



## The Gandhigram Rural Institute (Deemed to be University)

Ministry of Education, Government of India.  
Accredited by NAAC with 'A++' Grade (4<sup>th</sup> Cycle)



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(Ministry of Education Initiative)

### ANRF SPONSORED

## Workshop on Post-Quantum Cryptography and Quantum Computing (WPQC-2026)



Monday - Friday  
05-09, January 2026

### ORGANIZED BY

Centre for Mathematical Modelling  
and Quantum Computing,  
The Gandhigram Rural Institute  
(Deemed to be University),  
Gandhigram-624302,  
Dindigul, Tamil Nadu.



Silver Jubilee Hall  
GRI-DTBU, Gandhigram



### About the Institute

The Gandhigram Rural Institute - Deemed to be University (GRI-DTBU), founded by two dedicated disciples and contemporaries of Mahatma Gandhi, Dr. G. Ramachandran and Dr. T. S. Soundaram Ramachandran, has as its foundation Mahatma Gandhi's revolutionary philosophy of Nai Talim, which effectively bridges the cognitive and practical dimensions, and focuses on the holistic development of learners, with an emphasis on skill development through value-based education, rooted in indigenous cultures and traditions. Since its establishment in 1956, GRI has been unstintingly contributing to higher education and has successfully pioneered rural higher education. The curricular model developed at GRI organically integrating teaching, research and extension has earned the Institute, the status of Deemed University in 1976 by UGC, the five-star status by NAAC in 2002, 'A' Grade during the re-accreditation in 2010 by NAAC, 'A' Grade in its third cycle of reaccreditation in the year 2016 and 'A++' Grade in its fourth cycle of accreditation in the year 2025 by NAAC.

### About the Centre

The Centre for Mathematical Modelling and Quantum Computing (CMMQC) is an interdisciplinary research hub established to advance fundamental and applied research in Mathematics, physical sciences, and computational intelligence. The Centre brings together faculty members from Physics, Chemistry, Mathematics, and Computer Science & Applications to promote collaborative research and innovation in emerging scientific and technological fields. CMMQC focuses on mathematical modelling, quantum computation, and quantum information science, integrating theoretical studies with computational methods. Its research covers quantum dynamics, complex system simulation, data-driven modelling, and algorithmic design for quantum technologies. With the rapid progress of quantum computing, CMMQC is working to design quantum-resilient cryptographic systems and promote secure machine learning through privacy-preserving algorithms and data protection frameworks. The Centre has full-time research scholars developing Quantum algorithms, exploring quantum image processing and control systems. CMMQC also organizes workshops, training programs, and lecture series to build skills in quantum computing. Its vision is to become a Centre of Excellence in Mathematical Sciences, Quantum Technologies, and Secure Computing.

### List of Speakers

- **Dr. N. Subramanian**  
Executive Director, SETS, Chennai.
- **Dr. M. Sethumadhavan**  
Head – Cyber Security,  
TIFAC CORE in Cyber Security,  
Amrita Vishwa Vidyapeetham, Coimbatore.
- **Dr. K. A. Venkatesh**  
Professor of Mathematics & Computer  
Science, Registrar, Alliance University,  
Bangalore.
- **Dr. Divyansh Shrimali**  
Project Engineer, C-DAC, Bangalore.
- **Mr. Teja Pulakala**  
Project Engineer, C-DAC, Bangalore.
- **Ms. M. Samyuktha**  
Scientist 'C', SETS, Chennai.
- **Mr. T. Santhosh Kumar**  
Scientist 'C', SETS, Chennai.
- **Dr. Aravind Vishnu S S**  
Assistant Professor,  
TIFAC-CORE in Cyber Security,  
Amrita Vishwa Vidyapeetham, Coimbatore.



# CMMQC

## About the Workshop

The Workshop on Post-Quantum Cryptography and Quantum Computing, organised by the CMMQC, brings together researchers, academicians, and industry experts to address cybersecurity challenges in the quantum era. As quantum computers threaten traditional cryptographic systems, this workshop focuses on developing quantum-resilient frameworks and using quantum technologies for secure systems. It features invited talks, technical sessions, and hands-on tutorials on post-quantum cryptography, quantum algorithms, blockchain security, and privacy-preserving computation. By fostering collaboration across Physics, Mathematics, Computer Science, and Cryptology, the workshop promotes interdisciplinary research and skill development for emerging security and computational challenges.

## Topics to be Covered

- Foundations of Quantum Computing
- Quantum Algorithms and Applications
- Introduction to Cryptography and Cybersecurity
- Post-Quantum Cryptography
- Quantum-Resilient Security and Applications
- Quantum Hardware and Software Platforms
- Emerging Research Directions

## Instructions

- Participants can be UG/PG Students, Research Scholars, Faculties, and Industrialists.
- A laptop is mandatory for the hands-on session.
- Only a limited number of seats are available. The registration will be accepted on a first-come, first-served basis.
- Working lunch and refreshments will be provided during the workshop.
- A limited number of accommodations for the participants will be arranged on a payment basis.

## Committee Members

<b>Chief Patron</b>	<b>Dr. N. PANCHANATHAM</b> Vice-Chancellor, GRI-DTBU
<b>Patron</b>	<b>Dr. M. SUNDARAMARI</b> Registrar i/c, GRI-DTBU
<b>Convener</b>	<b>Dr. P. BALASUBRAMANIAM</b> Director CMMQC, Sr. Prof. of Mathematics, GRI-DTBU
<b>Organizing Committee</b>	<b>Dr. G. NAGAMANI</b> Associate Professor of Mathematics, GRI-DTBU
	<b>Dr. P. NITHIANANTHI</b> Associate Professor of Physics, GRI-DTBU
	<b>Dr. R. RAMASUBBU</b> Associate Professor of Biology, GRI-DTBU
	<b>Dr. P. KALIMUTHU</b> Associate Professor of Chemistry, GRI-DTBU
	<b>Dr. T. KALAISELVI</b> Associate Professor of Com. Sci. & Applications, GRI-DTBU
	<b>Mr. GANESAN NARAYANASAMY</b> Honorary Visiting Professor of Practice, Dept. of Mathematics, GRI-DTBU

&

All faculty members of the Department of Mathematics

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## Fees Details

UG/PG Students	- Rs. 750
Research Scholars	- Rs. 1000
Faculty/Industrialists	- Rs. 1500
International Delegates	- \$ 100

Registration Deadline: 31.12.2025  
For Registration,



Registration Link

**For Queries**



<https://cmmqcgri.bolt.host/>



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