

InQubate

Where quantum ideas take shape

Indian Institute of Science's comprehensive quantum startup acceleration platform

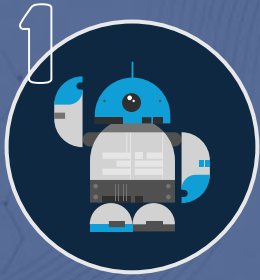
Idea | Startup | Market | Impact

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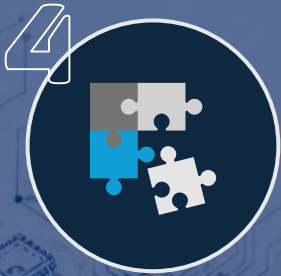
About Us



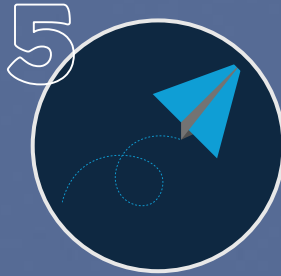
Our Approach



**Quantum
Ecosystem
Enablers**



**Quad
Ecosystem
Support**



**Incubation
support**



**Our
Engagement &
Expectation**

**1.1 Mission**

Nurture early-stage ideas and accelerate the growth of startups in quantum technology by providing world-class mentorship, infrastructure, and collaborative opportunities.

**1.2 Vision**

To establish a world-class ecosystem that empowers quantum technology innovators, accelerates the journey from ideas to impactful enterprises, and positions India as a global leader in deep-tech entrepreneurship.

**1.3 Focus Areas**

InQubate supports startups across all four verticals of quantum technology and the associated peripheral technologies that make innovation indigenous, scalable, and impactful.

**1.4 Background**

The IISc Quantum Technology Initiative (IQTI) is a dedicated multidisciplinary effort to indigenously develop various aspects of QT. It has brought together around 50 faculty members—physicists, materials scientists, engineers, and computer scientists – for this purpose. IISc has been at the forefront of helping India develop strategic missions (Indian nuclear and space technology programs were conceived and nurtured at IISc). It is in a similar position to lead India's effort in practical implementation of QT due to the following facts:

1. Basic infrastructure for fundamental understanding of quantum phenomena and technology has been created at IISc, with recent funding from the Department of Science and Technology, the Ministry of Electronics and Information Technology, the Defence Research and Development Organisation, and the Government of Karnataka.
2. IISc has a shared national nanofabrication and characterisation facility at the Centre for Nanoscience and Engineering, as well as other central facilities for device engineering and characterisation.
3. The multidisciplinary academic/administrative structure of IISc hosts outstanding scientists and engineers, and a well-established support system linking innovation, product design, incubation and entrepreneurship exists through the Foundation for Science Innovation and Development (FSID).

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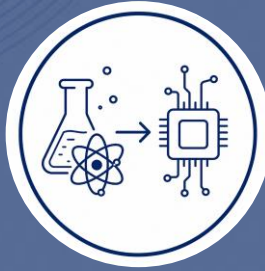
Our Approach

InQubate follows a founder-centric, science driven and milestone-based approach to build startups



Founder First

We support founders at the earliest stage with mentorship, technical guidance and strategic direction



Science to impact

Deep research, rigorous validation and access to world class facility to build next-gen technologies



Milestone driven

Stage-wise support with clear milestones, de-risking and acceleration towards market

2.1

What InQubate Provides



MENTORSHIP

Guidance from IISc faculty, industry experts, and successful entrepreneurs.



INFRASTRUCTURE

Access to quantum labs, nanofabrication facilities, cryogenics, and advanced characterization tools.



TECHNICAL SUPPORT

Help with research, prototyping, testing, and technology development.



FUNDING CONNECT

Connect with investors, grants, and government schemes for deep-tech startups.



IP & LEGAL SUPPORT

IP strategy, filing support, and legal guidance for startup formation.



ECOSYSTEM ACCESS

Connect with corporates, research labs, startups, and global partners.



BUSINESS ENABLEMENT

Support with market research, go-to-market strategy, and business model refinement.



GLOBAL OUTLOOK

Positioning for global collaboration, standards, and international opportunities.

2.2

Our Process



1

STEP 1

Apply in the InQubate Platform



2

STEP 2

Review by InQubate Team



3

STEP 3

Further evaluation of requirement and goals



4

STEP 4

Presentation to the Review Committee



5

STEP 5

Review & decision on scope of support



6

STEP 6

Execute project & allocate resources



Maturing the TRL / Building a prototype / proof-of-concept



MeitY
Government of India

Skill Development
R&D Seed Fund
Equipment Cluster
Promote collaborations
Support Startup

QuRP ensures there are trained talent and infrastructure to push the boundaries of quantum science

Training Workshops
R & D Support
Startup Support

INUP supports training and infrastructure access across the country.



Equity free Grant
Seed funding
Infrastructure Access
Incubation Support
Collaboration Network
Entrepreneurship Programs

Wadhvani Innovation Centre ensures those breakthroughs are translated into innovations, startups, and real-world impact.

R & D funding
Startup funding
Mentoring
through
QC LEAP Startup Support program

FQCI supports R&D and startup funding for translation to achieve NQM goals.

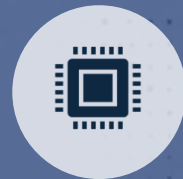
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Quad Ecosystem Support

The quad ecosystem of IISc—comprising QuRP, Wadhvani Innovation Centre, FQCI, and INUP—forms a seamless continuum that powers India's quantum mission from lab to market. Together, these four pillars provide the essential scaffolding for innovation, ensuring that quantum breakthroughs are not only discovered but also translated into products and positioned globally.

4.1 Facility Access

QuRP, Wadhvani Innovation Centre and INUP guarantee world-class infrastructure, advanced equipment clusters, and nationwide access to laboratories. This democratizes quantum research, enabling students, startups, and researchers across India to participate in cutting-edge experimentation.



4.2 Consumables & Resources

Wadhvani Innovation Centre bridges the gap between research and commercialisation by providing incubation support, prototyping facilities, and consumables critical for scaling innovations.



4.3 Equipment

The Wadhvani Innovation Centre extends equipment grants to startups, which will be housed at and administered by IISc.



4.4 Human Capital

Through skilling pipelines, internships, and training programs, QuRP and INUP cultivate a robust talent base. This ensures India has a steady stream of quantum scientists, engineers, and entrepreneurs ready to lead the next wave of innovation.



4.5 Funding & Translation

FQCI strategically supports R&D and startup funding, aligning projects with the National Quantum Mission (NQM). The Wadhvani Innovation Centre empowers researchers with equity-free grants that cover essential recurring and non-recurring costs, ensuring ideas can move seamlessly from lab to real-world application.





INCeNSE, funded by the Government of Karnataka and birthed and housed at the Centre of Nanoscience and Engineering, provides the best incubation for startups in deep science. Access to state-of-the-art labs and a fabrication facility teeming with the best technologists and faculty with deep domain knowledge will ensure your idea's journey keeps pace with the business. It is supported by FSID, a non-profit organization under IISc, focused for collaborative research, deep science incubation, startup support, and product acceleration.

1

PRE INCUBATION PROGRAM

- Recognises the brightest ideas and helps develop a proof of concept without having to set up a company.
- Access best-in-class infrastructure, labs, and mentoring support up to 6 months.
- Enabling a smooth transition to the next level: becoming an INCeNSE incubatee.

2

INCUBATION PROGRAM

- Offered to deep science startups..
- The best-in-class infrastructure (workspace, meeting rooms, labs, broadband, telephone, IP support, mentors, etc.) is offered for the first 36 months. To deserving incubatees, access to CeNSE facilities is provided at special rates, even beyond the first year.

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Our Engagement

01

You don't need to commit early

We support exploration before startup formation

02

Infrastructure is available

You don't need to build a lab from scratch

03

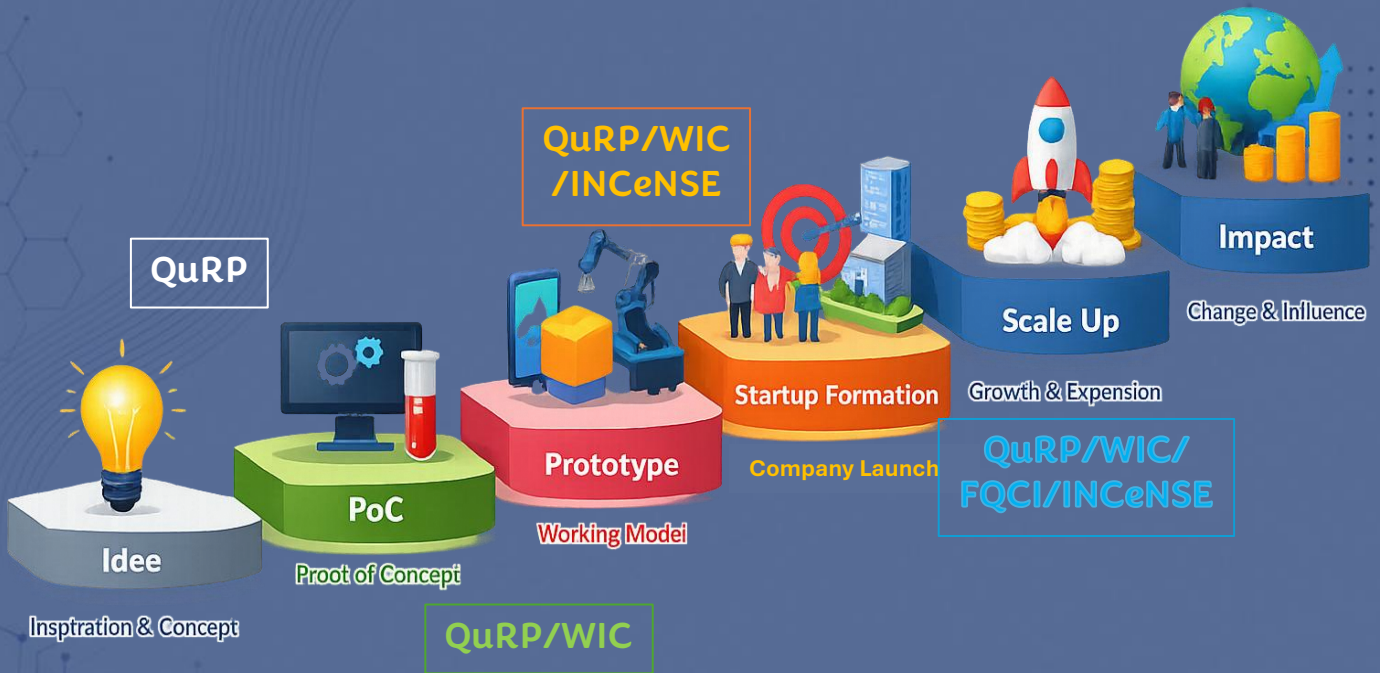
We bridge science to product

This is the hardest gap in deep-tech

04

We stay with you across stages

Not just a one-time grant



7

Our Expectation



Build actively



Use facility Responsibly



Follow safety & Compliance



Acknowledge the support



<https://nnfc.cense.iisc.ac.in>



<https://MNCf.cense.iisc.ac.in>



<https://www.inup.cense.iisc.ac.in/>



<https://qcinnovation.co.in/>



<https://PASf.cense.iisc.ac.in>



<https://quantechwincoe.iisc.ac.in/>



<https://iqti.iisc.ac.in/quantum-research-park/>



THEME
Building a Quantum Ecosystem:
Qubits to Society



Karnataka Science and Technology Promotion Society (KSTePS)

Karnataka Science and Technology Promotion Society (KSTePS) is an initiative for science, technology, and innovation in the state. It works closely with academic research, policy formulation, and technology adoption. KSTePS plays a key role in fostering collaborations in emerging fields like quantum technologies, AI, and programs, and funding initiatives to boost the state's R&D ecosystem. As a strategic global leader in cutting-edge scientific advancements.

Website: Karnataka Science and Technology Promotion Society (KSTePS)

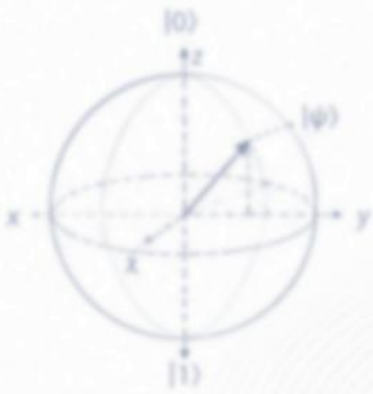


The IISc Quantum Technology Initiative (IQTI)

The IISc Quantum Technology Initiative (IQTI) is a dedicated research program for advancing quantum science and engineering. It brings together experts in quantum innovation in quantum computing, quantum communication, and quantum sensing, support startups, and collaborate with industry to accelerate commercialization. Its mission, positioning IISc as a leading hub for quantum research. Through international

<https://iqti.iisc.ac.in/>





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