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Date 02.08.24

## MEMORANDUM OF UNDERSTANDING (MOU)



ISPTEC

### AGREEMENT FOR SCIENTIFIC COORDINATION IN RESEARCH BETWEEN

THE INSTITUTO SUPERIOR POLITÉCNICO DE TECNOLOGIAS E  
CIÊNCIAS (ISPTEC), LUANDA, ANGOLA

AND

AMITY UNIVERSITY HARYANA (AUH), PANCHGAON-MANESAR-  
GURGRAM 122413, HARYANA, INDIA

#### 1. Introduction

The (ISPTEC) Instituto Superior Politécnico de Tecnologias e Ciências (Higher Polytechnic Institute of Technologies and Sciences) is one of the institutions included in U-Multirank for Angola. The ISPTEC is a midsize private Higher Institute located in Luanda and founded in 2012. With regard to the scope of its subjects and degree programs offered, the Higher Polytechnic Institute of Technologies and Sciences (hereafter referred as ISPTEC) is a specialized institution. ISPTEC is the strongest in Regional Engagement. Its overall profile shows top performance across various indicators, with 3 'A' (very good) scores overall.

Whereas Amity Universities and Institutions are established under the States Act and recognized by University Grants Commission (UGC) under Section 2F of UGC Act of 1956. They are part of Amity Education Group (AEG) which has been sponsored and promoted by Ritnand Balved Education Foundation (RBEF) which has over 1,75,000 students studying across over 1300 acres of hi-tech campuses. Today, AEG has 13 Universities and 17 global campuses located in London, Dubai, New York, Singapore, Mauritius, China, Abu Dhabi, South Africa, Amsterdam, Romania, Paris, Seattle, Sharjah, Nairobi, Tashkent, and San Francisco. More than 1420 patents are files and Faculty has 300+ collaborative funded projects from Government, Industry, and International Agencies.

#### 2. AGREEMENT FOR RESEARCH AND EDUCATIONAL COLLABORATION

**Objective:** Investigate Physicochemical and Transport Characteristics of Aerosol Pollutants over Different Environments in Angola (Coastal) and Pachgaon (Rural)

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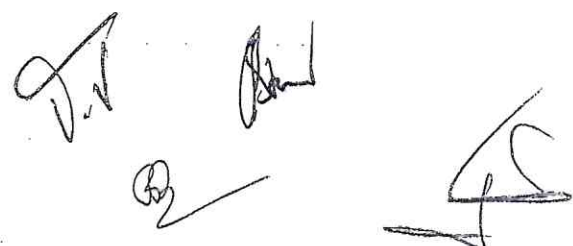
Both the Institutions have agreed to extend all possible help with regard to working in close collaboration and sharing of expertise from time to time. Both Institutions have entered into this MOU with a common objective to pursuit academic excellence and nation building through sustainability and enabling circular economy. Other works and services include:

- (i) To plan and execute joint research, capacity building, and consultancy projects in the field of Environmental Health.
- (ii) To conduct research in the gap areas and bring our publications and report.
- (iii) To organize seminars and Conferences on emerging issues in the area of Environmental/Atmospheric Sciences.
- (iv) Exchange of Faculty and Research Fellows and sharing training resources including online/offline modules
- (v) To take up joint supervision of Research Projects/Dissertation/Internship project works of students of both Institutions.

### 3. AREAS FOR COLLABORATION

The AUH and ISPTEC will endeavor to enhance research and academic activities by supporting the other Institution's efforts principle of respecting mutual autonomy. In particular both Institutions will contribute to the development of integrated monitoring, diagnosis, and modelling systems for effective environmental pollution assessment and applied research at regional, national, and continental scale. The areas for collaboration between the two Institutions include:

- (i) Concurrent monitoring of physical, chemical, and radiative properties of characteristic pollutants originating from different sources
- (ii) Influence of meteorological parameters on spatio-temporal variations in particulate matter
- (iii) Transport characteristics and teleconnections between the emissions observed over the two contrasting study regions.
- (iv) Identification of significant sources and suggestions for possible mitigation methods.
- (v) 3-D simulation of chemical and transport phenomena in the atmospheric boundary layer
- (vi) Evaluation of impact of air pollution on health and climate.
- (vii) Mapping of pollutants during different episodic situations (dust storms, constructional/demolition, oil factories/refineries etc.) and their impacts on environmental health.

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The Institutions will agree to the reciprocal exchange of scientists and Ph.D. students for study visits, research, conferences, and will favor the exchange of scientific experience and knowledge.

#### 4. TERMS OF THE AGREEMENT

- (i) This MOU will enter into force and will have a duration of 5 years (60 months) from the date of its signature. It may be renewed by mutual written agreement, (for as long as the parties mutually agree).
- (ii) Amendments and additions may be made to the MOU subject to the written consent from competitive authorities from both Institutions.

Signed and executed on this day      of March 2024 as a sign of acceptance of the terms and conditions mentioned therein.



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Amity University Haryana, Gurgaon



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