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04 March, 2025

Subject:- Quantum Quest - Awareness Initiative at IIT Kanpur during March 22nd - 23rd, 2025

Dear Directors,

We are pleased to inform you that Mission Coordination Cell-IIT Kanpur is organizing the first flagship awareness initiative “**Quantum Quest**”, on **quantum science and technologies** at **IIT Kanpur** on **March 22nd to 23rd, 2025** under the aegis of National Quantum Mission (NQM).

Aim of Quantum Quest is to inspire young minds, foster innovation, and strengthen India's quantum ecosystem by bringing together academicians, industry experts, researchers and students on a common platform.

There will be engaging sessions aligned with National Quantum Mission verticals: Quantum Computing, Quantum Communication, Quantum Sensing & Metrology, and Quantum Materials & Devices. We are inviting academicians, researchers and masters students across the country to be part of this event.

The event will feature:

- * Keynote speeches by distinguished experts
- * Invited talks by leading academicians, industry professionals
- * Oral and Poster presentations & technology demonstrations by research scholars/students

Key expected outcomes:

- * Knowledge for audience from leaders in quantum technologies
- * Generation of new R&D and innovation ideas
- * Networking among academicians, industry professionals, policy makers and young researchers
- * Awards for outstanding oral & poster presentations to encourage young minds

Registration Link & More Details: <https://quantumquest.iitk.ac.in/>

Registration deadline: **15th March, 2025**

You are requested to Join the event for the enlightening sessions, participate in networking, and encourage students to be part of this inspiring event.

Best Wishes,

(Neelam Srivastava)

Copy to:

- (1) Registrar, AKTU, Lucknow
- (2) Finance Officer, AKTU, Lucknow
- (3) Staff Officer to Hon' Vice Chancellor for kind information

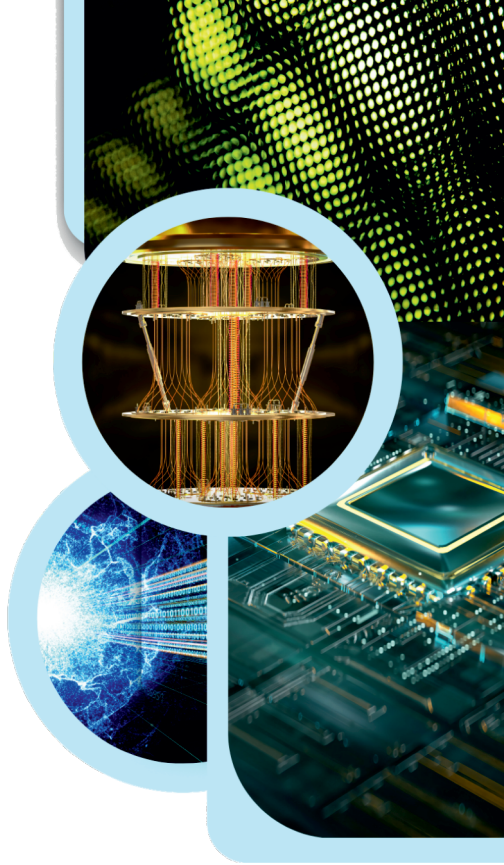
(Neelam Srivastava)



Quantum Quest

Awareness Initiative by
Mission Coordination Cell, IIT Kanpur
under

**NATIONAL QUANTUM
MISSION**



About National Quantum Mission

National Quantum Mission (NQM) is India's flagship initiative to propel the Nation to the forefront of quantum science and technology. Launched by the Department of Science and Technology (DST), the mission is designed to accelerate research, innovation, and industrial applications in quantum computing, quantum communication, quantum sensing & metrology, and quantum materials & devices.

Approved by the Union Cabinet on April 19, 2023, with a budget of ₹6003.65 crore (2023-24 to 2030-31), the mission aims to seed, nurture, and scale up India's quantum ecosystem, fostering cutting-edge R&D and industrial advancements.

About Mission Verticals

- Quantum Computing
- Quantum Communication
- Quantum Sensing & Metrology
- Quantum Materials & Devices

About IIT Kanpur

The Indian Institute of Technology, Kanpur, established in 1959, holds the distinction of being recognized as an Institute of National Importance by the Government of India through an Act of Parliament. Renowned for its excellence in science and engineering education, IIT Kanpur has made significant contributions to research and development over the decades. Its expansive, lush green campus spans 1,050 acres and hosts a rich array of academic and research resources. The institute comprises 19 departments, 26 centres, three interdisciplinary programs, and two specialized schools across engineering, science, design, humanities, and management disciplines. With over 590 full-time faculty members and more than 9,500 students, IIT Kanpur continues to be a leader in fostering innovation and academic rigor.

About Mission Coordination Cell (National Quantum Mission)

National Quantum Mission (NQM) is a large-scale mission with aim to develop indigenous quantum capabilities in the country. On completion of this mission, we expect to be in the front row of the countries having quantum advantage.

The Department of Science and Technology (DST) is implementing this mission with the funding from Govt. of India. NQM-MCC has been setup at IIT Kanpur with its main office at IIT Kanpur's Outreach Centre at Noida for effective coordination with Mission Secretariat at DST. The MCC will not only facilitate connection of Technical Hubs (T-Hubs), which have been established in four verticals of NQM, with ministries, national agencies, industries, subject matter experts, and other stakeholders for deployment and transfer of quantum technology products, but it will also connect NQM with other national initiatives like Digital India, Make in India, Skill India, Start-up India, Self-Reliant India, and Missions like National Mission on Interdisciplinary Cyber Physical Systems (NM-ICPS) and National Super Computing Mission (NSCM). With effective communication and discussion about the mission activities and progresses with DST and Mission Technology Research Council (MTRC), MCC at IIT Kanpur aims to facilitate coordination required at all levels to ensure National Quantum Mission's success.

About Quantum Quest

Quantum Quest aims to inspire young minds, foster innovation, and strengthen India's quantum ecosystem by bringing together academicians, industry experts, researchers and students on a common platform.

Objective of Collaboration

The outreach initiative aims to raise awareness, generate interest, and build capacity in quantum science and technology among students, researchers, industry professionals, and the public across India.

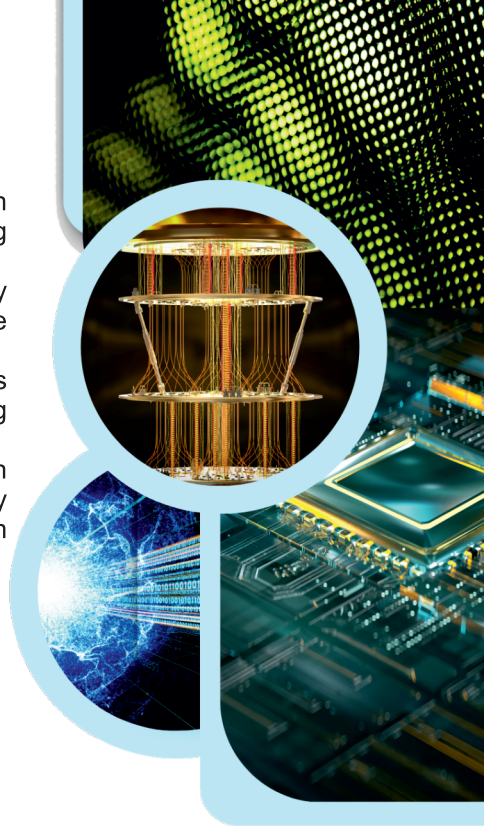
The program will align with the objectives of the National Quantum Mission (NQM) by fostering a robust quantum ecosystem through education and collaboration.

Collaboration Scopes

- Organize public lectures, workshops, and hands-on training sessions for students and educators.
- Develop educational resources and interactive programs to enhance quantum technology-related education.
- Conduct science fairs, exhibitions, and school/university visits to showcase research advancements in quantum technologies
- Conduct faculty training programs in cutting-edge quantum technologies
- Engage in mentorship programs for aspiring students in quantum science & technologies

Expected Outcomes

- Increased awareness and literacy in quantum technologies among students and professionals.
- Strengthened research and industry collaborations leading to innovative quantum applications.
- A pipeline of skilled professionals prepared for India's growing quantum industry.
- Enhanced public participation in science and technology policy discussions related to quantum advancements.



Quantum Quest

Mission Coordination Cell, IIT Kanpur



Contact Us



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<https://quantumquest.iitk.ac.in/>

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