



Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES

(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)

MoE, UGC & AICTE Approved

NAAC A++ Accredited

SDG - 3 Good Health and Well-Being

3.3 Collaborations and health services

3.3.1 - Collaborations with local, national or global health institutions to improve health & wellbeing

Karunya Institute of Technology and Sciences (KITS) has emerged as a catalyst for advancing health and well-being through meaningful collaborations with local, national, and global health institutions. These strategic partnerships are rooted in the university's vision of holistic development and its mission to serve humanity through innovation and compassion. By engaging in joint research, healthcare outreach programs, and community-based health initiatives, Karunya works to address pressing health challenges, promote preventive care, and improve access to quality healthcare. Through these sustained efforts, the institution continues to empower individuals and communities, contributing significantly to the overall well-being and sustainable development of society.

The Institution has established collaborations with esteemed institutions such as Transylvania University of Brasov, Romania; HLL Lifecare Limited, Thiruvananthapuram; Queen Mary University of London; EU Member States through the Erasmus+ program; ICAR - National Bureau of Agriculturally Important Microorganisms (NBAIM); and TMI Systems, Bangalore. These partnerships strengthen the university's interdisciplinary approach to research, innovation, and community engagement. Through joint projects, academic exchange, and technology-driven initiatives, KITS actively contributes to advancements in healthcare, life sciences, and sustainable development, fostering global learning and promoting health and well-being across diverse communities.

1. Transylvania University of Brasov, Romania
2. HLL Lifecare limited, Thiruvananthapuram
3. Queen Mary University of London
4. EU Member States (Erasmus +)
5. ICAR – National Bureau of Agriculturally Important Microorganisms (NBAIM)
6. TMI Systems, Bangalore

1. Transylvania University of Brasov, Romania



Transilvania
University
of Brasov



GENERAL AGREEMENT FOR EDUCATION, SCIENTIFIC AND CULTURAL CO-OPERATION

between

The **TRANSILVANIA UNIVERSITY** of BRASOV

B-dul Eroilor 29, 500036 Braşov, Romania

represented by its **RECTOR**, Prof. dr. ing. Ioan Vasile ABRUDAN

and

Karunya Institute of Technology and Sciences

Coimbatore-641114, Tmailnadu, India

represented by its **REGISTRAR**, Dr. R. Elijah Blessing Vinoth

Convinced of the necessity of promoting and reinforcing the co-operation, the mutual exchange of information, the improvement of research and education programmes, and also the exchange of professors, researchers and students;

Desiring to establish and to promote regular relationships in scientific and cultural fields in an institutionalized framework,

have agreed as follows:



I. GENERAL AGREEMENTS

1. Purpose of the co-operation

The purpose of the co-operation between the **Transilvania University of Brasov, Romania** and **Karunya Institute of Technology and sciences, Coimbatore, India** is to improve the scientific and educational level of the two Institutes, to promote and intensify the friendship and the mutual understanding between the people in general and the two Institutes in particular.

2. Fields of co-operation

Co-operation between the two Institutes concerns the entire area of education and research. The two parties shall conclude programme-agreements in order to provide for specific co-operation and exchange projects in particular fields.

3. General conditions of co-operation

Apart from the exchange of persons, no discrimination based on grounds of gender, birthplace, race or philosophical, religious and political opinion will be tolerated.

II. FORMS AND METHODS OF CO-OPERATION

4. Exchange and co-operation in the field of research and education.

4.1. Exchange of professors and researchers

The exchange of professors and researchers may take place on long and on short-term basis. Professors and researchers may be assigned educational as well as research tasks.

4.2. Exchange of students

Both parties express their wish to intensify student exchange for undergraduate as well as for Master programs.



4.3. Mutual research programmes

The two Institutions may conclude common research programmes in fields of mutual interest. Duration and conditions of these programmes will be determined in specific programme agreements.

4.4. Participation of third Institutes

Within the framework of this agreement, the **Transilvania University of Brasov, Romania and Karunya Institute of Technology and sciences, Coimbatore, India** may also co-operate in activities of other Institutions, with the purpose of realising projects in the furtherance of social, economic and cultural development of their countries.

4.5. Exchange of publications

The two contracting parties shall lend assistance by exchanging scientific publications and literature between their libraries, also by the exchange of audio-visual materials, informatics and others. These exchanges will be the subject of specific programme agreements.

4.6. Mutual assistance

The **Transilvania University of Brasov and Karunya Institute of Technology and sciences, Coimbatore, India** shall lend mutual assistance by exchange of information over and invitations to important meetings, symposia and conferences. The two Institutions undertake to maintain and to promote contacts, with a view to scientific co-operation with other partners in the respective regions.

III. SPECIAL AGREEMENTS

5. Preliminary procedure

The Institution, willing to send a professor, a researcher or a student, must forward, at least six months in advance, the curriculum vitae, the list of publications and the work schedule of the person concerned, to the host Institution. The host Institution must confirm every stay at least four weeks before the beginning of this stay.



IV. EXECUTION OF THE AGREEMENT

6. Programme agreements

This agreement is a framework agreement which regulates the relations between the parties in a general way. The conditions and the execution measures of this agreement will be defined in the form of work programme agreements, which shall regulate the exchange of professors, researchers and students between various faculties or research and study centers, in precise projects. These work programme agreements, concluded between the faculties, institutes or centers concerned, will be approved by the Rectors of the Universities or by their delegates.

V. FINAL DISPOSITIONS

7. Duration of the agreement

The duration of this agreement shall be **four** years from the day the agreement was signed by both parties.

8. Amendments

The amendments to the present agreement shall be agreed in writing between the undersigned.

9. This agreement is drawn up and signed in duplicate.

Dated : October 06, 2023

for the  **Transilvania**
University of Brasov, Romania

Prof. dr. ing. Ioan Vasile ABRUDAN
RECTOR

for **Karunya Institute of
Technology and Sciences,**
India


Dr. R. Elijah Blessing Vinoth
REGISTRAR

Dr. R. Elijah Blessing
Registrar,
Karunya Institute of Technology and Sciences
(Deemed to be University)
Karunya Nagar,
Chennai-641114

2. HLL Lifecare Limited, Thiruvananthapuram



தமிழ்நாடு தமில்நாடு TAMIL NADU

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M. DORASWAMY
"STAMP VENDOR"
10-A, STATE BANK ROAD,
COIMBATORE - 641 018,
L.No:7333/B1/975-3

AGREEMENT

This Agreement entered at Coimbatore into on this 23rd day of October, 2023
between,

M/s. Karunya Institute of Technology and Sciences (Deemed to be University),
Karunya Nagar, Coimbatore - 641 114, represented by its Registrar, Dr. R. Elijah Blessing,
(hereinafter referred to as KITS), (which expression unless repugnant to the context and
meaning shall mean and include its assigns, legal representative, nominee, successor in
office, administrator, executor, etc.) of the ONE PART,

and

M/s. HLL Lifecare Ltd., a Government of India Enterprise incorporated under the
Companies Act, 1956 and having its registered office at HLL Bhavan, Mahilamandiram
Road, Poojappura, Thiruvananthapuram - 695012, Kerala, India [CIN:
U25193KL1966GOI002621] represented by its General Manager, Mr. Sathiajith S.
(hereinafter referred to as HLL), (which expression unless repugnant to the context and
meaning shall mean and include its assigns, legal representative, nominee, successor in
office, administrator, executor, etc.) of the OTHER PART

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Both the KITS and HLL shall in this agreement be individually referred as "Party" and collectively referred as "Parties".

WHEREAS HLL is aimed at realizing the government's family planning programme. HLL started as a manufacturer of natural rubber latex condoms. The company spread its wings to diversify into a healthcare major, with great emphasis over healthcare services. As the company successfully completes 57 years of consistent quality performance, HLL is entrusted with greater responsibilities – the affordable pharmacy network across the nation, healthcare services outlets, vaccine security of the nation, the medical devices park and much more.

WHEREAS KITS is a Deemed University under section 3 of UGC Act , accredited NAAC A++, was founded with the noble vision to raise professionals and leaders of high academic calibre and unblemished character, nurtured with a strong motivation and commitment to serve humanity, in its four institutional thrust areas of research namely, Healthcare, Food, Water and Sustainable Energy.

WHEREAS KITS approached HLL to establish joint collaborations towards various R&D activities in Engineering and Technology on Project/consultancy mode in its capacity as learning under research institutions and HLL has accepted the proposal submitted by KITS

WHEREAS KITS and HLL held mutual discussions and have agreed upon the terms and conditions set forth in this agreement

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. Purpose

This agreement aims to promote industry academic cooperation, the exchange of research experiences, industry linkages, Joint research proposals/activities, Research and Consultancy in the fields of Life care products between KITS and HLL to benefit from each other's initiatives and working procedures and to support collaboration among the researchers associated with both Parties. **In connection with the above, the parties agree to a consultancy project entitled "Automatic Lubricant Dispensing System with Precise Flow Control"**

2. General Terms of Agreement

2.1 Coordination: In order to carry out and fulfil the aims of this agreement, each party will appoint an appropriate person(s) as Authorized Representative (AR) to represent its organization and to coordinate the implementation of activities. The authorized representatives details are reflected in this agreement addendum.

2.2 Termination of Agreement: The collaboration covered by this agreement shall terminate upon completion of the agreed-upon period or after completion of the said project whichever is earlier. The agreement may also be terminated with a written one month notice from either side. In the event of non-compliance or breach by one of the

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parties of the obligations binding upon it, the other party may terminate the agreement with immediate effect.

2.3 Extension of Agreement: The Agreement may be extended provided the parties agree upon such extensions and can provide the necessary resources.

2.4 Communications: All notice, demands, and other communication under this agreement in connection herewith shall be written in English language and shall be sent to the last known address, e-mail, or fax of the concerned party. Any notice shall be effective from the date on which it reaches the other party.

2.5 Addendum: All Addendum to this agreement shall be in writing and signed by both parties.

2.6 Project execution: HLL to comply with the terms and conditions stipulated in this agreement and subsequent Addendum agreed by both the parties if any for the effective implementation of the project. HLL shall immediately inform KITS regarding the Project of any event, which could have a negative influence on or risk the successful accomplishment of the tasks described in the agreement.

3. Scope

This Agreement sets forth the intentions of the Parties to enter into a consultancy project on **"Automatic Lubricant Dispensing System with Precise Flow Control"** with the following deliverables

4. Technical requirements – General

4.1 The specification covers Supply part, Services part.

4.1.1 **Scope of Supply** shall comprise of design (i.e. Preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, fabrication, assembly, inspection / testing at HLL

4.1.2 **Services part** covers supervision services for erection & commissioning, trial run at site and carrying out Performance guarantee tests at site. Training of operators & officers covering all aspects of the lubricant feeding/dosing system and inclusive of training for Operation & Maintenance (3 days) at Site including troubleshooting etc.

4.2 The KITS shall be responsible for providing all material, equipment & services, which are required to fulfil the intent of ensuring operability, maintainability, reliability and complete safety of the complete system covered under this specification.

4.3 The dosing system shall conform in all respects to the highest standards of design, engineering and workmanship and shall be capable of performing the required end result in a manner acceptable to HLL and shall be entitled to reject any work or material which in HLL judgment is not in full accordance.



4.4 The maximum allowable deviation ± 5 mg of the lubricant quantity. The accuracy refers to the quantity obtained by calibrating the system at different time points without any adjustment and change.

4.5 The system should have the facility to vary the quantity of lubricant in the range of 250 to 600 mg.

4.6 The three channel dispensing shall have the same accuracy level

Dispensing operation to be resumed after the power failure without reset.

Cavitation in lubricant tubing to be minimal

All the product parts should be SS304 and silicone material for tubing

1. KITS shall ensure that upper reservoir if required to be suitably accommodated in the existing system
2. Plug and play for the easy scheduled maintenance
3. User-friendly controller operation should be ensured.
4. The system should perform the established results irrespective of the speed of the machine.
5. KITS shall ensure while integration of the system and it shall not hamper the packing machine performance.
6. HLL will provide 1 no 3 line Packing machine based on the request from KITS as and when required without affecting the production target

5.0 Payment terms

The payment terms are finalized based on the techno- commercial meeting conducted on 15.09.23 and subsequent communications from KITS dated 15.09.23.

1. Particulars

- HLL shall pay Rs.5 Lacs as mobility advance to KITS only against bank guarantee for the consultancy charges.
- HLL shall bear only the actual Lodging, Local Conveyance & Boarding expenses to a maximum of 3 visits of KITS during the project execution period and more than three visits shall be borne by KITS.

5.2 Financials

- Supply of consumables required for the Automatic precision dosing system – Rs 2.5 lacs (Including GST)
- Consultancy, Fabrication & Commissioning charges – Rs 5.5 lacs excluding statutory deductions and GST.
- **The overall project charges – Rs 8.99 Lacs**

After successful implementation in one machine KITS have informed that the stand alone unit cost for each subsequent system would be Rs 2.25 lacs or at actuals whichever is lower.

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6.0 Duration of Agreement: This agreement shall be operational upon signing and will have an initial duration of **one year** for this particular project. All activities conducted before this date within the vision of the joint collaboration will be deemed to fall under this agreement. HLL shall be entitled to recover the liquidated damages from KITS at the rate of 0. 5% (zero decimal point five percent) of the total fee payable per month of delay of any activity subject to a maximum of 5% of the total fee payable as per the **clause no- 7** of this agreement

Timelines:

Sl. No	Description	0-2 months	2-5 months	5-7 months
1	Product Design and Testing			
2	Prototype Design: 1 Channel and testing			
3	3 Channel Unit			
4	Integrate with existing setup and deployment			
5	Validation and Testing			

7.0 Liquidated Damages

The work shall be carried out with all due diligence and as per the time schedule specified above. In case of any delay/default, KITS to adhere to the agreed time schedule, (Decision of the HLL shall be final and binding) HLL shall be entitled to recover the liquidated damages from KITS of 0. 5% (zero decimal point five percent) of the total of fee payable per month of delay of any activity subject to a maximum of 5% of the total fee payable if delayed beyond 7 months .

8.0 Force majeure clause

If at any time during the continuance of this contract, the performance in whole or part by either party of any obligation under this contract shall be prevented or delayed by reasons of any war, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions or acts of God (hereinafter referred to as events) then provided notice of the happening any such events if given by either party to the other within 14 days from the date of occurrence thereof neither party shall be by reason of such event be entitled to terminate this contract nor shall either party have any claim for damage against the other in respect of such non performance or delay in performance and deliveries under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist and decision of the HLL as to whether the deliveries has been so resumed or not shall be final and conclusive, provided further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reasons of any such event for period exceeding 60 days, either party may at its option terminate the agreement.

Handwritten signature

Handwritten signature

9.0 Performance guarantee during warranty period

KITS shall pay 10% of contract value in the form of bank guarantee to HLL during the warranty period towards defects liability. The KITS shall guarantee all that equipments are free from any defect due to the defective materials and poor workmanship, that the equipment's operates satisfactorily and that the performance and efficiencies of the equipment's are not less than the guaranteed values. The KITS shall also guarantee to provide the services necessary for replacement of defective equipment etc. The services of the KITS's personnel if requisitioned during this period for such work shall be made available free of any cost to HLL. The guarantee shall be valid for a period of 12 months from the date of commissioning of the respective machines and any part found defective shall be replaced free of all costs by KITS. If the defects are not remedied within a reasonable time, HLL may proceed to do so at the KITS's risk and expense without prejudice to any other rights.

If HLL identifies any deficiencies in performance of the system after implementation, HLL will provide another 10 days for the corrective action and if fails, KITS shall liable to refund the amount received from HLL.

10. DEFECTS LIABILITY PERIOD

Any defect developed within 'Defect Liability Period' of 12 months will have to be rectified by KITS at their own cost. In case the defects are not rectified by KITS, their representative shall get the work done at their risk and their costs.

Guarantee and defects liability period

KITS shall guarantee that all equipments are free from any defect due to the defective materials and poor workmanship, that the equipments operate satisfactorily and that the performance and efficiencies of the equipments are not less than the guaranteed values. The guarantee shall be valid for a period of 12 months after successful first seasonal testing and taking over and any part found defective shall be replaced free of all costs by KITS. The services of the KITS personnel if requisitioned during this period for such work shall be made available free of any cost to HLL.

The guarantee shall be extended to all the components, consumables, control cards etc including all the brought out items. If the defects are beyond repair, as judged by HLL the same shall be replaced with new machineries at no additional cost to HLL.

11.0 INTELLECTUAL PROPERTY

A. Title and Copyright Assignment

11.1 KITS acknowledges and agree that all the products and results (and all rights therein, including, without limitation, copyrights) under this Agreement belongs to and shall be the sole and exclusive property of HLL.

11.2 Notwithstanding the foregoing, KITS also hereby assigns and transfers to HLL, its successors and assigns, the entire right, title, and interest in and to all copyrights in the products; all registrations and copyright applications relating thereto and all renewals



and extensions thereof; all works based upon, derived from, or incorporating the product; all income, royalties, damages, claims and payments now or hereafter due or payable with respect thereto; all causes of action, either in law or in equity for past, present, or future infringement based on the copyrights; and all rights corresponding to the foregoing throughout the world.

11.3 KITS hereby acknowledges that HLL shall retain all right, title, and interest in all trademarks and goodwill that results under this agreement.

12. Confidentiality

Each Party recognizes that the other Party holds its Proprietary Information as important. In particular, each Party recognizes that the other Party's Proprietary Information (and the confidential nature thereof) is critical to the other Party's business

Each Party must, therefore:

- (i) hold the other Party's Proprietary Information in confidence and take reasonable precautions to protect the Proprietary Information (including, without limitation, no less than all precautions that it employs with respect to its own confidential materials);
- (ii) except as required by law, regulation or legal process, not divulge the other Party's Proprietary Information or any information derived there from to any third person; provided, however, that if a Party is required to make any such disclosure of the other Party's Proprietary Information, such Party shall give reasonable advance written notice to the other Party of such required disclosure and will use reasonable efforts consistent with prudent business judgment to secure confidential treatment of such Proprietary Information prior to its disclosure (whether through protective orders or confidentiality agreements or otherwise); and
- (iii) not make any use whatsoever at any time of the other Party's Proprietary Information except for purposes of and expressly authorized in this Agreement

Both Parties hereby agree to enter into a **Non Disclosure Agreement** to protect the "Confidential Information" between the parties. The Non Disclosure Agreement shall be entered between the parties before the exchange of experimental procedures, instrumental knowledge and development of new protocols in Fields, Industrial Visit ,Training in process and product formulation

Each party shall comply with all statutory provisions as may be necessary in connection with and incidental to the Project.

13. General Provisions

1. For any specific joint projects will be set forth in separate written agreements



2. Treatment of intellectual property rights developed through collaborations under this agreement will be determined between the parties through mutual consultation and separate written agreements on a case- to -case basis.
3. Publication credits of any kind arising as a result of this agreement shall be shared by both the parties only after obtaining prior written consent. The lead authors would be the party where major part of the experiments were conducted. The corresponding authors of the publications would be the party which has prepared the manuscript. The above issues will be discussed by the parties and decide the authorship details. The publications as a result of this agreement will be made under mutual concerns of the parties while either party are intimated in writing.
4. Any press releases or other publications to be issued or made by one party that refer to this agreement or the subject matter and/or the relationship established between the parties of this agreement, shall have prior approval of the other party.
5. This Agreement restricts KITS from participating for this proposed project with other companies, institutes, organizations, and individuals for a period of Two years from the date of execution of this agreement.
6. Nothing in this agreement establishes or will deemed to establish a principal-agent relationship, employee-employer relationship, a representative or joint partnership between the parties hereto and neither party will enter into any contract or commitment on behalf of the other.
7. Nothing in this agreement will be construed to constitute an obligation or commitment of funds or otherwise from either party.

14. Investigators from each party:

Investigators from each party will be identified to coordinate the identification of research problems and monitor its progress and execution

1. The Faculty Team from KITS comprising of Dr. S.Rajesh, Professor in Physics, Dr. P.Rajalakshmi, Associate Professor in Robotics and Automation, Dr. B.Vidhya, Assistant Professor in Physics, Dr. A.Sakunthala, Assistant Professor in Physics, Dr. R.Nandhakumar, Professor in Chemistry, Dr. JibuThomas, Professor in Biotechnology shall work on the said consultancy project
2. From HLL Mr. Sathijith S , General Manager – Engineering & Mr. Rajesh Kumar, Dy General manager- Engineering will co-ordinate and assist for the fulfilment work

The Investigators and Nodal Members may be changed by either party as they may deem appropriate from time to time, with a prior written intimation of 10 days to the other




15. Resolution of Disputes

15.1 The Parties shall make every effort to resolve amicably, by direct informal negotiations, any disagreement(s) arising between the Parties in relation to or in connections with this Agreement directly or indirectly, whether during pendency of the Agreement or thereafter.

15.2 "All matters, queries, disputes or differences, whatsoever, arising between the parties touching the construction, meaning, operation or effect of this Memorandum of Agreement or out of or relating to this Memorandum of Agreement or breach thereof shall be mutually discussed between the parties and settled or settled through arbitration in accordance with the relevant Arbitration Act in force at such time. The Arbitration award shall be binding on both parties. Place of arbitration would be in Thiruvananthapuram and the language will be in English. In all matters concerning this MoU, requiring judicial intervention Thiruvananthapuram courts alone will have jurisdiction"

16 . Indemnification:

KITS agrees, to indemnify, defend and hold harmless HLL and its Affiliates and their respective officers, directors, employees and agents from any Damages incurred by or assessed against them resulting from a third party claim caused by or alleged to be caused by:

- (i) Gross negligence, bad faith, intentional misconduct or intentional failure to perform any of its obligations under this Agreement; and
- (ii) any Claim arising from the gross negligence or bad faith of, or intentional misconduct or intentional breach of this Agreement KITS.

KITS will have 30 days after receipt of the Claim Notice to settle the claim.

17. Amendment and Waiver.

This Agreement may be amended, modified, superseded or cancelled, and any other terms or conditions hereof may be modified, only by a written instrument executed by both Parties or, in the case of a waiver, by the Party waiving compliance. Failure of either Party at any time or times to require performance of any provision hereof will in no manner affect the right of such Party at a later time to enforce the same, and no waiver of any nature, whether by conduct or otherwise, in any one or more instances, will be deemed to be or considered as a further or continuing waiver of any provision of this Agreement.

18. Severability.

If any one or more of the agreements, provisions or terms contained herein are declared invalid, illegal or unenforceable in any respect, the validity of the remaining agreements, provisions or terms contained will shall in no way be affected, prejudiced or invalidated thereby.



19. Governing Law.

This Agreement shall be governed by and construed and enforced in accordance with the laws of India.

19. Counter parts.

This Agreement is being executed in two sets separately by each party and both shall be deemed to be original and shall constitute one and the same instrument.

IN WITNESS WHEREOF the Parties to this Agreement hereby confirm to its terms by affixing their respective signature on this 23rd day of October, 2023.

For and on behalf of : Karunya Institute of Technology and Sciences, Karunya Nagar, Coimbatore-64114.  Name: Prof. Dr. R. ELIJAH BLESSING, Designation: REGISTRAR Dr. R.Elijah Blessing Registrar, Karunya Institute of Technology and Sciences (Deemed to be University) Karunya Nagar, Coimbatore-641114	For and on behalf of : M/s. HLL Life care Ltd., A government of India Enterprise, Poojapura, Trivandrum  Name: Mr. Sathiajith S Designation: General Manager सत्यजित एस / SATHIAJITH .S कारुणिक (देखीगोवित्तु व. के. ई. के.) / General Manager (Engg. & CED) एचएलएल लाइफकेयर लिमिटेड / HLL Lifecare Limited (भारत सरकार का उद्यम / A Government of India Enterprise) पेरूकडा फैक्ट्री, तिरुवनन्तपुरम - 695 005. Peroorkada Factory, Thiruvananthapuram - 695 005.
Key Contact Person  Dr .K.R.S. Krishnan Director IIE, Karunya Institute of Technology and Sciences, Karunya Nagar, Coimbatore-64114.	Key Contact Person  Mrs Smitha L G Unit Head & General Manager HLL, Peroorkada TVM- 695 005
Witness	Witness

3. Queen Mary University of London

MEMORANDUM OF INTENT FOR INTER-INSTITUTIONAL COLLABORATION

between

Karunya Institute of Technology and Sciences

and

Queen Mary University of London

Whereas, Karunya Institute of Technology and Sciences (Deemed-to-be-University), Coimbatore, Tamil Nadu, India (hereinafter referred to as KITS) and Queen Mary University of London, United Kingdom (hereinafter referred to as QMUL) the parties realize that there is great value in promoting a global outlook and international understanding in the areas of academic and research pursuits; and

Whereas, both KITS and QMUL recognize the significant role that education and research play in enhancing mutual understanding, friendship, good relations and research interaction;

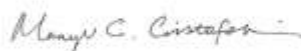
Now, therefore, both parties are interested in exploring, in good faith, opportunities for future collaborations in their fields through their respective institutions, namely the KITS and the QMUL and set forth their intent for potential collaboration initially in the following fields:

- (i) Joint academic programmes and
- (ii) Joint research programmes involving the faculty and students of both the institutions.

1. Consistency with Institutional and Legal Requirements: Future collaborations in specific projects and programmes will be on mutual consent based on case to case basis and consistent with the policies and regulations of both the KITS and QMUL, and also the laws prevalent in the respective countries.
2. Duration: This Memorandum of Intent shall become effective upon execution by both the parties and shall continue in full force and effect for a period of three years: provided, however, that either party may terminate this Memorandum of Intent at any time with 90 days written notice to the other party.
3. Future Obligations: The parties acknowledge and agree that this Memorandum of Intent does not create any binding legal obligations or financial commitments. The parties recognize that any such future obligations or commitments must be agreed upon in writing, which must be signed by an authorized representative of each of their institutions. The parties also recognize that any future obligations or commitments will depend on the availability of funds for each party.

IN WITNESS WHEREOF, the parties have executed this Memorandum of Intent as of the date shown below

For and on behalf of QMUL:



Queen Mary University of London
Manyi Cristofoli
Head of International Research and
Innovation
Date: 12th Dec 2023

For and on behalf of KITS:



Karunya Institute of Technology and
Sciences
Prof. Dr. R. Elijah Blessing
Registrar
Date: 20th Dec 2023



4. EU Member States (Erasmus +)



**Erasmus+ Programme
Inter-institutional agreement
Key Action 1
Learning mobility for higher education students and staff
between EU Member States and third countries associated to the Programme
and third countries not associated to the Programme**

The institutions¹ named below agree to cooperate for the exchange of students and/or staff in the context of the Erasmus+ programme. This agreement is valid for the Erasmus+ call years 20[23]-20[27] in:

- KA131
- KA171

The institutions commit to sound and transparent management of funds allocated to them through Erasmus+ and to respect the quality requirements of the Programme, outlined in the Erasmus Charter for Higher Education² and in this agreement.

The institutions agree on exchanging their mobility-related data according to the principles of GDPR³ and in line with the technical standards of the European Student Card Initiative⁴, when this becomes available for international mobility involving third countries not associated to the Programme.

Sending institutions located in EU/EEA countries have to ensure compliance with the provisions of art. 46 GDPR for all participants' personal data exchanged in the context of their mobility with institutions from non-EU/EEA countries without an adequacy decision, on the condition that enforceable data subject rights and effective legal remedies for data subjects are available in the respective third country. The participants should be informed in a transparent manner about the level of protection of their personal data, if this is different from the one where the sending institution is located.

¹Inter-institutional agreements can be bilateral or multilateral in the case of mobility consortia:

- Bilateral agreements are for cooperation between one higher education institution located in an EU Member State or third country associated to the Programme and another institution located in a third country not associated to the Programme
- Multilateral agreements are for cooperation between a mobility consortium of higher education institutions located in one single EU Member State or third country associated to the Programme and another institution located in a third country not associated to the Programme.

²https://ec.europa.eu/programmes/erasmus-plus/resources/documents/applicants/higher-education-charter_en

³https://ec.europa.eu/info/law/law-topic/data-protection/reform/rules-business-and-organisations/principles-gdpr_en

⁴https://ec.europa.eu/education/education-in-the-eu/european-student-card-initiative_en



1. Information about the higher education institutions

Name of the institution (and department where relevant)	Erasmus code or city ⁵	Contact details ⁶ (email, phone)	Websites
Transilvania University of Brasov ROMANIA PIC number: 999904131 OID: E10209167	RO BRASOV01	Institutional Coordinator Name: Prof. Dr. Eng. Simona LACHE e-mail: slache@unitbv.ro Erasmus Office B-dul Eroilor nr 29, RO-500036 Brasov, Romania Tel. & fax: +40 268473473 e-mail: erasmus@unitbv.ro , incoming@unitbv.ro , outgoing@unitbv.ro Faculty coordinator: Name: Assoc.Prof.dr. Livia SANGEORZAN e-mail: sangeorzan@unitbv.ro Contact person: Name: Assoc.Prof.dr. Livia SANGEORZAN e-mail: sangeorzan@unitbv.ro	General: www.unitbv.ro/en/ Faculty/faculties: www.unitbv.ro/en/faculties.html Course catalogue: www.unitbv.ro/en/prospective-students/academic-programmes.html
Karunya Institute of Technology and Sciences INDIA OID: E10348589	COIMBATORE	Institutional Coordinator Name: Prof. Dr. R. Elijah Blessing e-mail: registrar@karunya.edu Faculty coordinator: Name: Dr. D. Jude Hemanth e-mail: judehemanth@karunya.edu Contact person: Name: Dr. D. Jude Hemanth e-mail: judehemanth@karunya.edu International Affairs Office: Karunya Nagar, Coimbatore - 641114, India Tel.: +91 422 2614321 e-mail: head_ia@karunya.edu	General: www.karunya.edu Faculty/faculties: www.karunya.edu/ece Course catalogue: https://www.karunya.edu/ece/btech

⁵Higher education institutions (HEIs) from Member States or third countries associated to the Programme should indicate their Erasmus code; HEIs from third countries not associated to the Programme should mention the city where they are located.

⁶ Contact details to reach the senior officer in charge of this agreement and of its possible updates.



2. Mobility numbers per academic year

The partners agree to update the mobility data, whenever possible, by no later than the end of January in the preceding academic year formally via an amendment of the inter-institutional agreement.

Number of student and staff mobility periods

FROM [Erasmus code or city of the sending institution]	TO [Erasmus code or city of the receiving institution]	Subject area ISCED CODE ⁷ (optional)	Subject area NAME (optional)	Study cycle [short cycle, 1st, 2nd or 3rd] (optional)	Number of mobility periods			
					Student Mobility for studies [Specify here total number of students]	Student Mobility for studies [Specify here total number of months]	Student Mobility for Traineeships (optional)* [Specify here total number of students]	Student Mobility for Traineeships (optional)* [Specify here total number of months]
RO BRASOV01	Coimbatore, India	061	Information and Communication (ICTs)	1 st , 2 nd , 3 rd	5	50	3	6
Coimbatore, India	RO BRASOV01	061	Information and Communication (ICTs)	1 st , 2 nd , 3 rd	5	50	3	6

⁷<https://circabc.europa.eu/sd/a/286ebac6-aa7c-4ada-a42b-ff2cf3a442bf/ISCED-F%202013%20-%20Detailed%20field%20descriptions.pdf>

FROM [Erasmus code or city of the sending institution]	TO [Erasmus code or city of the receiving institution]	Subject area ISCED CODE ⁸ (optional)	Subject area NAME (optional)	Study cycle [short cycle, 1st, 2nd or 3rd] (optional)	Number of mobility periods			
					Staff Mobility for Teaching [Specify here total number of staff]	Staff Mobility for Teaching [Specify here total number of days]	Staff Mobility for Training (optional)* [Specify here total number of staff]	Staff Mobility for Training (optional)* [Specify here total number of days]
RO BRASOV01	Coimbatore, India	061	Information and Communication (ICTs)	1st, 2nd 3rd	2	10	2	10
Coimbatore, India	RO BRASOV01	061	Information and Communication (ICTs)	1st, 2nd 3rd	2	10	2	10

Optional additional information

e.g. blended mobility, traineeships, staff training etc.

3. Recommended language skills

The sending institution, following agreement with the receiving institution, is responsible for providing support to its nominated candidates so that they can have the recommended language skills⁹ at the start of the mobility period (see also section 5 "Preparation and Support").

⁸<https://circabc.europa.eu/sd/a/286ebac6-aa7c-4ada-a42b-ff2cf3a442bf/ISCED-F%202013%20-%20Detailed%20field%20descriptions.pdf>

Receiving institution [Erasmus code or city]	Subject area (Optional)	Language of instruction 1	Language of instruction 2	Recommended level	
				Student Mobility [Minimum recommended level in at least one of the languages: B1]	Staff Mobility [Minimum recommended level in at least one of the languages for teaching: B2]
RO BRASOV01		Romanian	English	B1 – Romanian or English	B2 – Romanian or English
Coimbatore, India		English	English	B1 - English	B2 - English

For more details on the language of instruction recommendations, see the course catalogue of each institution. The links to the course catalogue are provided in the first section.

4. Partnership arrangements: fees and organisational support funds

In accordance with the Erasmus Charter for Higher Education, partners commit to charge no additional fees to students:

- In connection with the organisation or administration of their Erasmus+ mobility period. Any violation to this rule by the partners shall be brought to the attention of the National Agency and may lead to the termination of the participation in the project linked to this inter-institutional agreement, if no corrective measures are taken.
- For tuition, registration, examinations or access to laboratory and library facilities. Nevertheless, they may be charged small fees on the same basis as local students for costs such as insurance, student unions and the use of miscellaneous material.

This section is mandatory/applicable only for KA171. Repartition of the granted Organisational Support between the partners is strongly recommended, but not mandatory:

Partners agree on the following use and repartition of organisational support funds including a list of objectives that both partners consider a priority:

OS Use and Repartition	Priority Objectives
------------------------	---------------------

⁹For an easier and consistent understanding of language requirements, it is recommended to use the Common European Framework of Reference for Languages (CEFR): <http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr>

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5. Outreach and Selection of participants: calendar, application procedure and requirements

- Partners commit to doing outreach to participants with fewer opportunities to encourage their participation in the Programme and, where needed, agree on a common strategy to meet indicative inclusion targets.
- Partners commit to running selection procedures for mobility activities that are fair, transparent, and documented, ensuring equal opportunities to participants eligible for mobility. The calls for applications must be public and an appeal procedure must be in place. Under no circumstances, shall applicants and selected participants incur any costs during application and selection procedures.
- In the case of student mobility, partners will ensure that other elements beyond academic merit are taken into account to ensure participation of students with fewer opportunities. Selection criteria and procedures must be clearly communicated in the call for applications.

Applications/information on nominated students must reach the receiving institution by:

Receiving institution [Erasmus code or city]	Term duration	Deadline ¹⁰
RO BRASOV01	Winter Term: from 1, October to 15, February Spring Term: from 15, February to 15, July	Winter Term: 15, June Spring Term: 15, December
Coimbatore, India	Winter Term: from 1 st December to 31 st April Spring Term: from 1 st July to 1 st November	Winter Term: 15 August Spring Term: 15 April

¹⁰ Please specify the deadline for each semester and, if necessary, adapt to a trimester system.

The receiving institution will send its decision within 4 weeks and no later than 5 weeks.

The partners commit to have a fair, transparent, coherent and documented application and selection procedure outlined in their respective websites and regularly updated, together with the contact details of the relevant department:

Application procedure		
Receiving Institution [Erasmus code or city]	Contact details (email, phone)	Website for information
RO BRASOV01	incoming@unitbv.ro phone: +40 268 473 473	www.unitbv.ro/en/erasmus-students/incoming-students.html
Coimbatore, India	head_ia@karunya.edu phone: +91 0422 2614321	www.karunya.edu
Selection criteria		
<i>Please sum up in this table the selection criteria. This is a non-exhaustive list – partners are invited to agree on the eventual list of selection criteria.</i>		
Requirement	Details	Website for information (optional)
Academic requirements	Number of ECTS credits (or equivalent) already completed / current level of completion of studies Subject area (ISCED code) EQF level	-----
CV		-----
Motivation letter		-----
Inclusion measures ¹¹	Targeted categories of participants with fewer opportunities (see Erasmus+ Programme Guide) To further enhance the inclusion dimension of KA171, partners are encouraged to discuss indicative targets during selection process.	-----
Other		-----

¹¹ You may find the implementation guidelines of the Erasmus+ and European Solidarity Corps Inclusion and Diversity Strategy here:

https://ec.europa.eu/programmes/erasmus-plus/resources/implementation-guidelines-erasmus-and-european-solidarity-corps-inclusion-and-diversity_en



6. Preparation and support

The Higher Education Institution(s) in a Member State or associated third country commit(s) to:

- Ensure that students are aware of their rights and obligations as defined in the *Erasmus Student Charter*¹².
- Arrange travels or provide a pre-financing of the grant to **reduce the costs that participants need to cover upfront**, to the extent possible.

All involved Higher Education Institutions commit to the following preparation and support measures. Information and assistance can be provided by the contact points and information sources in the table below:

- The receiving institution will guide incoming mobile participants in finding **accommodation**, according to the requirements of the Erasmus Charter for Higher Education. It is considered best practice to use the individual grant to pay for the deposit of dormitories.
- Ensure that outgoing mobile participants are well prepared for their activities abroad, including blended mobility, by undertaking activities to achieve the necessary level of **linguistic proficiency** and develop their **intercultural competences**.
- Provide assistance related to obtaining **visas**, when required, for incoming and outgoing mobile participants, according to the requirements of the Erasmus Charter for Higher Education and, if needed, use project funds in the most inclusive way to cover related costs partially or in full.
- Provide assistance related to obtaining **insurance**, when required, for incoming and outgoing mobile participants, according to the requirements of the Erasmus Charter for Higher Education and use project funds in the most inclusive way to cover related costs partially or in full. The receiving institution will inform mobile participants of cases in which insurance cover is not automatically provided.
- The receiving institution will inform about the existence of relevant infrastructure and provide support to incoming **participants with fewer opportunities**.

¹² The Erasmus Student Charter is available here: https://ec.europa.eu/programmes/erasmus-plus/resources/documents/applicants/student-charter_en



- Provide **appropriate mentoring and support arrangements** for mobile participants, including for those pursuing blended mobility, as well as **integrate incoming mobile participants** into the wider student community and in the Institution's everyday life.
- Provide participants with their **grant as soon as possible upon arrival**, including if necessary a first payment using cash, check or similar to avoid delays linked to opening a bank account.
- The institutions commit to encourage participants to act as **ambassadors of the Erasmus+ Programme** and share their mobility experience, e.g. by providing information about the existence of Erasmus+ alumni networks, inviting former participants in promotion activities, etc.

The table serves as a template - the partners are free to adjust it, e.g. to add more measures, to replicate per partner HEI etc.

Preparatory & Support Measures	Institution [Erasmus code or city]	Contact details (email, phone)	Website for information& arrangements
Accommodation	RO BRASOV01	incoming@unitbv.ro phone: +40 268 473 473	www.unitbv.ro/en/erasmus-students/incoming-students.html
	Coimbatore, India	head_ia@karunya.edu phone: +91 0422 2614321	www.karunya.edu
Language Support	RO BRASOV01	incoming@unitbv.ro phone: +40 268 473 473	www.unitbv.ro/en/erasmus-students/incoming-students.html
	Coimbatore, India	head_ia@karunya.edu phone: +91 0422 2614321	www.karunya.edu
Visa	RO BRASOV01	incoming@unitbv.ro phone: +40 268 473 473	www.unitbv.ro/en/erasmus-students/incoming-students.html
	Coimbatore, India	head_ia@karunya.edu phone: +91 0422 2614321	www.karunya.edu
Insurance	RO BRASOV01	incoming@unitbv.ro phone: +40 268 473 473	www.unitbv.ro/en/erasmus-students/incoming-students.html
	Coimbatore, India	head_ia@karunya.edu phone: +91 0422 2614321	www.karunya.edu
Inclusion of participants with fewer opportunities	RO BRASOV01	incoming@unitbv.ro phone: +40 268 473 473	www.unitbv.ro/en/erasmus-students/incoming-students.html
	Coimbatore, India	head_ia@karunya.edu phone: +91 0422 2614321	www.karunya.edu
Mentoring	RO BRASOV01	incoming@unitbv.ro phone: +40 268 473 473	www.unitbv.ro/en/erasmus-students/incoming-students.html
	Coimbatore, India	head_ia@karunya.edu phone: +91 0422 2614321	www.karunya.edu



Grant payments	RO BRASOV01	incoming@unitbv.ro phone: +40 268 473 473	www.unitbv.ro/en/erasmus-students/incoming-students.html
	Coimbatore, India	registrar@karunya.edu phone: +91 0422 2614321	www.karunya.edu
Alumni information	RO BRASOV01	incoming@unitbv.ro phone: +40 268 473 473	www.unitbv.ro/en/erasmus-students/incoming-students.html
	Coimbatore, India	head_la@karunya.edu phone: +91 0422 2614321	www.karunya.edu

7. Recognition

Institutions commit to:

- Ensure recognition for activities satisfactorily completed. *[Please specify the recognition tools that will be used, e.g. the European Credit Transfer and Accumulation System.]*

RO BRASOV01 - Under the European Credit Transfer and Accumulation System, in order to accumulate credit units, the student must participate in the scheduled teaching activities and carry out individual training activities.

COIMBATORE, INDIA – The student must participate in the scheduled teaching activities and carry out the project works.

- Ensure that student and staff mobility for education or training purposes is based on a learning agreement for students and a mobility agreement for staff validated in advance between the sending and receiving institutions or non-academic organisations and the mobile participants.
- Accept all activities indicated in the learning agreement, or according to the learning outcomes of the modules completed abroad, as automatically counting towards the degree, provided these have been satisfactorily completed by the mobile student.
- Partners commit to taking measures to ensure recognition of student and staff mobility upon their return, including:
 - o Providing incoming mobile students and their sending institutions with free-of-charge transcripts. The documents must be in English or in the language of the sending institution and containing a full, accurate and timely record of the achievements at the end of the mobility period.
 - o A Transcript of Records will be issued by the receiving institution no later than 4 weeks after the assessment period has finished at the receiving HEI.
 - o Providing staff with a certificate for the activities completed. It is recommended to issue a certificate towards the end of the mobility period.



8. Grading systems of the institutions

It is recommended that receiving institutions provide the statistical distribution of grades or make the information available through EGRACONS according to the descriptions in the ECTS users' guide¹³. The table will facilitate the interpretation of each grade awarded to students and will facilitate the credit transfer by the sending institution.

Institution [Erasmus code or city]	EGRACONS [If applicable]	Website for information														
RO BRASOV01	1 credit = 25 hours total work 1 full academic year = 60 credits 1 semester = 30 credits 3 months = 20 credits Grading distribution will be provided by student's Transcript of Records. <table><tr><th>ROMANIAN grading system</th><th>ECTS grade</th></tr><tr><td>10 = Excellent</td><td>A = Excellent</td></tr><tr><td>9 = Very good</td><td>B = Very good</td></tr><tr><td>From 7 to 8 = Good</td><td>C = Good</td></tr><tr><td>6 = Satisfactory</td><td>D = Satisfactory</td></tr><tr><td>5 = Sufficient</td><td>E = Sufficient</td></tr><tr><td>From 1 to 4 = Fail</td><td>F = Fail</td></tr></table>	ROMANIAN grading system	ECTS grade	10 = Excellent	A = Excellent	9 = Very good	B = Very good	From 7 to 8 = Good	C = Good	6 = Satisfactory	D = Satisfactory	5 = Sufficient	E = Sufficient	From 1 to 4 = Fail	F = Fail	-----
ROMANIAN grading system	ECTS grade															
10 = Excellent	A = Excellent															
9 = Very good	B = Very good															
From 7 to 8 = Good	C = Good															
6 = Satisfactory	D = Satisfactory															
5 = Sufficient	E = Sufficient															
From 1 to 4 = Fail	F = Fail															



¹³ The ECTS user's guide is available here: https://ec.europa.eu/education/resources-and-tools/document-library/ects-users-guide_en

Coimbatore, India	1 credit =15 hours total work 1 Full academic year = 40 credits (approx.) 1 Semester = 20-25 credits (approx.) Grading distribution will be provided by student's Transcript of Records.		-----
	Grading system	grade	
	10 = Outstanding	O = Outstanding	
	9 = Excellent	A+ = Excellent	
	8 = Very Good	A = Very Good	
	7 = Good	B+ = Good	
	6 = Above Average	B = Above Average	
	5 = Average	C = Average	
	4 = Pass	P = Pass	
	0 = Reappearance Required	R = Reappearance Required	
	0 = Ineligible	IE=Ineligible	

9. Any other information regarding the terms of the agreement (optional)

RO BRASOV01 - Selection/preparation/integration of incoming students and staff will be carried out in accordance with the principles of the Erasmus University Charter. Additional information is provided at <https://www.unitbv.ro/en/>. Partner Universities will send a detailed nomination list with the beneficiaries of the Erasmus mobility, by e-mail, to incoming@unitbv.ro, together with the required documents. The required documents will be sent by e-mail (pdf format). We could specify in due time, upon request, if special needs of students and staff with disabilities can be fulfilled.

COIMBATORE, INDIA - -----



10. Termination of the agreement

In the event of unilateral termination, a notice of at least one academic year should be given. This means that a unilateral decision to discontinue the exchanges notified to the other party by 1 September 20XX will only take effect as of 1 September 20XX+1. The termination clauses must include the following disclaimer: "Neither the European Commission nor the National Agencies can be held responsible in case of a conflict".

SIGNATURES OF THE INSTITUTIONS (legal representatives)

Institution [Erasmus code or name and city]	Name, function	Date	Signature ¹⁴
RO BRASOV01	Prof. Dr. Eng. Ioan Vasile ABRUDAN, Rector	10.01.2024	
Coimbatore, India	Dr. R. Elijah Blessing Vinoth, Registrar	01 JAN 2024	

¹⁴Scanned copies of signatures or digital signatures may be accepted depending on the national legislation

5. ICAR – National Bureau of Agriculturally Important Microorganisms (NBAIM)



07.11.2023
தமிழ்நாடு தமிழ்நாடு TAMILNADU
Karunya Institute of Technology
and Sciences
Coimbatore

H. Pournima
STAMP VENDOR
103, MADURAI VEERAN KOVIL STREET,
B.K. PUDUR, KUNIAMUTHUR,
CBE - 06, TAMILNADU,
REF.No: 928/B1/2021-13/CBE

BH 557350



Umbrella Memorandum of Understanding
between
(ICAR - National Bureau of Agriculturally Important Microorganisms)
and
Karunya Institute of Technology and Sciences (Deemed to be University)
for facilitating
Students' Training / Postgraduate Research

This Memorandum of Understanding (hereinafter referred to as MoU) is made on this 15th day of the month of April in the year 2024 by and between the NBAIM (National Bureau of Agriculturally Important Microorganisms) having its Head Office at Kushmaur, Mau Nath Bhanjan, UP, India-257103 (hereinafter called First party) a constituent Research Institution of the Indian Council of Agricultural Research, Krishi Bhavan, New Delhi-110001 on the ONE PART and the Karunya Institute of Technology and Sciences, Deemed to be University, (NAAC Accredited A++ and ICAR Accredited) having its headquarters at Karunya Nagar, Coimbatore, Tamil Nadu, India - 641114 [hereinafter called Second party] on the OTHER PART (who for the purpose of this MoU are hereinafter collectively referred to as the parties).

(Signature of First Party)

निदेशक
भा.क.अनु.प.-राष्ट्रीय कृषि उपयोगी सूक्ष्मजीव ब्यूरो
कुसमौर, मऊ नाथ भंजन-257103 (उ.प्र.)
Dr. Alok Kumar Srivastava
Director
ICAR-National Bureau of Agriculturally Important Microorganisms
Kushmaur, Mau Nath Bhanjan-257103 (U.P.)

(Signature of Second Party)



The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into long-term collaboration for promotion of students' training and quality postgraduate research in cutting edge areas in accordance with the provisions contained in the Guidelines issued vide Letter No. 2-8/2012- HRD dated 11th December, 2012 or as revised from time to time.

WHEREAS the "First Party" is involved in the studies on "Bacterial endophytes for biotic stress management, Microbial diversity, Soil microbiome, Organic matter recycling and Biomass valorization and DNA Fingerprinting". (specific mandated domain within the approved disciplines/divisions), AND WHEREAS the "Second Party", established vide F. No9-3/2000-U3 dated 26.03.2004 by Govt. of India / Ministry of Human Resource Department (Name of the Agency) vide Act No.section -3 of UGC act 1956 of and recognized by University Grants Commission] at its School of Agricultural Sciences of Karunya Institute of Technology and Sciences is involved in Plant-Microbe Interaction, Soil microbiome and metagenomics, Microbial diversity and Biomass valorization, AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

Article 1. Scope

- 1.1 The Second party will recognize the First party as an Institute for conducting research related to the thesis requirement of the research students for U G , P G & P h . D . The Second party will recognize Scientists of the ICAR Institute as recommended by its Director in accordance with the University rules and regulations for guiding students working for the said degree.
- 1.2 Operational details of research effort and collaboration will be made in common research programmes and/or projects restricted to specific mandated domain within the approved disciplines/divisions. The objective(s) for research work for a student coming from a Second party outside NARS should be exclusively different as far as possible.
- 1.3 Research instrumentation facility and library facilities available with the First party and the Second party will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.
- 1.4 There shall be an exchange of students for academic, research and training purposes. Accommodation in the Hostel shall be arranged, wherever possible, as per extant rates. The duration of exchange visits will be determined by mutual consent between both parties.

(Signature of First Party)

निदेशक
भा.कृ.अनु.प.-राष्ट्रीय कृषि उपयोगी सूक्ष्मजीव ब्यूरो
कुसमौर, मऊ नाथ भजन-275103 (उ०प्र०)
Dr. Alok Kumar Srivastava
Director
ICAR-National Bureau of Agriculturally Important Microorganisms
Kushmair, Mounath Bhajan-275103 (U.P.)

(Signature of Second Party)



Article 2. Management

- 2.1 Director of the First party and the Vice-Chancellor/Head of the Institution of the Second party will be responsible to work out operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.
- 2.2 The Advisory Committee will meet at least once in a year alternatively in the institutions of the First party and the Second party to review the activities. This meeting shall include a presentation on the academic and research activities, which should be open to the students, faculty and scientists.

Article 3. Exchange of Information

- 3.1 The term "information" includes scientific or technical data, results and/or methods of investigation, and other information intended to be provided, exchanged, or arising under project descriptions entered into pursuant to this MoU.
- 3.2 The parties support the widest possible dissemination of information. Each party in joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes.

Article 4. General Provisions

- 4.1 It is understood that the First party and the Second party subscribe to the principle of equal opportunity and do not discriminate on the basis of race, sex, age, caste or religion. Both the Institutions shall abide by these principles in the administration of this agreement and neither party shall impose criteria for exchange of scholars or students, which violate principles of non-discrimination.
- 4.2 Both parties understand that all financial agreements will have to be negotiated separately and will depend on the availability of funds.
- 4.3 Both parties acknowledge that exchange of students from one party to the other shall be subject to the availability of funds and shall comply with the regulations and policies of the First party and the Second party.
- 4.4 Any research publications arising will be jointly published in accordance with the provisions laid out in Item 3.2.1C of the Guidelines for the students to conduct research for their degree programme as trainees at ICAR institutions as notified vide Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised guidelines, if any, as may be issued from time to time.
- 4.5 A copy of the thesis/dissertation will be submitted to the First Party after the award of the degree by the Second party.

(Signature of First Party)

डॉ० आलोक कुमार श्रीवास्तव
निदेशक
भा.कृ.अनु.प.-राष्ट्रीय कृषि उपयोगी सूक्ष्मजीव ब्यूरो
कुसमीर, मऊ नाथ भंजन-275103 (उ०प्र०)
Dr. Alok Kumar Srivastava
Director
National Bureau of Agriculturally Important Microorganisms
Kusumbar, Mounath Bhangan, 2

(Signature of Second Party)



- 4.6 All questions related to this MoU arising during its term will be settled by the parties by mutual agreement. Disagreements at the operating level shall be forwarded to respective higher officials for appropriate resolution failing which an arbitrator of mutual acceptance may be identified for the settlement of dispute, if any.
- 4.7 All questions not foreseen related to this MoU will be handled by the parties by mutual agreement.
- 4.8 Nothing in this MoU is intended to affect other cooperation or collaborations between the parties.

Article 5. Intellectual Property Rights

- 5.1 The Second party will be expected to ensure protection of the Intellectual Property Rights generated or likely to be generated during the student's research work. The ICAR as the first applicant (for its institute) and the Second party shall be the joint applicants for IPRs and the students and involved scientific staff shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization' as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided in each case.

Article 6. Admission and Fees

- 6.1 All those who wish to register as trainees or for Master/Doctoral programme under this MoU must apply for admission at the Second party. The allocation of Major Guide/Advisor would be finalized before the registration and will be governed by the provisions laid out in Items 3.2.1A and 3.2.2A of the Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions as notified vide Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised Guidelines, if any, as may be issued from time to time, for the students from within NARS and outside NARS, respectively.
- 6.2 Admission of the students and the award of degrees for different programmes will be the responsibility of the Second party as per the rules and regulations.
- 6.3 Allotment of the students at the First party will be done by the approval of Director of the First party and Vice-Chancellor/Head of the Institution of the Second party.
- 6.4 The First party would have the right to screen the student's eligibility for admission based on their academic period.
- 6.5 The PME Cell of the First party in consultation with the representative of the Second party shall decide the location and sharing quantum of research work.

(Signature of First Party)

भा.कृ.अनु.प.-राष्ट्रीय कृषि उपयोगी सूक्ष्मजीव ब्यूरो
कुसमौर, मऊ नाथ भंजन-275103 (उ.प्र.)
Dr. Alok Kumar Srivastava
Director
ICAR-National Bureau of Agriculturally Important Microorganisms
Kushmaur, Maunath Bhanjan-275103 (U.P.)

(Signature of Second Party)



- 6.6 The number of student(s) at any particular time will be subjected to the availability of research facilities and scientists' time to guide thesis research at the First party institution.
- 6.7 Any student(s) admitted to the First party for training/postgraduate research, if found violating the rules and regulations laid down by the First party or indulge in such activities that amount to tarnishing the image of the Institute, or cause damage to the property, the registration of such student(s) would be summarily terminated. The Second party will not complete the formalities of issuing the certificates to such students until they compensate the losses to the First party.
- 6.8 Fees will be charged from the students by the First party as per Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions vide Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised Guidelines, if any, as may be issued from time to time. No fee may be charged by the First party from the students registered with AU/DU within NARS. However, a student registered with a Second party, outside NARS, will deposit fee of Rs. 10,000/- for training duration of 3 months (not leading to a degree/dissertation) and Rs. 30,000/- per semester (six months) for training, research, dissertation exceeding three months. Any change in fee structure by ICAR will be applicable from the date of revision and shall be charged by the First party.

Article 7. Entry into effect, modification and termination

- 7.1 This MoU shall become effective on the date it is signed by the parties and shall be valid for three years extendable up to five years. Both parties shall review the status of the MoU at the end of each three/five -year period to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent up to five years. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party initiating termination. Such notification must be given to the other party at least six months in advance from the effective date of termination.
- 7.2 All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms of this MoU.
- 7.3 No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modifications/changes shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

This MoU has been executed in two originals, one of which has been retained by the First party and the other by the Second party).

(Signature of First Party)

डॉ. आलोक कुमार श्रीवास्तव
निदेशक
भा.कृ.अनु.प.-राष्ट्रीय कृषि उपयोगी सूक्ष्मजीव ब्यूरो
कुसमीर, मऊ नाथ भंजन-275103 (उप्र.)
Dr. Alok Kumar Srivastava
Director
ICAR-National Bureau of Agriculturally Important Microorganisms
Kushnagar, Maunath Bhanjan-275103 (U.P.)

(Signature of Second Party)



IN WITNESS WHEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.

(Name and Address of the First Party)

Dr. Alok K. Srivastava
Director
ICAR-NBAIM, Kushmaur,
Mau, 275 103 (U.P.)
Email: director.nbaim@icar.gov.in
Tel No - 0547-2970727

Date

(Name and Address of the Second Party)

Prof. Dr. R. Elijah Blessing
Registrar
Karunya Institute of Technology and Sciences,
Karunya Nagar, Coimbatore - 641 114
Email: registrar@karunya.edu
Tel No.: 0422-2614321

Date : April 15, 2024

Signature with Seal

मा.क.अनु.प.-रा.कृ.उ.सू. ब्यूरो
कुसमौर, मऊ (उ.प्र.)
Dr. Alok Kumar Srivastava
Director
ICAR-National Bureau of Agriculturally Important Microorganisms
Kushmaur, Maunath Bhanjan-275103 (U.P.)

Signature with Seal

Dr. R. Elijah Blessing
Registrar,
Karunya Institute of Technology and Sciences
(Deemed to be University)
Karunya Nagar,
Coimbatore-641114

Witness 1



(DR. HILLOOL CHAKDAR)

Witness 1



Dr. Sajan Kurien
Dr. Sajan Kurien, M.Sc.(Hort.), Ph.D.,
Professor & Dean

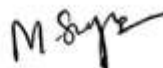
Witness 2



(PR. SHOBIT THAPA)

Witness 2

मा.क.अनु.प.-रा.कृ.उ.सू. ब्यूरो
कुसमौर, मऊ (उ.प्र.)
ICAR-NBAIM
Kushmaur, Mau (U.P.)



(M-SUBBUNA)

Division Head
(Soil Science)

Karunya Institute of Technology and Sciences
(Declared as Deemed to be University)
Karunya Nagar, Coimbatore - 641114

भारतीय गैर न्यायिक

दस रुपये
रु.10

TEN RUPEES
Rs.10

INDIA NON JUDICIAL

56AA 849313

19/2/24



J. J. JENDOR
STY. J. J. JENDOR SANY STREET.
208B, 1A, ALANDURAI,
POOJAN, ALANDURAI,
COIMBATORE, TAMIL NADU.
L.No. : 49/E1/2021 - 42



This **LETTER OF COOPERATION** is intended to be made this 15th day of April, 2024, between Karunya Institute of Technology and Sciences (Deemed-to-be-University), having its office at Karunya Nagar, Coimbatore – 641114, South India and represented by its Registrar Dr. R. Elijah Blessing, (hereinafter referred to as **KITS**), (which expression unless repugnant to the context and meaning shall mean and include his assigns, legal representative, nominee, successor in office, administrator, executor, etc.) of the ONE PART,

and

M/s TMI SYSTEMS, having its office at No. 1027, 4th 'M' Block, Dr.Rajkumar Road, Rajajinagar, Bengaluru - 560 010 represented by its Manager, Mr. S.Kumar, (Biomedical Application;T&M) S.Kumar (hereinafter referred as "TMI"), (which expression unless repugnant to the context and meaning shall mean and include his assigns, legal representative, nominee, successor in office, administrator, executor, etc.) of the OTHER PART.



S. Kumar

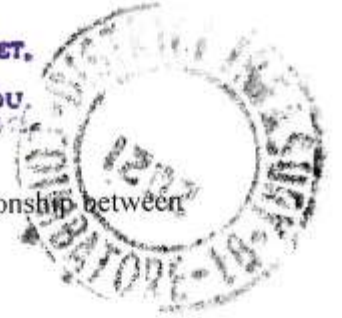


தமிழ்நாடு TAMIL NADU

56AA 849314



19/2/24
J. DEEPA
STAMP VENDOR
20N(1), LAKSHMI NARAYANA SAMY STREET,
POOLUVAPATTI, ALANDURAI,
COIMBATORE - 641101-TAMIL NADU
L-No: 928/B1/2021 - 4



Solely with a view to provide a platform to build a strong and on- going relationship between both parties.

OBJECTIVES

To augment this common goal and objective both parties agree to establish a JOINT WORKING GROUP for coordination. Both parties shall ensure that the JOINT WORKING GROUP comprises of appropriate personnel representing either party to discuss and implement the measures envisaged in this letter of cooperation.

The primary goals are mentioned below

To develop and foster strategic linkages with Department of Biomedical Engineering, and the technical team of TMI .

To assist the students of KITS and enhance their knowledge about the latest technologies in which Research is involved.

To understand the needs and expectations of both the KITS and the TMI and to identify the measures required to meet above objectives.



S. Kumar

To give valuable inputs to suitably customize the training methodology so that the students fit into the industrial scenario meaningfully.

On behalf of KITS the respective HOD and the designated Faculty coordinator and on behalf of TMI SYSTEMS the designated Director of the company would deliberate the coordinated and systematic activities, in a mutual beneficial manner, in the interest of the students and faculty of KITS in particular, and in the mutual interest of both KITS and TMI at large.

It is agreed and understood between the parties that both parties shall take all reasonable steps to cooperate and ensure successful implementation of all the activities envisaged in this letter of cooperation.

MECHANISMS FOR COOPERATION

The “**Joint Working Group**” will implement, administer and execute the following activities to achieve the objectives like.

Technical Presentations and Talks

TMI will provide its speakers to participate and deliver technical presentations and talks on topics that are jointly decided by Department and TMI.

Participation in Technical Events and Symposiums

TMI and the KITS will jointly participate in technical events and symposiums at KITS. The final decision will be taken on a case to case basis after review and discussion between the TMI and the KITS.

Guest Lectures for Students

TMI proposes to participate in providing guest lectures relevant to the syllabus subjects where industry inputs are desirable.

Placement of Competent Students

Joint working group of TMI will endeavor to assist in the placement of toppers and competent students of final year which will be need based and demand driven.

Providing Internships to Students

TMI SYSTEMS will support technical competence in students by providing internships to students during vacations as recommended by the joint working group of TMI and the KITS

Industry Institute Interaction

TMI would propose an advisory service and participation for a robust industry interaction. These may include facilitation of R & D in Biomedical Engineering. TMI would provide advisory service to Biomedical Engineering department to facilitate the faculty to pursue research in areas relevant to industry and in bringing in collaborative / sponsored research projects to the department.



S. Kumar

Confidentiality

Either party guarantees and acknowledges that all information whether in writing or oral or otherwise obtained from other party under this Letter of Cooperation would be kept strictly confidential during the tenure of the Letter of Cooperation or after its cessation for a period of 2 years and either party shall not divulge, disclose or impart such confidential informations to any third person/organization.

Miscellaneous

However it is understood and agreed between the parties that this letter of cooperation is a non-binding one and more particularly does not impose any legal or financial commitments between the parties.

It is agreed and understood between the parties that this joint deliberation, pursuant to this letter of cooperation, is at will and shall be valid for a period of 1 (one) year and may be called off by either party on any day, by giving a month's notice to the other party, prior to the appointed date of withdrawal. However this letter of cooperation may be renewed for further term, with mutual consent.

Neither party hereunder shall be liable for any consequential loss or damages arising out of the performance of obligations under the terms of this Letter of Cooperation.

For and on behalf of
Karunya Institute of Technology & Sciences,


Prof. Dr. R. Elijah Blessing,
Registrar,
Karunya Institute of Technology & Sciences,
Karunya Nagar, Coimbatore, Tamil Nadu
641114.

Dr. R. Elijah Blessing
Registrar,
Karunya Institute of Technology and Sciences
(Deemed to be University)
Karunya Nagar,
Coimbatore-641114



For and on behalf of
TMI SYSTEMS


Mr. S. Kumar,
Manager – Biomedical Application; T&M
No. 1027, 4th 'M' Block, Dr. Rajkumar Road,
Rajaji Nagar, Bengaluru – 560 010



Our New Address

TMI SYSTEMS
6&7, 1st Floor, ISICOS Building,
West of Chord Road, Industrial Town,
Rajajinagar, Bengaluru- 560010

