



<https://portal.kristujayanti.edu.in/register-quantum-leap-2025>

Chief Patron

Fr.Dr.Augustine George,
Vice Chancellor

Patrons

Fr.Dr.Lijo P Thomas, Pro Vice Chancellor
Fr.Dr.Jais V Thomas, Chief Finance Officer

Convenors

Dr. R. Kumar, Dean, School of Computational and Physical Sciences
Prof. Sevuga Pandian, Head, Department of Computer Science

Co-Convenors

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Dr. Kalaiselvi K, Programme Coordinator, Computational Studies

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Student Coordinators

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Kristu Jayanti (Deemed to be University)
K Narayanapura Cross, Kothanur, Bengaluru, 560077

- From Majestic BMTC Bus Stand: Platform 19: Bus Route-292 B & C
- From K.R. Market: Bus Route: 292, 292 B, 293 C, 292 D, 292 F, 293
- Nearest Railway station:
 - Cantonment (10 km)
 - SMVT, Maruthi Sevanagar (9.7 Km)
 - Krishnarajapuram (11 Km)
- By Air: Bengaluru International Airport (28 km)



Kristu Jayanti (Deemed to be University)

Kristu Jayanti (Deemed to be University) is a beacon of learning and innovation since its inception in 1999 as an affiliated institution under Bangalore University. The Institution is managed by the Christian missionaries belonging to the Congregation Carmelites of Mary Immaculate (CMI), St. Joseph Province, Kottayam, Kerala. Kristu Jayanti attained Autonomous status in 2013 and was conferred Deemed to be University status on July 8, 2025, under Section 3 of the UGC Act, 1956, by the Department of Higher Education, Ministry of Education, Government of India, under the General Category. The University is a dynamic centre of excellence, dedicated to scholarship, leadership, and societal impact. The institution was re-accredited with the highest grade 'A++' by NAAC in its third cycle of accreditation in 2021. In NIRF-2025, it secured 34t Rank and continues to feature among the top 50 colleges in the country. The University is recognised for the third consecutive term by the United Nations (2018-2021, 2021-2024 and 2025-2027) and is appointed as the UNAI Hub for SDG 10(Vice Chair for Teaching and Education). With a student body exceeding 15,000 the University provides an array of educational opportunities, including 49 Undergraduate, 23 Postgraduate, 04 Postgraduate Diploma programmes and 18 Research Programmes. Over the years, Kristu Jayanti has consistently been recognized as one of the leading institutions in national and international rankings, and surveys conducted by various agencies.

Department of Computer Science:

Since its establishment in 1999, the Department of Computer Science at Kristu Jayanti College has been instrumental in delivering industry-relevant, forward-thinking education. Now part of Kristu Jayanti University, the department functions under the School of Computational and Physical Sciences, offering a wide range of specialized programmes such as BCA with specializations in Analytics, Cloud Computing, Cyber Security, IoT, and B.Sc. programmes in AI/ML and Data Science. These programmes are designed to meet evolving digital demands and prepare students for careers or higher studies. Ranked 4th Best in India for BCA by the India Today MDRA Survey, the department is known for its quality curriculum, hands-on learning, and career-oriented approach. Academic growth is fostered through national and international conferences, seminars, workshops, research publications, and value-added initiatives like certificate programmes, bridge courses, and university-level fests. The department maintains strong industry collaborations with organizations such as Ceolins, Qlik, UiPath, Salesforce, Oracle Academy, AWS Academy, Infosys, and VMware IT Academy. These partnerships provide students with exposure to cutting-edge technologies and real-world practices. Through its commitment to innovation, industry engagement, and holistic education, the Department of Computer Science at Kristu Jayanti University continues to nurture future-ready computing professionals.

Objective of the Workshop:

- Quantum Leap 2025 aims to ignite curiosity and innovation among young minds exploring the world of quantum technologies.
- The workshop fosters hands-on learning and interdisciplinary collaboration to bridge theory with real-world applications.
- Our mission is to empower the next generation of quantum thinkers to lead breakthroughs in science and technology.



KRISTU JAYANTI
(DEEMED TO BE UNIVERSITY)
Under Section 3 of UGC Act 1956
A CMI INSTITUTION | BENGALURU | INDIA



SCHOOL OF COMPUTATIONAL AND PHYSICAL SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
IN ASSOCIATION WITH

KJU QUANTUM CLUB

ORGANISES

NATIONAL LEVEL WORKSHOP

QUANTUM LEAP-2025

Empowering the Next Generation of Quantum Thinkers

18th DECEMBER 2025



www.kristujayanti.edu.in

Target Audience:

Industrialists/Academicians, Research Scholars, Postgraduate/Undergraduate Students

Resource Person:



MR. RAJA SINGH YADAV
KNOWLEGDE ASSOCIATE
C-DAC, BENGALURU

Schedule: (9:00 AM to 5:00 PM)

TIME	SESSION
9:15 AM – 10:45 AM	Session 1: Introduction to Quantum Computing
10:55 AM – 12:25 PM	Session 2: Hands-on Qniverse Platform
12:35 PM – 1:00 PM	Q&A / Interactive Demos
1:30 PM – 3:00 PM	Session 3: Quantum Communication – BB84 Protocol
3:10 PM – 4:30 PM	Session 4: Advanced Quantum Algorithms & Applications
4:30 PM – 4:45 PM	Closing & Feedback Collection

Outcome of the Workshop:

- Participants will gain a foundational understanding of quantum computing principles and practical experience using quantum platforms such as Qniverse.
- Attendees will be equipped to understand and apply key quantum communication protocols like BB84 and explore advanced quantum algorithm applications.
- The workshop will empower participants to engage confidently in quantum technology discussions and inspire innovative thinking toward future quantum solutions.

Registration fee : Rs. 1000/- (which includes participation fee and lunch)

*Letter or ID card of the Institution or Organisation must be presented at the time of registration