



SAMBALPUR UNIVERSITY

National Seminar On Quantum Computing and Quantum Machine Learning: The Next Computing Revolution

21st – 22nd September, 2026



Organized by
Department of Electronics,
SUIT, Sambalpur University, Burla
Sambalpur, Odisha-768018, India

Sponsored by
Odisha State Higher Education Council,
Government of Odisha

About the Seminar

Quantum Computing is emerging as the next frontier in computational technology, promising unprecedented computational power for solving complex optimization, cryptography, drug discovery, material science, and artificial intelligence problems. Quantum Machine Learning (QML) integrates the principles of quantum computing with machine learning algorithms, offering new possibilities for accelerating learning, improving prediction accuracy, and addressing computational challenges beyond the capabilities of classical computers.

This National Seminar aims to bring together academicians, researchers, scientists, industry professionals, and students to discuss recent advances, research challenges, and future opportunities in Quantum Computing and Quantum Machine Learning.

Highlights of the Seminar

- ☐ Expert talks by eminent academicians and researchers.
- ☐ Introduction to Qiskit and Quantum Programming.
- ☐ Panel discussion on the future of Quantum Technologies.
- ☐ Interactive sessions with experts.
- ☐ Certificate of Participation.

Key Speakers

- ☐ Prof. Arup Kumar Das, ISI, Kolkata
- ☐ Prof. Arindam Ghosh, IISc Bengaluru
- ☐ Dr. Raktim Halder, IIT Bhubaneswar
- ☐ Prof. Prasant Kumar Panigrahi, IISER Kolkata
- ☐ Dr. Rajiv Iyer, Amity University Mumbai
- ☐ Prof. Debashis De, MAKAUT University, Kolkata

Target Audience

UG/ PG/ Ph.D. students and faculty members of colleges and universities, Industry Professionals and are eligible for the program.

Guidelines

- ☐ Applications are invited from faculty members, Research scholars, PG and UG students.
- ☐ The selection process will prioritize applicants on a "first-come, first served" basis and may consider other criteria determined by the committee.
- ☐ **No registration fee is applicable.**
- ☐ Sleeper Class train fare (TO and FRO) or equivalent bus fare will be reimbursed to the participants whose paper will be accepted for presentation as per the seminar and sponsoring agency norms, upon submission of valid travel tickets and supporting documents

Registration

For Registration (NO PAPER PRESENTATION)

<https://forms.gle/41dixzjkP9xccaAA>

Paper presentation

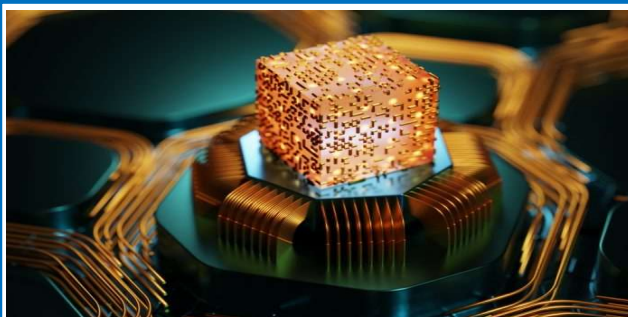
<https://forms.gle/fuiPD8nPgeQ6V7mL7>

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About Sambalpur University

Sambalpur University, established on **1st January 1967**, is one of the premier public universities in Odisha, located at **Jyoti Vihar, Burla**. Accredited with **NAAC 'A' Grade**, the University is widely recognized for its excellence in higher education, research, and innovation. It offers a diverse range of undergraduate, postgraduate, doctoral, and professional programmes through its teaching departments, constituent institutes, and affiliated colleges, serving the educational aspirations of Western Odisha and beyond. Over the years, the University has made significant contributions to technical, scientific, and interdisciplinary research while fostering innovation, entrepreneurship, and industry-academia collaboration. With a vibrant academic environment, experienced faculty, and state-of-the-art infrastructure, Sambalpur University continues to nurture competent professionals, researchers, and leaders committed to addressing societal and global challenges. For more information, visit www.suniv.ac.in



About SUIIT

Sambalpur University Institute of Information Technology (SUIIT) was established in **2010** as a **Constituent Autonomous Institute** of Sambalpur University with the approval of the Department of Higher Education, Government of Odisha. Established on the lines of the IIITs, SUIIT is committed to imparting quality technical education and promoting research in Information Technology, Computer Science, Electronics, and allied disciplines. The Institute offers undergraduate and postgraduate programs with a multidisciplinary curriculum that integrates technical education with Basic Sciences, Humanities, and Management to foster holistic development of students.

SUIIT is an integral part of **Sambalpur University**, one of the oldest and most prestigious universities in Odisha, established in **1967** and accredited with **NAAC 'A' Grade**. Building upon the University's rich academic legacy and its significant contributions to technical education in the region, SUIIT provides a dynamic environment for innovation, research, entrepreneurship, and industry-oriented learning. With modern infrastructure, experienced faculty, and a strong focus on academic excellence, the Institute continues to prepare skilled professionals and researchers to meet global technological challenges. For more information, please visit www.suiit.ac.in

Organizing Committee

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