

QTech 2026: Exploring Quantum Realms		
Day 1: 12 th January 2026 (Symposium)		
Time	Speaker	Title of Talk
08:30 - 09:30	Breakfast	
09:00 - 09:30	Registration	
09:30 - 10:30	Inaugural Session	
10:30 - 10:45	Tea break	
10:45 - 11:30	Prof. Amlan Chakrabarti, University of Calcutta, Kolkata	Demystifying Quantum Machine Learning
11:30 - 12:15	Dr. Alok Shukla, Ahmedabad University	Modular and Scalable Quantum Algorithms
12:15 - 13:00	Prof Arijit Sharma, IIT Tirupati	Connecting Quantum Processors: Quantum Memories and Networks for the next-generation computing paradigm
13:00 - 14:00	Lunch	
14:00 - 14:45	Prof. Umakant D. Rapol, IISER Pune	Introduction to Quantum Computing Hardware based on Ion Traps
14:45 - 15:30	Dr. Siddhartha Patra, TCG Crest, Kolkata	Tensor Networks for Quantum Circuit Simulation, Compilation, and Hybrid Quantum–HPC Algorithms
15:30 - 16:15	Shri. Amit Shrivastava, DRDO, Hyderabad	Quantum Entanglement: A Resource for Information Processing
16:15 - 16:30	Tea break	
16:30 - 17:00	Dr. Siddharth Singh, Researcher, TU Delft	Accelerating QPU development with Quantum EDGE
17:00 - 17:30	Shri. Amit Saxena, C-DAC Pune	Quantum Simulators and Accelerators
End of Day 1		

QTech 2026: Exploring Quantum Realms		
Day 2: 13th January 2026 (Workshop)		
Time	Speaker	Title of Talk
08:30 - 09:30	Breakfast	
09:30 - 10:00	Mr. Aashay Pandharpatte, CDAC Pune	Introduction to Quantum Computing Simulations (Hands-on)
10:00 - 10:45	Dr. Tarun, CDAC Mohali	Quantum Machine Learning
10:45 - 11:00	Tea break	
11:00 - 11:30	Mr. Vivek Nainwal, CDAC Hyderabad	QSim (Demonstration and Hands-on)
11:30 - 12:15	Mr. Raja Singh Yadav, CDAC Bangalore	Qniverse (Demonstration and Hands-on)
12:15 - 13:00	Mr. Abhishek Tiwari, CDAC Noida	FPGA Quantum Simulator (Demonstration and Hands-on)
13:00 - 14:00	Lunch	
14:00 - 14:30	Mr. Nishant Shekar, CDAC Patna	QARN: GPU-based high-performance quantum simulator
14:30 - 15:00	Dr. Shreya Bokare, CDAC Mumbai	Applications to Quantum Computing in the financial domain
15:00 - 15:30	Dr. Namrataa Kkommineni, Shah & Anchor Kutchhi Engineering College, Mumbai	Exploring Hybrid DFT–Quantum Embedding Simulations of Molecules for HPCQC
15:30 - 16:00	Ms. Kanishka Padamata, CDAC Pune	Introduction to Quantum Error Correction
16:00 - 16:15	Tea break	
16:15 - 17:00	Valedictory Session	
End of Programme		