



GLOBAL AUTUMN COURSE QUANTUM COMPUTING



Ministry of Electronics and
Information Technology
Government of India

RESOURCE PERSONS FROM *Microsoft*

Dates: Aug 24-29, 2020

Azure Quantum



Time: 10:00 AM – 3:15 PM

Course Contents:

Qubits, Représentations (Dirac / Ket Notations / Vector), Superposition, Bloch Sphere, Quantum Gates, Programming using Q# / Python, QDK Framework, Entanglement & Teleportation, Deutch's Algorithm, No Cloning theorem, Super dense coding, Grover's Algorithm, Simon's Algo, Shor's Algo, BB 84, Quantum Cryptography & QKD, Quantum Machine Learning, Quantum Opportunities

Medium: MS Teams

Course Fee: Free, Regn. & Certificate: Rs 500/-

Register at <http://online.mnit.ac.in/eict/>

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