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Date: 28 MAY 2025, 01:07 PM
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S/o CHOUDHURY RAMACHANDRA KHUNTIA
R/o GANDIPET, RR DIST
For Whom
CBIT R/O. GANDIPET, RR DIST

28 MAY 2025

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MEMORANDUM OF UNDERSTANDING (MoU)

For Academic Collaboration in Indian Knowledge Systems (IKS)

Between

Chaitanya Bharati Institute of Technology (CBIT)

(Autonomous, Approved by AICTE & Affiliated to Osmania University)

Gandipet, Hyderabad, Telangana – 500075

And

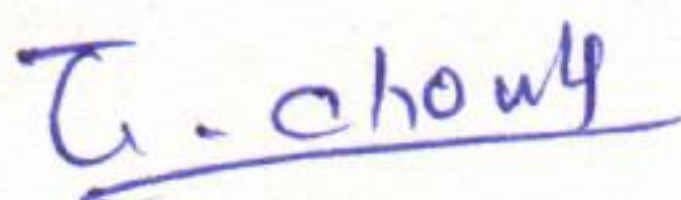
Megha Institute of Engineering and Technology for Women (MIETW)

(Autonomous, Approved by AICTE & Affiliated to JNTUH), Edulabad (V), Ghatkesar (M),

Medchal--Malkajgiri District, Telangana -- 501301

1. Preamble

Megha Institute of Engineering and Technology for Women (MIETW) and Chaitanya Bharati Institute of Technology (CBIT), hereinafter referred to as "the Institutions", recognize their shared commitment to academic excellence and the promotion of **Indian Knowledge Systems (IKS)** encompassing traditional sciences, indigenous technologies, cultural knowledge, philosophies, arts, practices of India and other academic initiatives based on Mutual agreement.









The integration of Indian Knowledge Systems (IKS) offers profound, practical solutions to contemporary challenges in engineering and science. Far from being merely historical, this ancient body of knowledge provides frameworks for sustainable development, as seen in traditional water harvesting techniques, ancient metallurgy, and ecological wisdom, which can guide modern engineering practices. The principles of IKS, such as "dharma-centric design" and ecological balance, have been shown to enrich technological thinking, aligning it with human values and environmental sustainability. Recognizing this potential, the Ministry of Education (MoE) established the dedicated IKS Division at the All India Council for Technical Education (AICTE) to promote interdisciplinary research and societal applications. Guided by the **National Education Policy (NEP) 2020**, which emphasizes the inclusion of India's rich heritage into curricula, AICTE has mandated the introduction of IKS courses to help students learn about and apply this heritage. This national-level priority, with hundreds of Higher Education Institutions already adopting IKS into their curriculum, makes it imperative for MIETW and CBIT to collaborate, thereby contributing to interdisciplinary education, research, and the creation of next-generation engineers and scientists equipped with holistic, indigenous knowledge.

Both Institutions agree that collaboration in IKS will strengthen interdisciplinary education, research, innovation, and cultural continuity in alignment with the **National Education Policy (NEP) 2020**.

The Centre for Indian Knowledge Systems (CIKS) at IIT Madras is a multidisciplinary hub dedicated to researching India's scientific, technological, and cultural heritage. Established in 2022 with a grant from the IKS Division of the Ministry of Education, the Centre is comprised of seven faculty members from the Departments of Humanities and Social Sciences and Civil Engineering.

The core academic activity of the CIKS is organized around four broad thematic areas, which serve as the basis for the courses it offers to IIT Madras students. These specific course names, currently under development, are designed to explore the following principal domains:

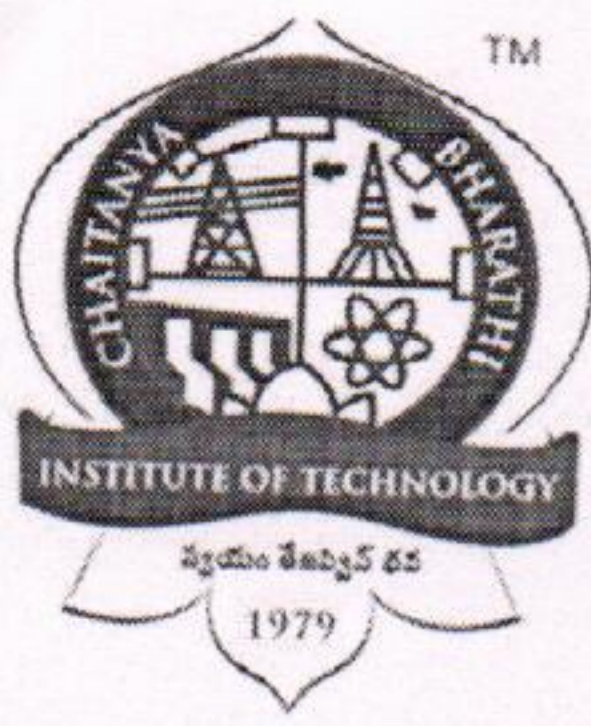
- **Mathematics and Astronomy in India.**
- **Architectural Engineering, Vāstu and Śilpa-śāstra.**
- **Indian Political and Economic Thought.**
- **Indian Aesthetics and Grammatical Traditions.**

The Centre's curriculum is designed for IIT Madras students, with plans to subsequently offer these courses on the NPTEL platform for wider dissemination. Beyond the courses it offers, the Centre's broader educational and research initiatives include workshops for educators on implementing IKS, teacher training programs, international conferences on the history of

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Indian mathematics, and a series of talks on various IKS topics. The CIKS also involves undergraduate students through research internships on IKS projects and actively works on public outreach

The Centre for Indian Knowledge Systems (CIKS) at IIT Madras has conducted workshops on IKS-based aesthetics and educator training, conferences on Indian linguistic traditions (Panini, negation) and the history of mathematics, and a talk series on Sanskrit, music, yoga, and historic localities. Outreach includes student visits, collaborative events with CSIR and other institutions, and teacher training in mathematics pedagogy. The Centre has published research on combinatorial tools from the *Sangita-ratnakara* and was formally inaugurated in 2022 under the Department of Humanities and Social Sciences.

CBIT also has IKS centre "Vignana Anusandhan Kendram (VAK)" which conducts awareness about IKS systems, conferences and research.

2. Purpose of the MoU

The purpose of this MoU is to establish a framework for **mutual exchange of knowledge, resources, and expertise** in Indian Knowledge Systems through academic, research, training, and outreach activities in similar lines with the scheme established by IIT Madras for the IKS initiative.

3. Objectives

The objectives of this MoU are to:

- Promote awareness, teaching, and research in Indian Knowledge Systems
- Encourage interdisciplinary integration of IKS with engineering, science, humanities, and management
- Facilitate faculty and student engagement in IKS-based academic activities
- Support documentation, preservation, and dissemination of traditional Indian knowledge
- Strengthen institutional capacity in IKS through collaboration

4. Areas of Collaboration

The Institutions agree to collaborate in the following areas related to IKS:

- Joint organization of **seminars, workshops, conferences, Faculty Development Programs (FDPs), and lectures** on IKS. *These events may be conducted in hybrid or physical mode and shall aim to build a shared IKS academic community across both institutions.*

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- Development of IKS-based curriculum components, electives, and value-added courses. *The Institutions may also develop common certification courses or micro-credentials in IKS for interdisciplinary benefit.*
- Faculty exchange for guest lectures, mentoring, and curriculum design
- **Combined guidance of student projects** (including joint supervision, co-assessment, and interdisciplinary IKS projects)
- Student participation in IKS projects, exhibitions, cultural–academic events, and field studies
- Collaborative research, publications, case studies, and documentation in IKS
- Promotion of local, regional, and oral knowledge traditions through academic platforms. *Wherever possible, the Institutions shall invite traditional knowledge holders and community experts as resource persons.*

5. Exchange of Faculty and Resource Persons

Both Institutions shall encourage faculty members to participate in academic visits for delivering lectures, conducting workshops, **co-organizing FDPs**, and mentoring students in IKS-related themes. *Such exchanges may also include joint development of research proposals for funding agencies like AICTE, UGC, or IKS-related government missions.* Specific terms regarding duration, logistics, and financial arrangements shall be mutually decided for each activity.

6. Student Engagement and Exchange

The Institutions agree to facilitate student participation through:

- Joint IKS workshops, competitions, and academic events
- Exposure visits and field-based learning related to Indian knowledge traditions
- **Combined guidance of student projects** (one or more faculty members from each institution jointly supervising student teams, with shared evaluation criteria). *Regular joint review meetings shall be held to monitor student progress and ensure balanced contribution from both institutions.*
- Joint student internships or mini-projects in IKS. *Internships may be designed to include documentation of local IKS practices, hands-on workshops, or collaborative problem-solving using traditional knowledge.*

7. Exchange of Academic and Learning Resources

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Both Institutions may share teaching–learning materials, digital resources, and reference literature related to Indian Knowledge Systems, subject to mutual consent and respect for intellectual property rights.

8. Intellectual Property Rights

Intellectual Property generated through collaborative activities under this MoU shall be jointly owned, unless otherwise mutually agreed in writing, and shall comply with the existing IP policies of both Institutions.

9. Coordination

Each Institution shall nominate one faculty member as **IKS MoU Coordinator** to plan, monitor, and review collaborative activities under this MoU.

10. Duration and Termination

This MoU shall come into effect from the date of signing and shall remain valid for a period of **TWO (02) years**. It may be renewed by mutual consent. Either Institution may terminate the MoU by giving **one month's written notice**, without affecting activities already in progress.

11. Arbitration

Any dispute arising out of the interpretation or implementation of this MoU shall be resolved by arbitration in accordance with the **Arbitration and Conciliation Act, 1996 (India)**. The arbitral tribunal shall consist of a **sole arbitrator** mutually appointed by both Institutions. The **seat and venue of arbitration shall be Hyderabad, Telangana**. The language of arbitration shall be English. The decision of the arbitrator shall be final and binding on both parties.

12. Indemnity

Each Institution shall indemnify, defend, and hold harmless the other Institution, its officers, faculty, and employees from and against any and all claims, losses, liabilities, damages, expenses, and costs (including reasonable attorney fees) arising out of or resulting from:

- any negligent act, omission, or willful misconduct of the indemnifying Institution or its personnel in connection with activities under this MoU; or
- any breach of the terms of this MoU by the indemnifying Institution.

13. Non-Disclosure and Priority of IKS Collaboration

- Non-Disclosure of Confidential Information** – Each Institution agrees to protect any information clearly identified as “Confidential” by the disclosing Institution and disclosed in

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connection with this MoU. Confidential information shall not be shared with third parties without prior written consent, except as required by law.

b) **Priority of IKS Collaboration** – Recognizing that the primary purpose of this MoU is to advance Indian Knowledge Systems, neither Institution shall invoke the confidentiality obligations of this Clause to prevent or unreasonably restrict the sharing, discussion, or joint development of:

- IKS educational resources (including syllabi, teaching modules, and reference materials)
- Non-proprietary traditional knowledge, documentation, and case studies
- Materials or data explicitly intended for open academic collaboration under Section 4 (Areas of Collaboration)

Unless a specific document or dataset carries a written confidentiality notice, all IKS-related exchanges shall be presumed open for academic use within the scope of this MoU. The Institutions shall prioritise the dissemination and preservation of IKS over confidentiality where the two may conflict.

c) **Third-Party Obligations** – This Clause does not override existing obligations to third parties. Each Institution shall ensure that only non-restricted IKS materials are shared under this MoU.

14. Non-Financial Understanding

This MoU does not impose any financial obligation on either Institution unless explicitly agreed upon in writing for specific activities.

15. Date of Effect

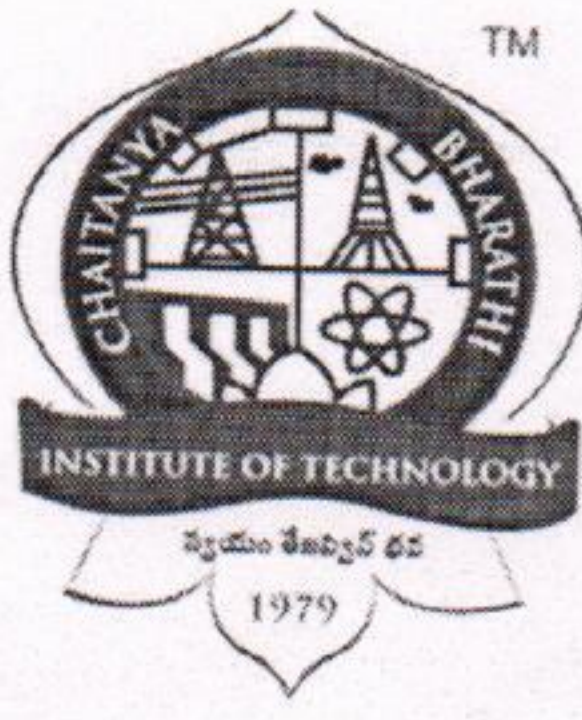
Date of Signing of the Memorandum of Understanding:

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For Chaitanya Bharati Institute of Technology (CBIT)

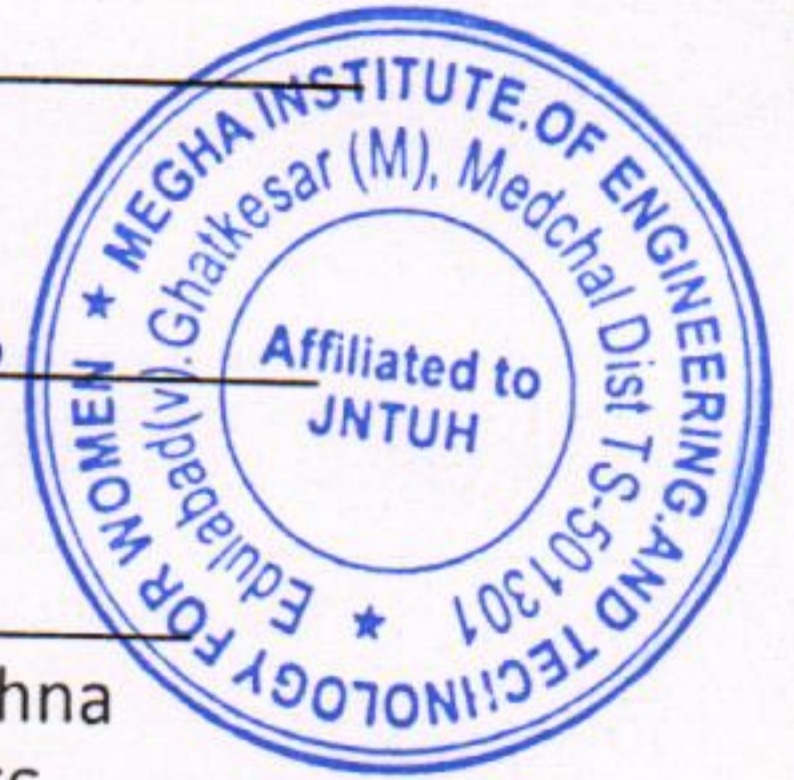
For Megha Institute of Engineering and Technology for Women (MIETW)

Signature: [Signature]
Name: Prof. C. V. Narasimhulu
Designation: Principal
Date: _____

Signature: [Signature]
Name: Dr. B. Sai Venkata Krishna
Designation: Vice-Principal
Date: 19-June-2026

Signature: [Signature] SPOC
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Witness 1
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Witness 2
Name: Prof. HARRISON SUNIL D
Signature: [Signature]



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