

Quetzal

www.quentzal.co.in



Program Details

Dates: 23rd October 2023 - 8th November 2023

Duration: 30 hours

Platform: Zoom

About Us

Quetzal is launching its **Quantum Computing Career Accelerator (QCCA)**, a first-of-its-kind course designed to bring fundamental quantum computing education to undergraduate students. The two-week introductory course will include lectures from researchers globally, self-paced labs, activity-based challenges, and learning resources on quantum computing. Top students from this program will be connected to mentorship programs with our industry partners.

Program Structure



Learning Days

Live webinars, guest lectures and recorded sessions by industry experts on quantum computing.



Lab days

Each learning day is accompanied by self-paced coding labs for hands-on understanding of topics covered in lectures.



Mission Days

Activity-based missions are between learning days to gauge personal learning outcomes.



Convocation Day

Top students receive mentorship and internship opportunities from our industry partners.

Benefits

- **Learn Quantum Computing:** Learn the foundations quantum computation from quantum experts across the globe
- **Mentorship and Internship Opportunities:** Top students are awarded with internship programs to further their quantum expertise
- **Hands-on Quantum Labs:** Engage in immersive quantum labs for practical, experiential learning and experimentation
- **IBM Qiskit Developer Certification Training:** Receive comprehensive training to prepare for the IBM Certified Developer - Quantum Computation certification
- **Networking:** Access placement opportunities at quantum companies

Eligibility

Students must be enrolled in/ have completed their bachelor's degree

Pre-requisites

No prerequisites are present, but knowledge of linear algebra and coding is helpful. A primer will be provided to cover these topics.

Quetzal

Quetzal aims to make fundamental quantum computing education accessible to students globally. We are devoted to equipping the future workforce by offering hands-on courses for high school and undergraduate students.

Programs include the quantum computing accelerator, offline workshops, and upcoming high-school boot camps.

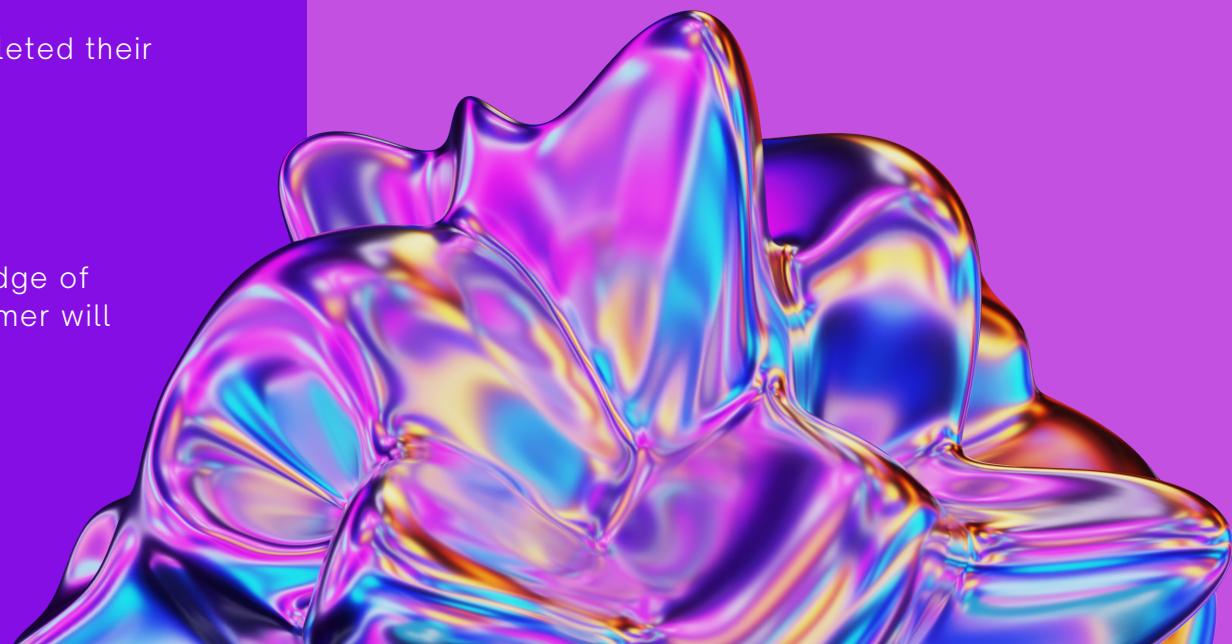
At the Quantum Computing Career Accelerator, learn:

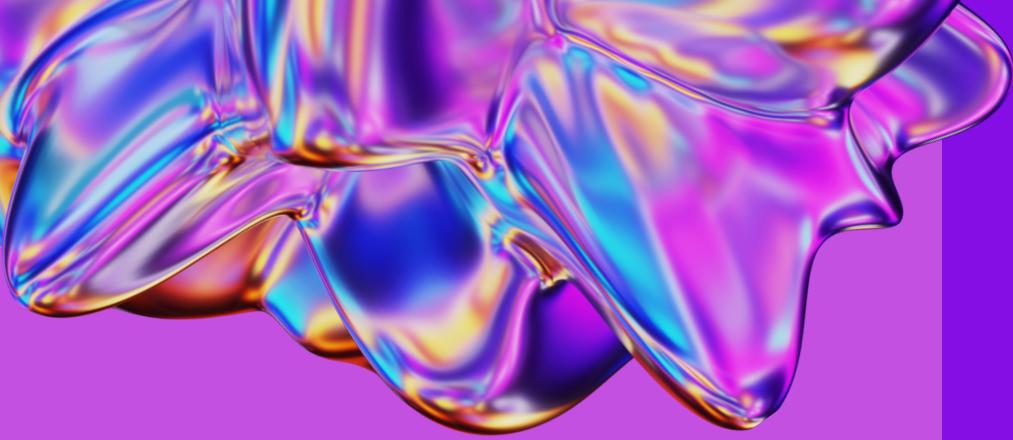
- Fundamentals of quantum computing and mechanics
- Coding with Qiskit SDK
- Quantum algorithms
- Quantum use-cases and careers

Contact us:

 shraddha@quetzal.co.in

 ruddra@quetzal.co.in





Knowledge Partners

Perimeter Institute:

Perimeter Institute is a leading centre for scientific research, training, and educational outreach in foundational theoretical physics. Located in Waterloo, Ontario, Canada, its mission is to advance our understanding of the universe at the most fundamental level, stimulating the breakthroughs that could transform our future.



Institute for Quantum Computing:

The Institute for Quantum Computing (IQC) is a world-leading quantum institute at the University of Waterloo. IQC is advancing the field of quantum information at the highest international level to discover and develop powerful new quantum technologies that will drive future economies.



Execution Partner

1M1B:

1M1B (1 Million for 1 Billion) engages and enables youth to become future ready problem solvers creating real world impact. Established in 2014, 1M1B is a United Nations accredited non-profit with special consultative status to the UN Economic and Social Council (ECOSOC) and is associated with the UN Department of Global Communications.



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