

**Dr. Mahdy Rahman's (Associate Prof. , NSU) Research Groups who are working in Quantum Computing: Total 7 groups now**

Group	Topic	Mother Paper
1	Quantum Machine Learning	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0957417422000136">https://www.sciencedirect.com/science/article/abs/pii/S0957417422000136</a>
2	Quantum Error Correction	<a href="https://arxiv.org/pdf/0705.4165.pdf">https://arxiv.org/pdf/0705.4165.pdf</a>
3	Quantum Cryptography and Cyber Security	<a href="https://arxiv.org/pdf/2105.07187.pdf">https://arxiv.org/pdf/2105.07187.pdf</a>
4	Quantum Algorithm	<a href="https://arxiv.org/pdf/1804.03719.pdf">https://arxiv.org/pdf/1804.03719.pdf</a>
5	Quantum Error Correction	
6	Variational Quantum Eigensolver (VQE)	
7	Quantum Repeater	