



RV Educational Institutions

RV Institute of Technology and Management®

Topic	5- day FDP on Quantum Computing
Date	19th to 23rd Jan 2026
Time	9:30 am to 4 pm
Resource Person	Mr.Venkatesh Kumar, Mr.Sachin Namdeo, Mrs.Tulika Dutta, Mr.Raja Singh Yadav, Mr.Deepak Sharma, Dr.Anjani Priya
Session Coordinator	Dr.Satish BB, Dr.Koushik S, Mr. Manjunath KM

Mr. Venkatesh Kumar

Director of Engineering | AI & Digital Transformation | InsurTech & Enterprise SaaS.

Mr. Sachin Namdeo

Position: Project Engineer

Sachin Namdeo is a researcher with expertise in hybrid classical-quantum machine learning, currently working as a Project Engineer in the Quantum Computing Group at C-DAC.

Mrs. Tulika Dutta

Assistant Professor at Manipal Institute of Technology (MIT), Bengaluru, with 10 years of professional experience spanning banking, academia, and advanced research in quantum metaheuristics. Specialized in quantum-inspired algorithms, hyperspectral image processing, and quantum computing education.

Mr. Raja Singh Yadav

Raja Singh Yadav is a dedicated researcher specializing in Quantum Computing, currently serving as a Knowledge Associate at C-DAC Bangalore. He holds an M.Tech. in Quantum Computing from DIAT Pune, with a strong foundation in quantum algorithms and cryptographic protocols.

Mr. Deepak Sharma

Deepak Sharma is a Hands-on product and growth leader in SW products and AI-driven platforms, with more than two decades of experience scaling advanced technology businesses at Google, Nokia, Technicolor, Cisco, Ericsson, and other global leaders. At Google in Warsaw, he leads GKE's AI/ML portfolio, modernizing cloud robotics infrastructure, readying GPU and TPU stacks for massive AI workloads, and delivering industry-first AI assistance integrated with Google Kubernetes engine (GKE) and supported Vertex AI as Platform for large language models.

Dr. Anjani Priya

Dr. Priya's journey began as a software engineer at Infosys before earning her PhD from the Indian Institute of Science. As a former Technical Lead at Sohum Innovation Lab, she led the development of an indigenous hearing screening device for newborns, the team earned the National Award. Later she worked as a Computation & Algorithmic Specialist in Quantum at Robert Bosch.

Objectives:

1. To introduce participants to the core concepts of Quantum Computing, including qubits, superposition,

entanglement, and quantum gates.

2. To enable participants to build and simulate quantum circuits using modern quantum programming tools and platforms.
3. To provide hands-on training in implementing foundational quantum algorithms such as Deutsch–Jozsa, Grover’s search, and Quantum Fourier Transform.
4. To familiarize participants with current quantum technologies, application domains, and emerging research opportunities in quantum computing.

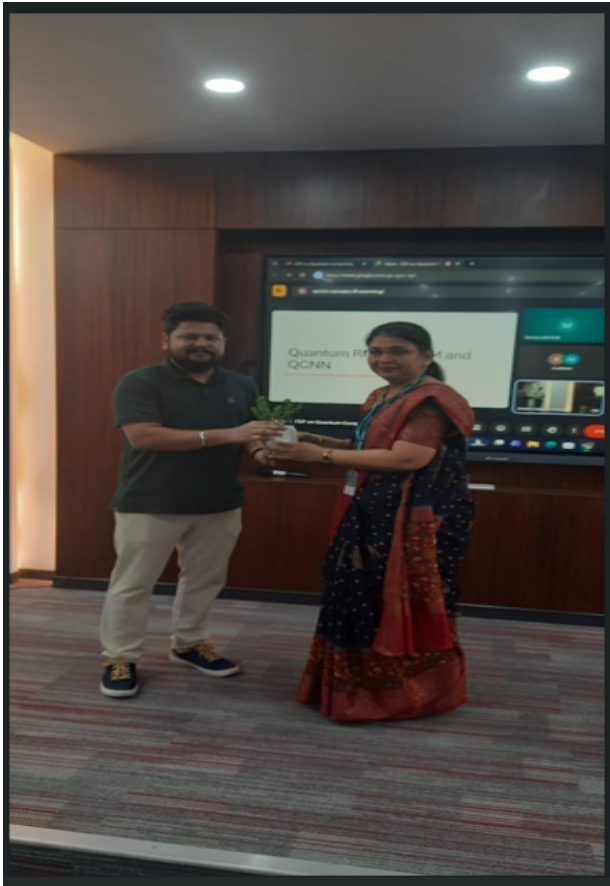
Outcome:

By the end of the FDP, skills enhanced to:

1. Gain a clear understanding of core quantum computing concepts such as qubits, superposition, and entanglement.
2. Develop the ability to design and simulate quantum circuits using modern quantum programming platforms.
3. Implement foundational quantum algorithms and analyze their performance.
4. Understand real-world applications of quantum computing in optimization, cryptography, and machine learning.
5. Build confidence to integrate quantum computing concepts into teaching, research, and academic projects.
6. Faculty will be able to guide students and research scholars in the field of Quantum Computing for projects.

Feedback:

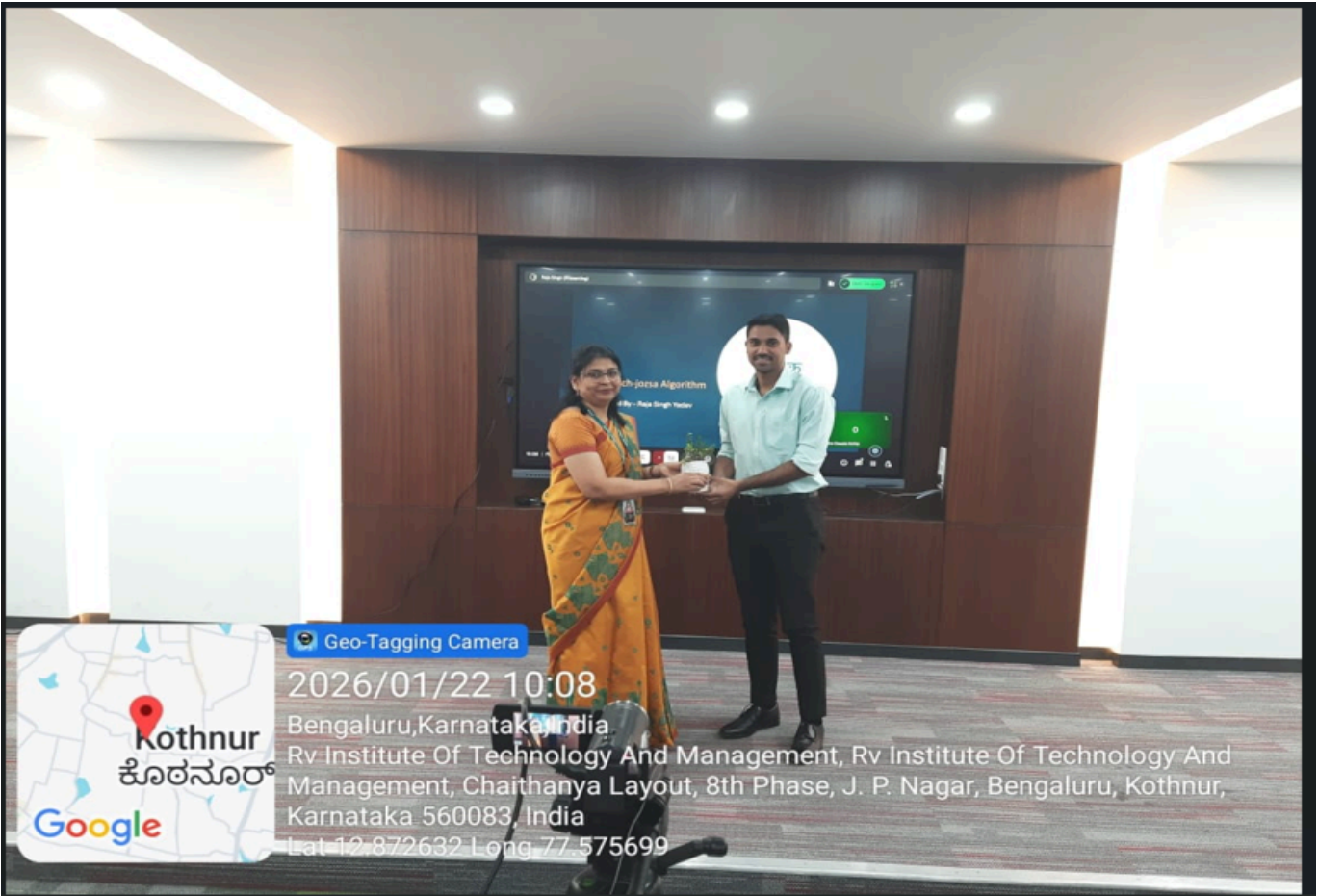
The FDP offered a strong and well-structured introduction to the fundamental concepts of quantum computing, including qubits, superposition, entanglement, and quantum gates. The hands-on sessions with modern quantum programming tools enabled effective learning through building and simulating quantum circuits. Practical exposure to foundational quantum algorithms such as Deutsch–Jozsa, Grover’s Search, and Quantum Fourier Transform enhanced conceptual clarity and confidence. The program also provided valuable insights into current quantum technologies, application areas, and emerging research trends. Overall, the FDP successfully integrated theory and practice, inspiring participants to further explore and contribute to the field of quantum computing.





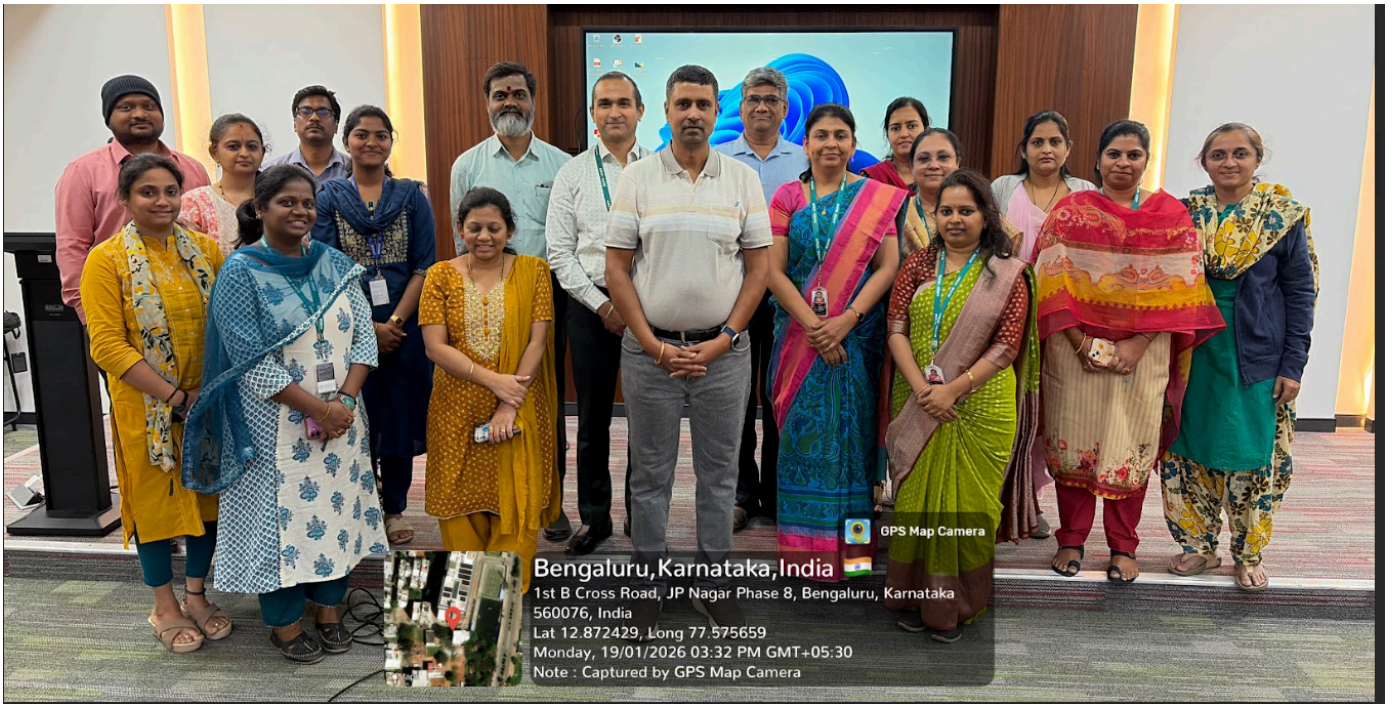
Geo-Tagging Camera

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Coordinator Signature

HOD's Signature