate this MoU by giving three (3) months' written notice. Ongoing projects shall be allowed to continue unless otherwise mutually decided.

### 14. Dispute Resolution

Any dispute arising shall be resolved amicably through mutual consultation. If unresolved, it shall be subject to jurisdiction of Indian courts.

### 15. Legal Status

This MoU is a statement of intent and does not create legal or financial obligations except as stated.

### 16. Signatures

For Government Medical College, Bhavnagar:

Name: DR. CHENMM SHAM

Designation: Dean / Authorized Signatory

Signature: [Handwritten Signature]

Date: 16/12/20

Seal:



For Indian Institute of Technology Mandi:

Name: [Handwritten Signature]

Designation: Director / Authorized Signatory

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Seal:

Dean SRIC  
IIT Mandi  
Kamand - 175005,  
H.P., India