Q→NU AcademY

PROACTIVELY QUANTUM

Build Quantum Ready Workforce from quantum physics to PQC

For academia, innovators and business decision makers

🎯 Why Quantum Security, Why Now

Harvest now, decrypt later.
Data stolen today can be decrypted once quantum computers mature. Some researchers point to 2029.

Asia-Pacific deadlines are set.
Singapore critical infrastructure migrates by end-2031, Malaysia runs a 2025 to 2030 plan, Thailand targets 2035, Australia 2030.

Indian regulators are acting.
CERT-In CBOM guidelines, RBI Q-SAFE committee, SEBI inventory rules, plus TRAI and CERC (power) named for sector guidance.

Gulf and Europe are aligned.
UAE policy requires approved PQC plans, Qatar's central bank expects PQC governance, EU high-risk systems migrate by 2030 and all by 2035.

RSA and ECC will break.
They protect VPNs, payments, signatures and PKI. NIST PQC standards are the replacement.

India has a national roadmap.
DST targets full PQC adoption for critical sectors by December 2029, with CBOM inventories from FY 2027-28.

The USA has set federal dates.
Executive Order 14412 (June 2026) puts high-impact federal systems on PQC key establishment by end-2030 and signatures by end-2031. NIST proposes disallowing RSA and ECC by 2035.

The skills gap is wide.
McKinsey finds one qualified candidate for every three quantum job openings, and only 29 of 176 university quantum research programmes offer graduate degrees. QED-C projects about 100,000 additional quantum workers needed by 2030.

Policy positions as of October 2026. Several roadmaps are advisory. Confirm dates with your regulator. Talent data: McKinsey Quantum Technology Monitor, QED-C.

👥 Who is it For

Universities

- Vice chancellors, deans and heads of department
- Faculty who will teach quantum communication
- Students and researchers in engineering and science

Enterprises, Government and Policy Makers

- CXOs, CISOs and security strategists
- Risk, compliance and legal teams
- IT architects, OT and ICS security, R&D teams

🎓 Why QNu Academy

Taught by builders.
Faculty are the engineers behind QNu Labs systems used in defence, banking and government.

QNu Academy: Global Leader in Quantum Security Training
QNu Academy is the educational arm of QNu Labs, a global leader in quantum security.

India's first faculty cohort certified to teach quantum communication, at the SRMIST lab.

Supported by NQM.
India's National Quantum Mission (DST) supports QNu Academy. Incubated at IIT Madras Research Park.

Proven reach.
7 academic MoUs, partner universities on 4 continents, 400+ professionals trained.

Local and global.
Covers RBI and Indian guidance alongside NIST, UK NCSC and EU frameworks.

info@qnulabs.com

WHAT WE OFFER AND HOW IT HELPS

Two programmes on one dedicated quantum research learning platform

UNIVERSITIES

Centre of Excellence

WE OFFER

- Physical or virtual quantum communication lab
- Prebuilt curriculum for Undergraduate Engineering (B.E/B.Tech), PG Engineering (M.Tech) and UG/PG Science
- Course credits compliant with India's NCrF, Malaysia's MQF/MQA and Thailand's NQF
- Faculty training and certification
- Student cohorts, assessment and certification

HOW IT HELPS

- Faculty trained to teach and train students further
- Graduates industry ready and job ready, with end-to-end knowledge
- Stronger admissions, research grants and industry partnerships

ENTERPRISES, GOVERNMENT AND POLICY MAKERS

Quantum-ready workforce

WE OFFER

- 12-hour certified programme, from quantum physics to PQC
- Hands-on assignments: BB84, migration planning, sector sessions
- On-site workshop, executive briefing, sector-tailored course

HOW IT HELPS

- Teams design a quantum roadmap with confidence
- Work with a quantum partner to deploy it
- Board-level clarity on quantum risk

SHARED FOUNDATION

Dedicated quantum research learning platform

- Hands-on QKD protocol experiments and PQC simulations
- Remote access for campuses and distributed teams
- Helps universities and enterprises learn quantum security concepts by doing
- Connected to real QNu deployments

What Our Partners Say

> “Quantum technology is no longer a distant future... our students need to be ready for it.

Dr Ajith Padyana, Director, VTU-VRIF Centre for Deep Technologies

> “Access to sovereign, deployed quantum technology... how SRM prepares the next generation to lead.

Dr C. Muthamizhchelvan, Vice Chancellor, SRM IST

> “A landmark step... into the hands of the students who will define India's quantum future.

Dr J.B.V. Reddy, Head, Quantum Technology Cell, National Quantum Mission, DST

Ready to get quantum ready?

Book a 30-minute walkthrough.

info@qnulabs.com
qnulabs.com/qnu-academy

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