

Five-Day Workshop

On

Post-Quantum Security: Signatures, Encryption and Beyond

28th January- 1st February 2026 (Hybrid
Mode)

Organized by:

Amrita Vishwa Vidyapeetham (AVV),
Delhi NCR, Faridabad Campus, Mata
Amritanandamayi Marg, Sector 88,
Faridabad, Haryana, 121002, India



श्रद्धावान लभते ज्ञानम्

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TOPICS TO BE COVERED

- Introduction to Quantum Threats and Classical Cryptography Limitations
- Lattice-Based Encryption
- Lattice-Based Signatures

- Hash-Based Signatures
- Code-Based and Multivariate Cryptography
- Isogeny-Based Approaches and Their Challenges
- PQC Standardization and Implementation Practices
- Securing Next-Generation Networks

TENTATIVE SPEAKER LIST

Dr. Saibal Kumar Pal, Director-JCB, DRDO Delhi
Dr. Sandeep Shukla, Director, IIIT Hyderabad
Dr. Somitra Kumar Sanadhya, IIT Kanpur
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Dr. Mrittunjoy Guha Majumdar, AVV Faridabad
Dr. Anand V. Joshi, University of Lucknow
Dr. Saurabh Rana, Bennett University
Dr. Pratik Gupta, DAV College, Lucknow
Dr. Amit K Awasthi, GBU Greater Noida
Dr. Gaurav Mittal, DRDO (Scientist)
Mr. Sunil Kumar, DRDO (Scientist)
Mr. Sandeep Kumar, DRDO (Scientist)

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Dr. Vivek Patel, AVV Faridabad
Dr. Vijay Kumar Soni, AVV Faridabad

ABOUT THE UNIVERSITY

Amrita Vishwa Vidyapeetham is a multi-disciplinary, research-intensive private university with a student strength of over 30,000, supported by more than 2,000 faculty members. Accredited with the highest 'A++' grade by NAAC, the university offers over 250 undergraduate, postgraduate, and doctoral programs spanning diverse fields, including Engineering, Management, Medical Sciences, Ayurveda, Life Sciences, Physical Sciences, Agricultural Sciences, Law, Arts and Humanities, and Social and Behavioral Sciences.

Amrita Vishwa Vidyapeetham has been ranked 8th in the National Institutional Ranking Framework (NIRF) 2025, with the Amrita School of Medicine, Kochi, securing the 9th position in the Medicine category. In the Times Higher Education (THE) University Impact Rankings 2025, which

evaluates universities worldwide for their contributions to social and economic sustainability, Amrita has been placed among the Top 50 globally. Amrita's vision and progress are inspired by its founding Chancellor, Sri Mata Amritanandamayi Devi (Amma), a world-renowned humanitarian leader.

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ABOUT THE WORKSHOP

The rapid advancement of quantum computing poses a significant challenge to traditional cryptographic systems that secure today's digital world. As large-scale quantum machines become feasible, widely deployed schemes such as RSA and ECC will no longer provide adequate security guarantees.

To address this emerging threat, the five-day workshop on "Post-Quantum Security: Signatures, Encryption and Beyond" aims to provide participants with an in-depth understanding of quantum-resistant cryptographic primitives and their applications in real-world systems. This workshop will bring together academicians, researchers, and industry experts to discuss the latest developments in post-quantum cryptography (PQC), covering both theoretical foundations and practical implementations. Participants will gain exposure to cutting-edge techniques, standardization efforts, and research opportunities in PQC.

Registration Link

<https://docs.google.com/forms/d/e/1FAIpQLSfZupCW7Ra5HOQ2VSiFK7eb0Tt60xxHq6d8N-OECyrxYZetiW/viewform?usp=dialog>

Scan for registration



Registration Fee

Last date of Registration: 24th January 2026
Registration Fees for Online participant: Rs 244/- (Including GST)
Registration Fees for Offline participant: Rs 1464/- (Including GST)
The account details for online payment are -
Name of Beneficiary: ICICI Bank Ltd.
Account No.: 732301000964
IFSC Code: ICIC0007323



Merchant Name : AMRITA VISHWA VIDYAPEETHAM

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