SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution| Approved by AICTE| Affiliated to Anna University
Kuniamuthur, Coimbatore - 641008

17.2.3 - International collaboration on gathering or measuring data for the SDGs



List of International collaboration

S.No	Event	Date	SDG
1	KYOONPOK NATIONAL UNIVERSITY, KOREA	04.08.2022	SDG 4, SDG 17



தமிழ்நாடு तमिलनाडु TAMIL NADU 01AC 889225

30.7.2022 Sri Krishna College of Engineering & Tech Coimbatore

K. பிரபாகரன்
முத்திரைத்தாள் விற்பனையாளர்
L.No: 7323 / B1 / 2008 / 37
16/147, அன்னபிள்ளை கோவில் வீதி,
காந்தி பூங்கா, மதுக்கரை,
கோயமுத்தூர் - 641105.

Memorandum of Understanding

Between

Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, INDIA.

and

Connected Computing and Media Processing Lab

Kyungpook National University, #80Dae-hakro, Buk-gu, Daegu, SOUTH KOREA.

This agreement made on 04th August 2022 between M/s. **Connected Computing and Media Processing Lab** hereinafter called the party of the first part represented by its Founder & CEO, Dr. Anand Paul, Director, Kyungpook National University, #80Dae-hakro, Buk–gu, Daegu, South Korea.

Sri Krishna College of Engineering and Technology, Kuniamuthur, Coimbatore-641 008, Tamil Nadu, hereinafter called the party of the second part represented by Head of the Department of Mechatronics Engineering, Dr.M.Lydia, Coimbatore – 641008.

SKCET has topped in Educational Services by offering technology-based Education and has marched towards the pinnacle of glory through its remarkable achievements in the field of Engineering Education since its establishment in 1998. The Department of Mechatronics Engineering established in 2000 has been engaged in numerous academic and research endeavors.It has been the pioneer in introducing several courses to match the demands of the current advancements in technology. Through the years, the department has evolved into a strong academic and research contributor in different domains of mechatronics. The department is equipped with well qualified faculty members and state of the art laboratories. The department ensures expertise in latest technologies by encouraging faculty training and participation in seminars, workshops and conferences. The department is committed to encourage and mentor the students to participate in technical events and inter-collegiate competitions. It focuses on Industry based curriculum and periodic revision of curriculum with latest technologies. Apart from offering industry ready and cutting-edge curriculum, the department focuses on the wholesome development of the students. The students are encouraged to be a part of the professional bodies like IEEE Robotics and Automation Society, Robotic Society of India. The Department has strong collaboration with industries, Research Labs and International Universities. The Department is committed to offer world class education in the fields of Robotics and Automation.

Kyungpook National University Connected Computing and Media Processing Lab hereinafter referred to as **CCMP Lab** research mission is to identify, persuade and evaluate pioneering technologies that address current and future challenges of M2M and Big Data. Furthermore, the aim of this MoU is to developthe future for M2M and Big Data technologies that provide solution for sharing information among connected machines. The core challenges include data security, data communication, data acquisition, data analysis and data storing. The lab also focuses on improving the performance of big data analytics systems in particular for business intelligence through efficient parallel computing methods for multicore processors, GPUs, Processor clusters and clouds. **CCMP Lab** which expression unless repugnant to the context shall mean and include its successor in office, administrators and assigns represented by its Director Dr. Anand Paul the sole proprietor of the OTHER PART.

Article 1

The objective of this MoU is to establish a basic framework for conducting cooperative activities and to provide a mechanism for scientific and technical cooperation that is benefit to both sides **SKCET** and **CCMP Lab**. The MoU is to conduct mutually beneficial cooperative activities within the scope and expertise of the above Institutions and the resources shall be shared fairly and equitably. Ownership and management of any intellectual property developed in relation to a project or projects under this MoU, or any standards for data management and

protocols for data sharing are to be dealt with in the management agreement or other contractual arrangement. Such cooperation is expected to result in a collaborative expansion of the scope and expertise of each Institution and enhanced exchange of scientific and technical knowledge between both the Institutions. The scope of the cooperative activities between the **SKCET** and **CCMPLab** shall primarily consists of the following:

- Joint Venture and Publications
- Joint Workshop/Seminar/Conference/Training
- Exchange of Technical information
- Exchange of Research scholars
- Exchange of faculty members for a short or long period of time
- Cooperation in developing new projects and organization of joint research and constant activities

Article 2

This MoU is non- binding, and each cooperative activity shall be discussed in detail and consists of statement of purpose and information on the duration, cost, and other necessary terms of international cooperative activities between **SKCET** and **CCMPLab.**

Area of Specification

The objective of this MoU is on three main aspects specifically focusing on, Internet of Robotic Things (IoRT), AI for Robotics and Cloud Robotics.IoRT is the amalgamation of robotic system with IoT technologies. The application of AI based techniques in robotic navigation and in other areas will also be considered. Cloud robotics and automation have been a game changer in the field of robotics. Robots can offload complicated and computationally complex tasks such as image recognition, graphical mapping systems etc. and download new updates and skills. Hence implementation of such cloud computing concepts will revolutionize robotic applications.

Article 3

This MoU is valid for 5 years from the date of signing and will be renewed for a further period on mutually agreed terms and conditions.

Financial Commitments

The financial arrangements to cover expenses for the cooperative activities undertaken within the framework of this MoU shall be mutually agreed upon by the respective parties on a case-by-case basis subject to the availability of funds and resources. This MoU does not constitute any obligation of funds by either party.

Confidentiality

The parties hereby agree not to disclose any terms of this agreement without the prior written consent of the other party unless and to the extent such disclosure is required by law or any relevant regulatory authority.

Maintenance

The use of computers, research facilities and equipment in robotic and IoT laboratories is mutually to be maintained and to be assisted for synchronization of activities.

Research Findings

The support towards organization of joint research, development and design projects, science and technology conferences, symposia and seminars and any other areas of cooperation in the field of science and technology is to be mutually agreed upon by the parties.

Dispute Resolution

Any dispute concerning the subject matter of this document is to be settled by full and frank discussion and negotiation between the parties and will not be referred to any National or International tribunal or any other third party for settlement.

Article 4

This agreement is prepared to two parts and both the parties shall retain each one of the same. The MoU shall be effective from the date of signing by the parties. This MoU is executed on 4th August 2022.

For Sri Krishna College of Engineering and Technology, Coimbatore – 641008 Tamil Nadu, INDIA Name: Dr. M. Lydia Designation: Professor and Head, Department of Mechatronics Engineering, Coimbatore – 641 008	For Connected Computing and Media Processing Lab, Kyungpook National University, #80, Dae-hakro, Buk-gu, Daegu - 702 – 701, SOUTH KOREA. Name: Dr. Anand Paul, Designation: Director, Connected Computing and Media Processing Lab, Kyungpook National University, #80, Dae-hakro, Buk-gu, Daegu - 702 – 701 South Korea

(Dr T A Selvan)

(Dr. D. PRITIMA)