



INDIAN INSTITUTE OF SPACE SCIENCE AND TECHNOLOGY

DECLARED AS DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF THE UGC ACT, 1956

AN AUTONOMOUS INSTITUTE UNDER DEPARTMENT OF SPACE, GOVT. OF INDIA



QCES

Online Summer School on *Quantum Communications and Electronic Systems*

ONLINE
STARTING JULY 16TH

Seats capped to fixed numbers,
Register early to avoid missing out.



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Established in 2007 by the Department of Space and ISRO, IIST is India's premier NAAC A++ institution and Asia's first space university. It ranks as only the third of its kind globally, dedicated to advancing space science and technology.

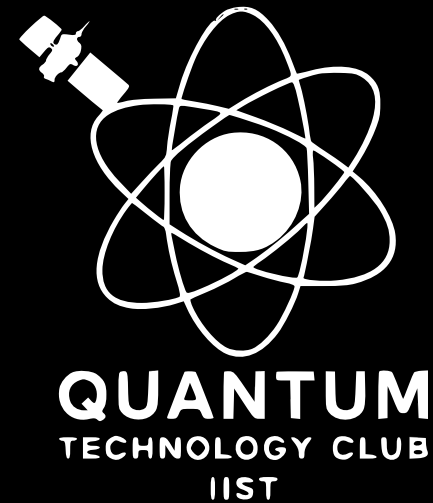
Based at the Valiamala campus, the institute serves as a primary talent hub for the Indian space program. It integrates specialized education with elite research to drive future milestones in satellite technology and space exploration.

IIST continues to rise as one of the country's leading institutes, guided by the vision and leadership of some of the most distinguished figures in India's space sector:

- Dr. APJ Abdul Kalam
- Dr. S. Somanath
- Dr. V. Narayanan
- Dr. BN Suresh
- Dr. S. Unnikrishnan Nair
- Dr. Dipankar Banerjee



About Quantum Club

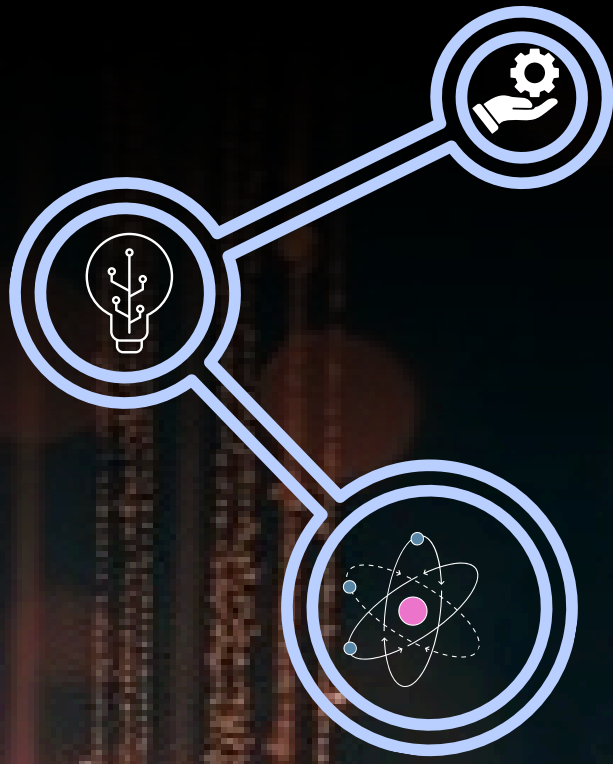


Quantum Technology Club, IIST, is a major initiative fostering ideas, innovations and technologies in the field of quantum through critical learning sessions, real-time projects and lab visits

Using Penny lane and Qiskit, workshops '**Quantum Computing 0 → 1**' and '**Think Quantum'26**' introduced students to Quantum Computing, algorithms, qubit operations stretching classical theory into practical applications specifically in the domains of Aerospace and Aviation.

The club worked actively under its motto "**Think Beyond Binary**" and showcased it's vision of extensive research in Quantum sciences. Beyond Technicalities, the Club represented IIST as a centre of innovations and research in NAAC review.





ABOUT THE PROGRAM

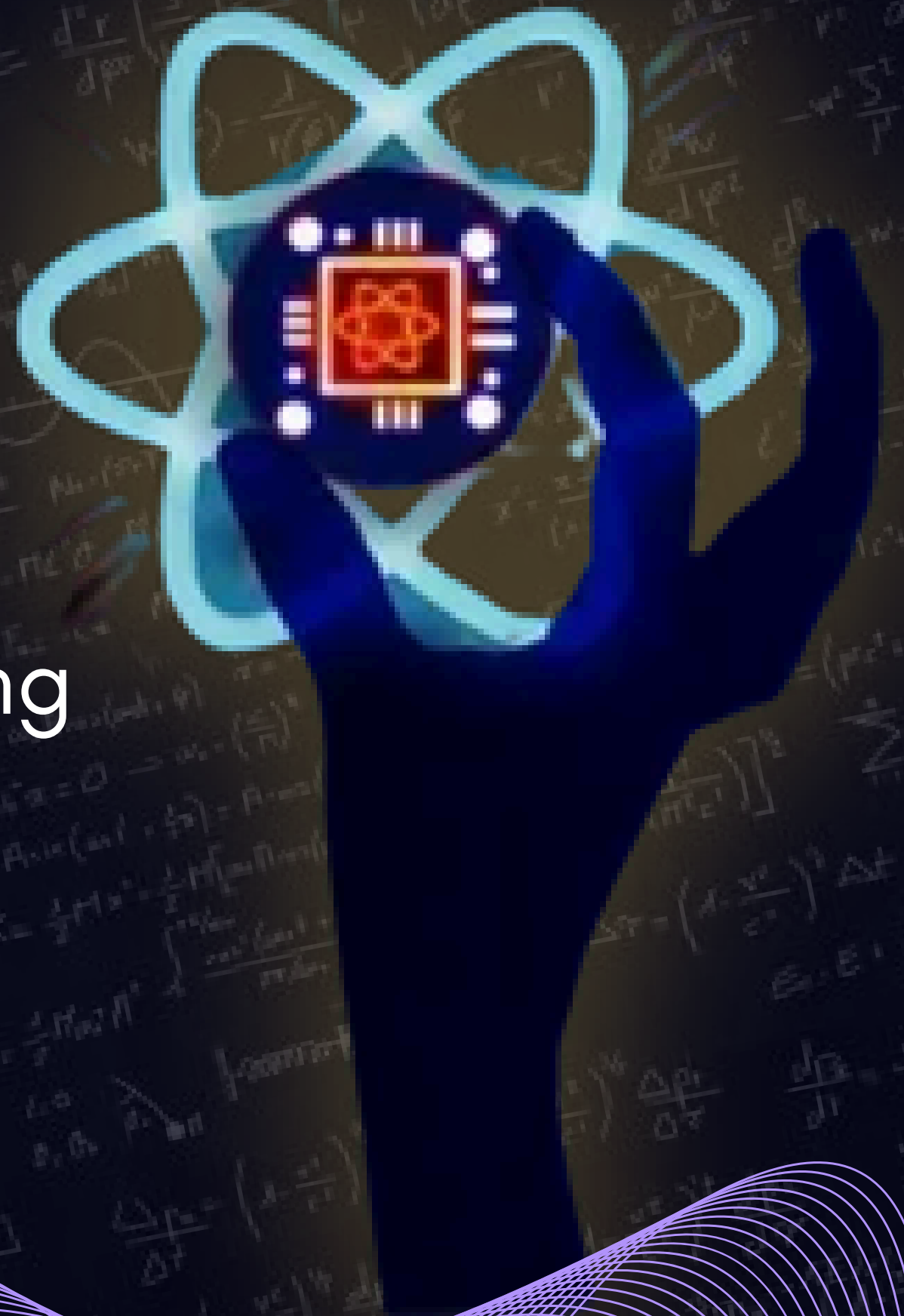
- A summer school to unravel the tangled links with electronics through the world of quantum.
- Learn through expert-led sessions and interactive discussions, projects.
- Attend insightful guest lectures by researchers and industry professionals.
- Learn how quantum innovations are transforming security, communication, and precision systems.

SCHEDULE

- 2 sessions **every weekend**
- Starting **6 pm** onwards each scheduled day.
- Starting **July 4th**
- Mode: **Zoom**

WHAT YOU LEARN

- Photonics
- Quantum Basics
- FPGA Basics
- Quantum Key Distribution
- Quantum Metrology
- Quantum Image processing



GUEST LECTURES



Dr Jasmin Meinecke

TU Berlin/
Max-Planck-Institute
of Quantum Optics



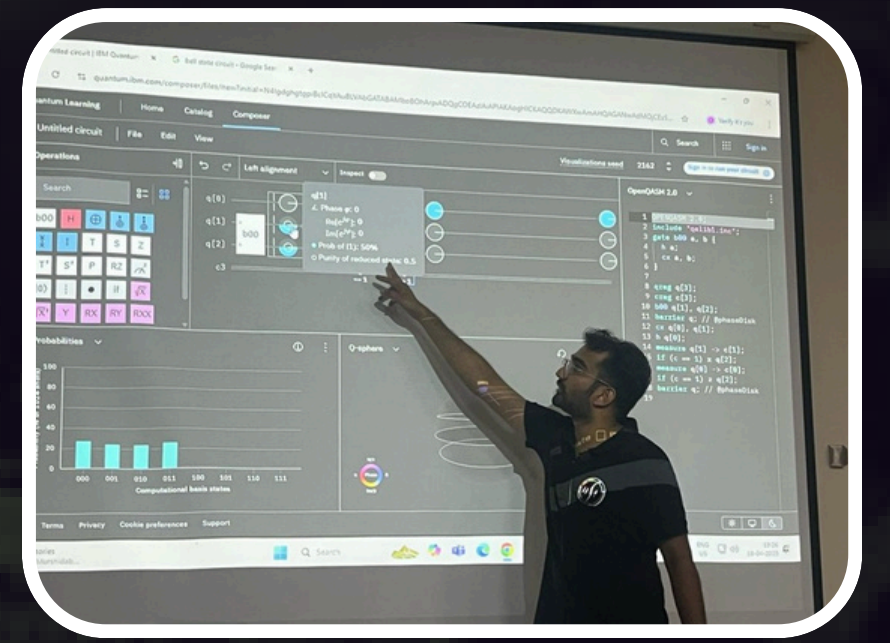
Dr Ashok Kumar

Indian Institute of Space
Science and Technology
(IIST)

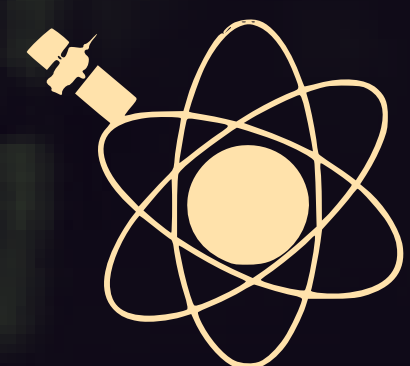
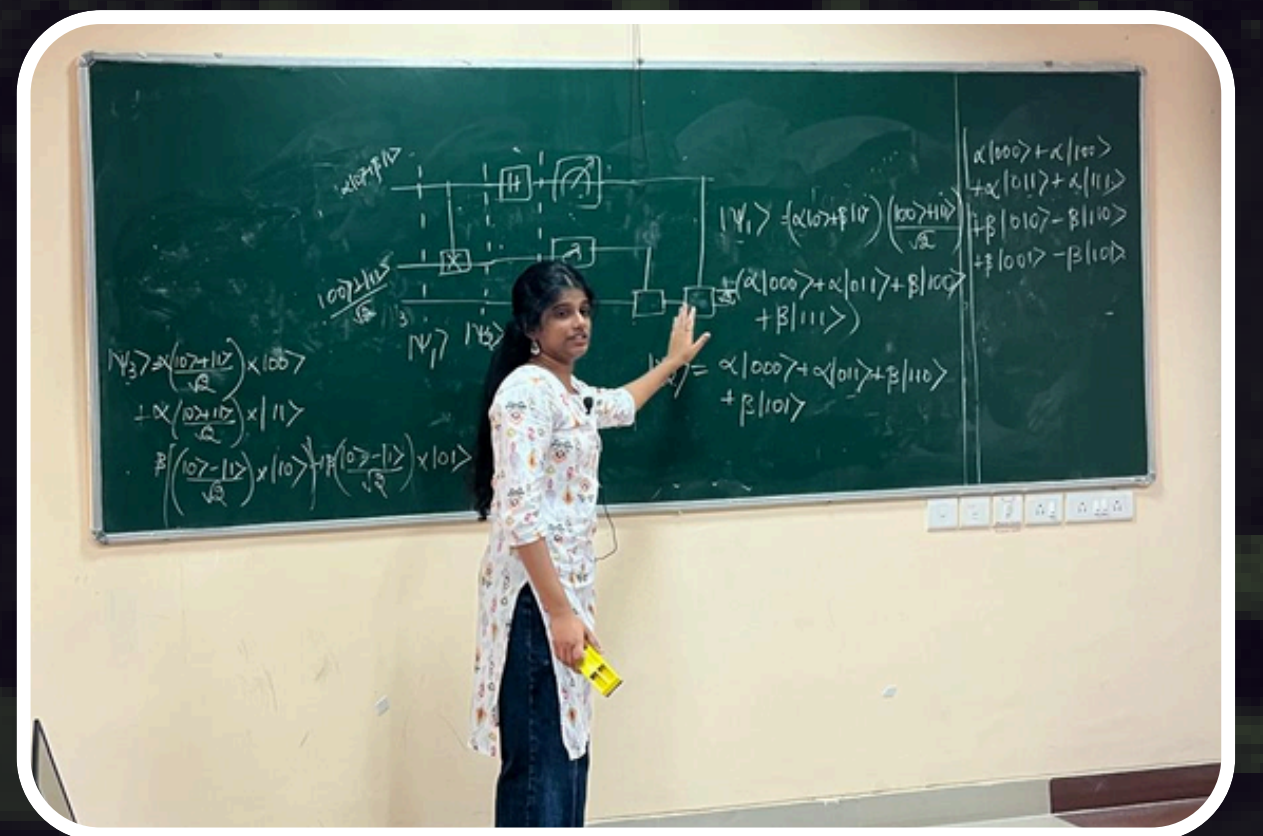


Deepika Rajan

Project Engineer
(Centre for Development
of Advanced Computing
(CDAC))



PREVIOUS SESSIONS BY QUANTUM TECHNOLOGY CLUB



**QUANTUM
TECHNOLOGY CLUB**
IIST





CONSCIENTIA

TIMEFALL

2026

Conscientia 2k26 returns for its 17th edition, merging imagination and technology. This premier annual tech fest offers diverse, challenging events in robotics, rocketry, programming, and modeling, alongside exciting online competitions with great prizes. Join fellow tech enthusiasts to explore this year's riveting theme, "TIMEFALL", where past, present, and future converge.

QCES



think
beyond
binary!!

Queries? Contact us:

Akshay MS **75189 14396**

Advait M Dhola **91066 73205**

REGISTER NOW @ ₹ 499/-

 workshop.conscientia.iist.org

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