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First Party Address	: Director Amala institute of medical science Thrissur
Second Party Name	: Indian institute of
Second Party Address	: Information Technology, Kottayam
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Memorandum of Understanding



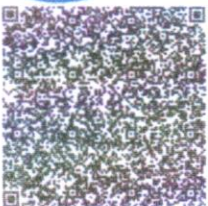
Indian Institute of
Information Technology
Kottayam



Fr. Julious Arakkal

Fr. Julious Arakkal CMI
Director

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Dr. M. Radhakrishnan

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Palakkad P.O., Pala, Kerala-686 635

No. 3 Dist. Court Vendor
Leena Thekkekkara TCR

Healthcare–Academia Collaborative MoU

Between

Amala Institute of Medical Sciences (AIMS)

[An undertaking of Amala Cancer Hospital Society]

Thrissur, Kerala

&

Indian Institute of Information Technology (IIIT),

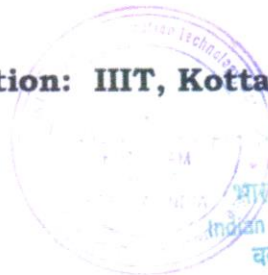
Kottayam, Kerala

Date: 09-10-2025

Location: IIIT, Kottayam



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This Memorandum of Understanding ("MoU") is entered into by and between **Amala Institute of Medical Sciences (AIMS), Thrissur 680555, Kerala, India**, represented by **Fr. Julious Arakkal CMI, Director**, and **Indian Institute of Information Technology (IIIT), Kottayam**, operating at its permanent campus in Valavoor, Pala, Kerala and represented by its **Registrar Dr. M Radhakrishnan**.

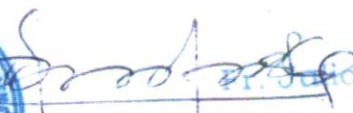
1. Preamble


Indian Institute of Information Technology Kottayam (hereinafter referred to as **IIIT Kottayam**), at Valavoor, Pala, Kerala, is one among the IIITs established as Institutions of National Importance by the Ministry of Education, Government of India, under the IIIT (PPP) Act 2017. IIIT Kottayam is engaged in cutting-edge research and training in Artificial Intelligence, Machine Learning, Data Science, Edge and Quantum Computing, with a mission to develop innovative technological solutions addressing societal and healthcare challenges. Amala Institute of Medical Sciences, an undertaking of Amala Cancer Hospital Society (hereinafter referred to as **AIMS**), Thrissur, Kerala, is a premier healthcare and academic institution that integrates advanced medical education, patient care, and research. With strong clinical departments including neurology and specialized facilities for EEG-based diagnostics, AIMS is dedicated to translational research and improving patient outcomes across multiple domains of medicine.

Whereas, both IIIT Kottayam and AIMS:

- Recognize the transformative potential of integrating Artificial Intelligence and Quantum Computing with clinical research and healthcare delivery, particularly in the domain of neurological disorders and EEG-based diagnostics.




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- Intend to leverage their complementary strengths to jointly develop advanced diagnostic systems, predictive models, and digital healthcare innovations.
- Wish to broaden this collaboration beyond neurological disorders to include AI-based solutions for disease detection, diagnostic aids, and prediction in fields such as oncology, cardiology, as well as other areas of mutual interest like medical imaging, drug discovery, telemedicine, and digital health.

Now, therefore, in consideration of the mutual promises made herein, both institutions agree to enter into this Memorandum of Understanding (MoU).

2. Article I: Purpose and Scope

The purpose of this Memorandum of Understanding (MoU) is to establish a formal framework for collaborative research and development, academic exchange, and innovation between the parties.

It also seeks to establish collaboration in advancing research that applies Artificial Intelligence and hybrid quantum-classical methods to EEG data for the prediction and management of epilepsy, seizures, and other neuropathic disorders.

As AIMS already has a dedicated facility equipped with Video EEG machines for epilepsy monitoring, outpatient and portable EEG monitoring, pediatric epilepsy programmes, and a comprehensive sleep lab, this provides a strong foundation for the initiative.

Through this partnership, the aim is to enhance early warning systems, support clinical decision-making, and improve patient care in the domain of neurological health.



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Under this MoU, both parties agree to collaborate on the following activities:

- Development and implementation of the seizure alert system
- Data sharing, technical input, and clinical validations
- Joint research publications, patents, and grant applications
- Faculty, research scholar, and student exchange (where applicable)
- Prototype development and real-world pilot studies

3. Article II: Institutional Roles

AIMS will:

- Provide clinical data*, domain expertise, and patient care insights across departments.

(*The collection and use of clinical data from AIMS shall be subject to prior approval of hospital management, and a separate application must be submitted for each case and must adhere to the institutional Ethical Committee regulations.)

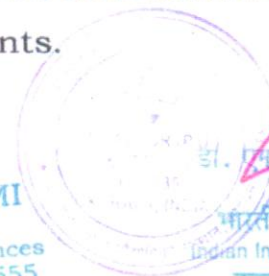
- Support ethical reviews and facilitate clinical validation and pilot studies.
- Offer access to infrastructure such as EEG labs, hospitals, and research departments.


IIIT Kottayam will:

- Lead development of AI, quantum computing, and data analysis platforms.
- Handle computational modeling, algorithm design, and system engineering.
- Collaborate with clinical teams to adapt tools for real-world healthcare settings.
- IIIT shall ensure to access the hospital infrastructures, labs, departments etc with prior permission and without interrupting the smooth functioning of the departments.




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- Any other terms and conditions, including but not limited to financial arrangements, indemnity, or other specific provisions, shall be mutually decided by the parties through a separate Memorandum of Agreement (MoA) on a case-to-case basis.

4. Article III: Ethical Governance

- All human or animal studies require approval from the Institutional Ethics Committee (IEC) of AIMS or an equivalent body.
- Strict compliance with ethical, legal, and privacy standards must be maintained for all data and patient interactions.

5. Article IV: Intellectual Property & Publications

- Intellectual Property resulting from jointly executed projects will be governed by mutual agreement on a case-by-case basis.
- Jointly developed publications, patents, and prototypes shall reflect co-authorship and institutional affiliations.
- Both institutions agree to maintain strict confidentiality regarding proprietary data and patient information.

6. Article V: Confidentiality

- Both parties commit to preserving the confidentiality of all shared information, especially clinical data and proprietary technologies, unless legally required to disclose.

7. Article VI: Duration & Termination

- This MoU shall be effective from the date of signing.
- It shall remain valid for a period of three (3) years, extendable upon mutual consent.



[Handwritten signature]

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[Handwritten signature]
 डॉ. एम. राधाकृष्णन / Dr. M. RADHAKRISHNAN
 कुलसचिव / REGISTRAR
 भारतीय सूचना प्रौद्योगिकी संस्थान, कोट्टयम
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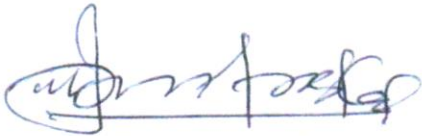
- Either party may terminate the agreement with prior written notice of 90 days, ensuring the completion of ongoing obligations.
- Both parties shall settle their dues if any before the termination of the agreement.

8. Article VII: Dispute Resolution

- Any conflicts will first be addressed through mutual consultation.
- Failing resolution, disputes will proceed to arbitration under the Indian Arbitration and Conciliation Act, 1996.
- Venue: Ernakulam, Kerala. Proceedings: English.
- The Arbitrator shall be appointed mutually by both parties.

Signatures

For AIMS:



Fr. Julious Arakkal CMI

Director



Amala Institute of Medical Sciences

Fr. Julious Arakkal CMI
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For IIIT:



Dr. M Radhakrishnan

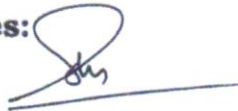
Registrar

IIIT Kottayam

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Date: 09-10-2025

Witnesses:



DR. SURESH KUMAR. S

Professor + HOD Microbiology

Amala Institute of Medical Sciences
Thrissur



Dr. John Paul Martin
Assistant Professor
IIIT Kottayam




Dr. BETSY THOMAS
MD, FRCOG, DNB, MICOG
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