



Two-Day Awareness Session on Quantum Science and Technology

IN ASSOCIATION WITH



Organized by
Department of Computer Science and Engineering
University College of Engineering Kakinada (A)
JNTUK Kakinada, Andhra Pradesh - 533003

 1979-83 Alumni Auditorium, JNTUK | 26-27 April 2025

For further details and Registration, visit
www.jntuk.edu.in

Aiming to enhance the awareness, current status and future prospects of Quantum Computing, it is scheduled to be conducted a 2-day Awareness Session on Quantum Science & Technology in association with [QETCI](#) and NQM on 26th and 27th April 2025 at JNTUK, Kakinada.

Expected outcomes:

1. Some level of awareness on Quantum, Quantum related curriculum, market and job and research opportunities, amongst the people who attend
2. Develop Champions for Quantum to further the cause of Quantum education within their own colleges, universities
3. Provide some insights into the effort, cost and preparation required to kick start quantum education
4. List out all possible courses and formats – Minor, Certification etc
5. Understand the current level of awareness amongst the group, so that faculty development program can be designed accordingly
7. Better understanding of the technical strengths and kind of lab availability across the Institutes in Andhra Pradesh .
8. Setup some context for labs that will accompany the courses (very high level, details can be shared during FDP)

Topics to be delivered:

Opening Perspectives: Setting the Context

Chief Guest Address

Introduction to Quantum Science and Technology

National Quantum Mission– India's Path to Quantum Leadership

Quantum Valley of Andhra Pradesh: Vision, Roadmap, and Opportunities

Quantum Ecosystem: Global Trends and Indian Landscape

Panes Sessions - Post-Secondary Quantum Education in India – Degrees, Outcomes & Faculty Development

Quantum Labs in India

Real-world Applications of Quantum

Panel Discussion: Quantum Skill Requirements

Quantum Science and Technology Demos - QNu Labs, C-DAC, C-DOT, TCS and more

Resource Persons: Eminent people from Industry and Academia (Following is the tentative list)

Dr. J. B. V. Reddy, Head of the Quantum Technology Cell, Department of Science and Technology, Government of India

Prof. Arun Pati, Director RnD, Synergy Quantum

Reena Dayal, Founder and CEO, QETCI

Shantanu Sharma, Senior Policy Researcher, QETCI

Prof. Arindam Ghosh, Department of Physics, IISc Bangalore

Dr. Emmanuel Pilli, Dept. of Computer Science and Engineering, MNIT Jaipur

Dr. Sunil Gupta, CEO and Co-founder, QNu Labs

Dr. Arka Mukherjee, scientist 'E' and Team Leader, QKD Hardware, CDOT

Syamasundar Santosh Kumar Gopasana, Quantum and AI Tech Innovation, Accenture India and Quantum Industry Fellow, WEF

Vidyut Navelkar, Head, Quantum Computing Strategy and Consulting, TCS

Dr. Indranil Chakrabarty, IIIT Hyderabad

Dr. Abhishek Tiwari, Scientist E and Joint Director, C-DAC

Registration Fee, as follows:

1. For JNTUK affiliated / Constituent Colleges : **Free for TWO Participants** (Sponsorship Letter from the Head of Institution need to submit)
2. Faculty of other colleges - Rs. 2,000/-
3. Participants from Industry - Rs. 5,000/-

Coordinators:

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