

Schedule for the workshop

SI No.	Topic	Time	Speaker
1.	Inauguration	09:30 – 10:00	
2.	Talk-1: Basics of Quantum Computing: Quantum states; Superposition of states; Quantum Gates; Quantum Measurement; Brief discussion on Implementation of Quantum State and gates using atoms, ions and photons; Differences between classical and quantum computing; Quantum Supremacy with a few quantum algorithms; Demonstration of Quantum parallelism.	10:00 – 11:30	Prof. Sonjoy Majumdar (IIT Kharagpur)
3.	Tea Break	11:30 – 11:45	
4.	Talk-2: Applications of Quantum algorithm using Qiskit (IBM quantum software), Applications of Variation Quantum Algorithm in Molecular Structure	11:45 – 13:15	Prof. Sabyashachi Mishra (IIT Kharagpur)
5.	Concluding Ceremony	13:15-13:30	