



Koneru Lakshmaiah Education Foundation

(Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

◆ Recognised as Category 1 University by UGC ◆ Approved by AICTE ◆ ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

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Department of Computer Science and Engineering (CSE)

Subject: One-day Guest-Lecture on “Paradigm Shift Towards Quantum Computing”
by the computer Science And Engineering

Organizer: computer Science And Engineering, KLEF

Event Title: One-day Guest-Lecture on “Paradigm Shift Towards
Quantum Computing

Dates: 06th December 2025

Time: 11:00 AM to 12:30 PM

Venue: New Seminar Hall

Target Audience: Faculty of KLEF college

- CSE
- CS&IT
- AI&DS
- EL&GE
- IR&D
- MDI&E

Overview: The Department of computer Science And Engineering organized a One-day Guest-Lecture titled “Paradigm Shift Towards Quantum Computing” to provide participants with practical skills and advanced techniques in the domain of Quantum Computing. This initiative was aimed at enhancing the students' competencies in the field of Research.

Resource Person: Mr. Socrates Nelson, Former Director of Quality, *Precision Biologics*, Halifax, Nova Scotia, Canada (a veteran with 35 Years of Industry Experience)

As an experienced professional in the field of Reserch, Mr. Socrates Nelson brought invaluable insights and expertise to the participants, enriching their learning experience.

Objective: The workshop aimed to:

1. Equip Faculty and students with practical skills in identifying and mitigating potential Quantum Computing Research.
2. Provide advanced techniques in Quantum computations.
3. Strengthen the University's Research activities.

Activities Conducted: The Guest Lecture covered various aspects as:

- Qubits: Quantum bits, the fundamental unit.
- Superposition: Qubits existing as 0, 1, or both (like a spinning coin).
- Entanglement: Qubits linked, affecting each other instantly, regardless of distance.
- Quantum Gates & Circuits: Analogous to classical logic gates, but for qubits
-

Outcome: Participants gained:

- knowledge on various funding agencies and challenges.
- An understanding of the practical challenges and solutions in Quantum Computing.

Feedback: The workshop received overwhelmingly positive feedback from participants, who appreciated the practical orientation and depth of knowledge shared by the resource person. Faculty expressed confidence in applying the skills learned in real-world scenarios.

Conclusion: The Department of computer Science And Engineering successfully conducted the “Paradigm Shift Towards Quantum Computing” workshop, contributing significantly to the professional development of Faculty in the domain of Research and funding. This aligns with KLEF’s commitment to fostering technical excellence and industry readiness among its students.



Computer
Science &
Engineering

CATEGORY 1
UNIVERSITY
BY THE GOVT OF KERALA
45 YEARS OF
EDUCATIONAL
EXCELLENCE
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2025
NATIONAL
INSTITUTIONAL
RANKING
RANKED 26
AMONG ALL
UNIVERSITIES



International
Relations



Guest Lecture on

Unveiling the Mysteries of **QUANTUM PHYSICS**

(PARADIGM SHIFT TOWARDS)

QUANTUM COMPUTING

6TH DEC 2025 | 11:00 AM | @ New Seminar Hall

Convenor

Dr.T.Pavan kumar,
Head of the Department, CSE-4
Department of CSE

Co- Convenor

Dr. PVRD Prasada Rao,
Deputy Director, IR
Professor, Department of CSE

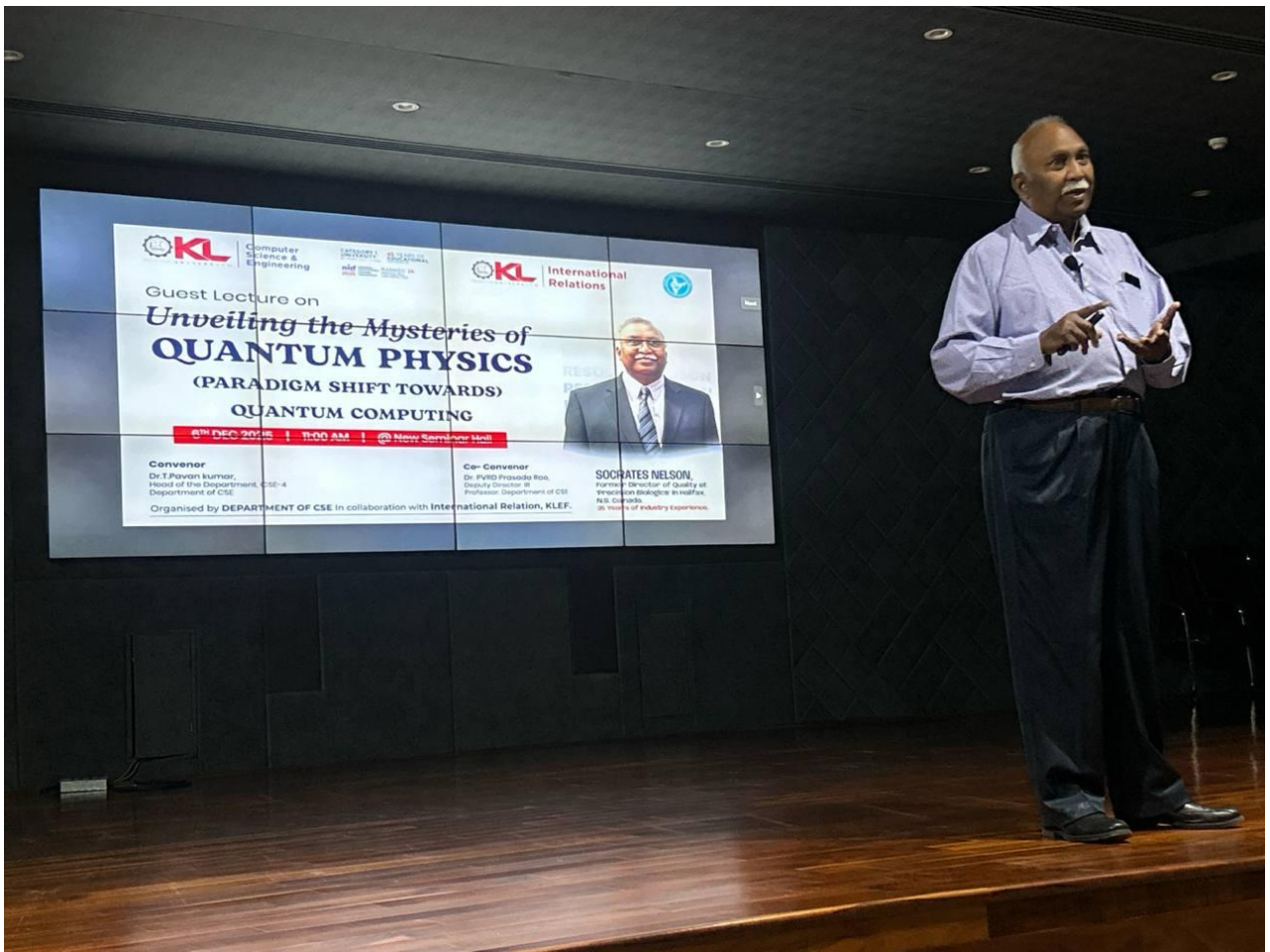
Organised by **DEPARTMENT OF CSE** In collaboration with **International Relation, KLEF.**



SOCRATES NELSON,

Former Director of Quality at
'Precision Biologics' in Halifax,
N.S. Canada.

35 Years of Industry Experience.



Prepared by:
Mr. Subba Rao Maram
Assistant Professor
Department of Computer Science and Engineering
KL University-Vadeswaram-Gunturu.

**Foreign Expert Guest Lecture - Paradigm Shift Towards Quantum Computing –
Communication
- Reg.**

From Registrar Office <officeofregistrar@kluniversity.in>

Date Fri 12/5/2025 10:59 AM

To S.Hrushikesava Raju <hkesavaraju@kluniversity.in>; Dr.JYOTHI N.M <jyothiarunkr@kluniversity.in>; Dr.Kamasai.SVM <drksaisv@kluniversity.in>; Dr.Suryakanth V Gangashetty <svg@kluniversity.in>; Dr.ARAVINDHAN ALAGARSAMY <drarvindhan@kluniversity.in>; S.Hari Krishna <sharikrishna@kluniversity.in>; Dr.R.Kanimozhi <drkanimozhi@kluniversity.in>; Subhash Yalavarthy <ysubhash@kluniversity.in>; Dr.Nilu Singh <drnilusingh@kluniversity.in>; Dr.P.Ithaya Rani <drpithayarani@kluniversity.in>; Ratna Kanth Nelapati <nratnakanth@kluniversity.in>; Dr.Shaik Hasane Ahammad <drshaikhasane@kluniversity.in>; Amareswarapu Venkata Surendra <avsurendra@kluniversity.in>; Dr.Batta Umamaheswara Rao <drbumamaheswararao@kluniversity.in>; Twinkle Dasari <dtwinkle@kluniversity.in>; Dr Bhagavan Konduri <bhagavan@kluniversity.in>; Dr.GUNNA VENKATESWARLU <drgvenkateswarlu@kluniversity.in>; Dr.MNV Kiranbabu <mnvkiranbabu@kluniversity.in>; Dr. K RAJESH KUMAR <krrajesh99@kluniversity.in>; PANGULURI MOUNICA <pangulurimounica@kluniversity.in>

Ref: KLEF/RO/Foreign Guest Lecture/2025-26

Dt. 05-12-2025

Orders of the Hon'ble Vice-Chancellor dt. 05-12-2025

CIRCULAR

Sub: Foreign Expert Guest Lecture - Paradigm Shift Towards Quantum Computing – Communication - Reg.

Ref: Letter received from Dr. T. Pavan Kumar, HoD-CSE-4 and forwarded by Dr. V. Rajesh, Principal-College of Engineering.

This is to inform that a **Foreign Expert Guest Lecture** is being organised with a theme: “Unveiling the Mysteries of Quantum Physics (Paradigm Shift Towards Quantum Computing)” by Department of Computer Science & Engineering, in association with the International Relations Office, as detailed below:

Date: 6th December 2025
Time: 11.00 AM
Venue: New Seminar Hall, KLEF

This is for the students of Post Graduation in the departments of Computer Sciences and Engineering, Physics and Chemistry.

Resource Person: Mr. Socrates Nelson, Former Director of Quality, *Precision Biologics*, Halifax, Nova Scotia, Canada (a veteran with 35 Years of Industry Experience)

All eligible students are directed to attend the session and gain exposure to emerging technologies in Quantum Physics and Quantum Computing.

Mail & Hard copy to: Hon'ble
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Vice-Presidents, KLEF

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Chancellor Mail & Hard copy to:
Hon'ble Vice-Chancellor Mail & Hard
copy to: Pro Vice-Chancellors

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Jagadeesh Mail to: Special Officer -Dr.A.
Vani

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A.Krishna Rao / AR-Dr.MVAL Narasimha Rao

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Mail to: Chief Technical Officer (CTO)-Mr.A.Satya Kalyan

Mr. Raja Sekhar, Emp. No. 2482, Jr. Network Administrator (E-mail:
rajasekhar_syte@kluniversity.in)

Mail to: Professor In-charge, EduTech, Animation-Dr. M. Siva Kumar,Assoc.

Professor,ECE Mail to: Chief Coordinating Officer

Director, KL College of
Agriculture HoD, KL College
of Agriculture

All Faculty members of Vaddeswaram
campus All Research Scholars of
Vaddeswaram campus

All PG Students of Department of CSE, Physics and Chemistry of Vaddeswaram campus

Thanks & Regards



O/o REGISTRAR

C-006, EXTN. NO. 1200

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