



## About NIT Calicut

National Institute of Technology Calicut (NITC), established in 1961, is one of the premier national institutions for technical education in India. NITC is an academically autonomous Institute of National Importance, fully funded by the Government of India. The status of Institute of National Importance was given to NITC by Act 29 of the parliament, namely, the National Institute of Technology Act 2007, for imparting high-standard technical education to students from all over the country. The President of India is the visitor to the Institute under the Act. The governance structure includes the national council for NITs as the apex policy-making body, while the Institute's governance is vested with a Board of Governors. The institute's senate is the authority in academic matters. The Chairman of the Board of Governors is nominated by the visitor. Currently, NITC has 15 departments and 17 multidisciplinary centres. The Department of Physics was established in 2009.

## About the Department

The Department of Physics in NITC is emerging as a major centre for teaching and research in fundamental and applied physics, and technology, with a dynamic team of faculty members, technical staff, research scholars and students. In addition to the Bachelor's and Master's programmes (B. Tech. Engineering Physics and M. Sc. Physics), the department has an active and vibrant research programme in experimental, theoretical and computational physics, supported by several externally funded projects.

Currently, the department hosts 24 regular faculty members, one INSPIRE faculty, two post-doctoral researchers, 1 DST Women Scientist, 40 research scholars, 4 non-teaching staff and more than 200 students. The Department of Physics is expected to contribute significantly to higher education and research in the country. The academic programmes are designed within the department's philosophy of adopting world-class quality in all its functioning.



# Workshop on TRENDS IN QUANTUM PHYSICS: PAST, PRESENT AND FUTURE

## CELEBRATING 100 YEARS OF QUANTUM MECHANICS

**18th - 20th September, 2025**

Organized by

Department of Physics,  
National Institute of Technology Calicut,  
Kozhikode – 673601



Sponsored By

अनुसंधान नेशनल रिसर्च फाउंडेशन  
Anusandhan National Research Foundation



# Programme Objective

The participants will be given an overview of the latest trends and developments in quantum physics from eminent researchers in the field. Lectures are planned at a pedagogical level to give a bird's eye view of the subject with the following objectives:

- Recollect and reassess the foundations and history of quantum theory.
- Expose young researchers to the latest advancements in quantum information theory and open quantum systems.
- Explore the applications of quantum theory across various domains, such as condensed matter.
- Outline computational techniques in quantum mechanics to the participants.

# Topics to be Covered

This programme will cover the following topics:

- Quantum Mechanics – History and Foundations
- Quantum Information Theory
- Open Quantum Systems
- Quantum Condensed Matter
- Computational Approaches to Quantum Mechanics

# Resource Persons



**Dr. T. R. Govindarajan**  
IMSc Chennai and Krea University



**Dr. R. Shankar**  
IMSc Chennai



**Dr. Sibasish Ghosh**  
IMSc Chennai



**Dr. Govind S. Krishnaswami**  
CMI Chennai



**Dr. Uma Divakaran**  
IIT Palakkad



**Dr. Parameswaran P**  
NIT Calicut

# Contact Information

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🌐 <https://nitc.ac.in/department/physics/>

# Registration Fee

	NITC	Non-NITC
• Faculty	: Rs. 2500	Rs. 2750
• Research Scholars	: Rs. 1500	Rs. 1750
• PG Students	: Rs. 750	Rs. 1000
• Scientists	: Rs 5000	

\*Inc. of GST. \*\* Fee includes lunch and refreshments

EVENT WEBPAGE



REGISTRATION FORM



**Registration Deadline: 29 Aug 2025**

# Organizing Committee

Patron:

**Prof. Prasad Krishna**, Director, NIT Calicut

Chairperson:

**Dr. Vari Sivaji Reddy**, HoD, Dept of Physics

Coordinators:

**Dr. Saurabh Gupta**

**Dr. Sreeraj T P**

**Dr. P N Bala Subramanian**

Departmental Committee:

**Prof. Raghu C**

**Dr. Sayani Chatterjee**

**Dr. Anoop Varghese**

**Dr. Haris M K**