**Workshop- Basics of Quantum Computing**

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**Useful Links:**

**IBM Quantum Computer:** [**https://quantum-computing.ibm.com/login**](https://quantum-computing.ibm.com/login)

**D-wave System:**[**https://cloud.dwavesys.com/leap/signup/**](https://cloud.dwavesys.com/leap/signup/)

**Open Gopal’s Workspace**  <https://ide.dwavesys.io/#https://github.com/gopalrk/Quantum_Computing_Workshop_Denmark2021>

Online Quantum circuit simulator : <https://algassert.com/quirk>

Installing IBM Qiskit locally : <https://qiskit.org/documentation/getting_started.html>

(installing [Anaconda](https://www.anaconda.com/download/) recommended)

**Further Readings:**

**General Quantum Computing**

* Learn Quantum Computation using Qiskit, Abraham Asfaw et al. <https://qiskit.org/textbook/preface.html>
* Quantum Computation and Quantum Information: 10th Anniversary Edition, Michael A. Nielsen, Isaac L. Chuang. Cambridge University Press, 2011.

**Quantum Machine Learning**

Supervised Learning with Quantum Computers, Maria Schuld, Francesco Petruccione. Springer, 2018.

<https://pennylane.ai/>

**Quantum Computers Technology**

The Building Blocks of a Quantum Computer, online course coordinated by Stephanie Wehner, Lieven Vandersypen, Menno Veldhorst, K.L.M. Bertels and L. DiCarlo,

<https://ocw.tudelft.nl/courses/building-blocks-quantum-computer-part-1/>   
  
**Quantum Computing Activities within Novo Nordisk R&D (GRT):** **Join** <https://teams.microsoft.com/l/channel/19%3a795953f72e7b481f90dc2c9783a86836%40thread.tacv2/General?groupId=cfd715cf-e1a4-4479-92e3-b3c197c0f237&tenantId=fdfed7bd-9f6a-44a1-b694-6e39c468c150>