



## Centre of Excellence in Quantum Computing

### Internship Modules for Engineering students

- M1. Quantum Mechanics Fundamentals
- M2. Mathematics for Quantum Computing
- M3. Quantum Algorithms and Applications
- M4. Quantum-safe cryptography Bernstein Vazirani Algorithm
- M5. Deutsch-Jozsa Algorithm
- M6. Shor's Algorithms
- M7. Quantum Classifiers and Quantum Support Vector Machine (QSVM)
- M8. Quantum Key Distribution (QKD)
- M9. Materials aspects of QC and Quantum Information Theory

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