






Guru Nanak Dev Engineering College, Ludhiana  
**Computer Society of India**  
(Student Chapter)



# A WORKSHOP ON QUANTUM COMPUTING (SESSION 2)

 11TH NOVEMBER, 2022

 9.30 AM - 1.00 PM

 R- Lab (CSE Department)



BY:  
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Bengaluru.

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# Workshop on Quantum Computing

## Session 2

Date: 11<sup>th</sup> November 2022

Duration: 9:30 AM to 1:00 PM

Venue: R Lab

Total Participants: 25

Computer Society of India- Student Chapter organized a workshop on Quantum Computing (*Session 1*) on 4<sup>th</sup> November, 2022. The event was organized to provide the knowledge of the fundamental concepts and hands on experience to the students on this latest and rapidly developing technology. The expert for the session was **Mr. Arshpreet Singh**, Lead Engineer, ITC Infotech Bengaluru. He is an IBM Quantum Computing Certified Professional with a very vast experience in Software Development, Complex System Integration, Web Development, etc. This session was focused on the practical exposure to use Quantum Computing to solve real-life problems with higher efficiency.

### **The key points delivered in the session were:**

- Implementing Quantum Concepts using Python
- Coding for Representation of Quantum Bits -> in Matrix form
- Solving real-life problems using Machine Learning in Quantum Realm.
- Knowledge of various Quantum Computing Platforms
- Familiarization with the IBM Quantum platform
- Hands-on practice with real time scenarios on IBM Quantum Platform
- Solving small example problems using IBM Quantum Platform

The session was concluded by Dr. Parminder Singh (HOD-CSE), by delivering a vote of thanks to the expert. He also appreciated the students for stepping into a new dimension of learning.

**Student – Convener**

**Faculty-Coordinator**

## Event Glimpses



