



The Gandhigram Rural Institute (Deemed to be University)

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



Anusandhan
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INSTITUTION'S
INNOVATION
COUNCIL
(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. Naresh Raghava**
Scientific Researcher, C-DAC, Bangalore.
- **Mr. Raghavendra Patil**
Scientist 'F', 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

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

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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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