

EVENT REPORT

WEBINAR ON THE GATE TO QUANTUM REALM

GCET ISA Student's Branch



The banner features a grid background with green and white diagonal stripes at the top and bottom. It includes logos for GCET, ISA GCET Student Branch, and CVM University. The title "Quantum Computing and the cQED" is in large green letters. A circular portrait of Abhijit Bhattacharyya is on the left. Below it, his name and title are listed. The event date and time are in a black box, and the platform is indicated by a green LIVE button. The host organization is in a green box at the bottom right.

 **GCET**
G H PATEL COLLEGE OF
ENGINEERING & TECHNOLOGY

 **ISA** **GCET**
Student Branch

 **CVM**
UNIVERSITY

**"Quantum Computing
and the cQED"**



ABHIJIT BHATTACHARYYA
SCIENTIFIC OFFICER AT
BHABHA ATOMIC RESEARCH CENTER.

August 28th, • 04:00 PM - 06:00 PM

LIVE on MS Teams

GCET ISA Student Branch

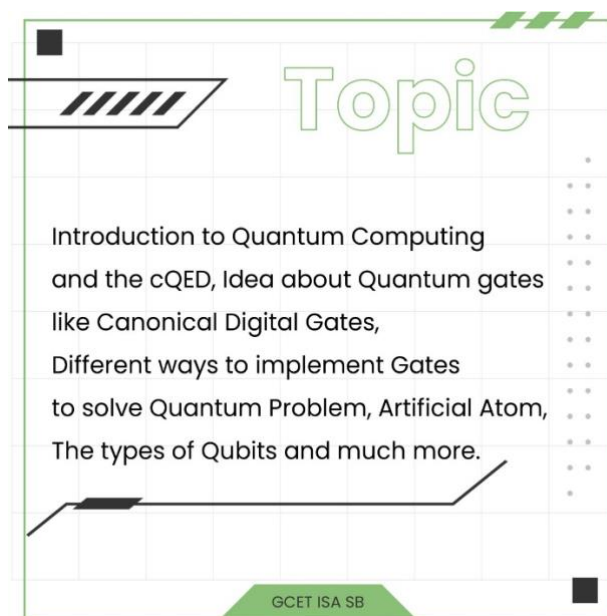
G H Patel College of Engineering & Technology
(A Constituent College of CVM University)

Introduction

The GCET ISA Student Branch had organized an international level webinar and was privileged by the presence of Dr. Abhijit Bhattacharyya as our guest speaker. He is currently a Scientific Officer at the Bhabha Atomic Research Centre (Department of Atomic Energy, Government of India)

Webinar took place on 28th August 2021 from 4:00 P.M to 6.00 P.M on the worldwide appreciated and user-friendly platform, Microsoft Teams. A total of 289 participants registered for the event.

The student coordinators of the webinar were Pruthvi Patel and Rakshit Patel.

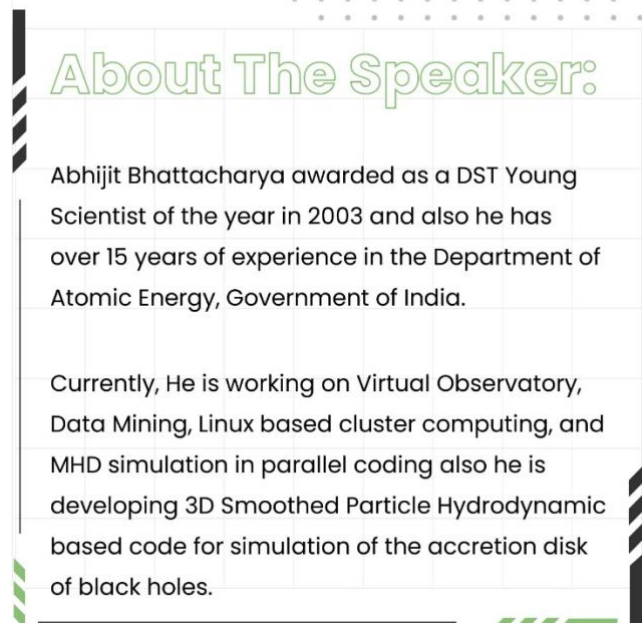


The slide features a green border and a grid background. On the left, there is a stylized graphic of a circuit board with a black square and a white rectangle. The word "Topic" is written in a large, green, outlined font. Below it, the text "Introduction to Quantum Computing and the cQED, Idea about Quantum gates like Canonical Digital Gates, Different ways to implement Gates to solve Quantum Problem, Artificial Atom, The types of Qubits and much more." is written in a smaller, black font. At the bottom, there is a green bar with the text "GCET ISA SB" in white.

Topic

Introduction to Quantum Computing and the cQED, Idea about Quantum gates like Canonical Digital Gates, Different ways to implement Gates to solve Quantum Problem, Artificial Atom, The types of Qubits and much more.

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The slide features a green border and a grid background. On the left, there is a stylized graphic of a circuit board with a black square and a white rectangle. The text "About The Speaker:" is written in a large, green, outlined font. Below it, the text "Abhijit Bhattacharya awarded as a DST Young Scientist of the year in 2003 and also he has over 15 years of experience in the Department of Atomic Energy, Government of India." is written in a smaller, black font. Below that, the text "Currently, He is working on Virtual Observatory, Data Mining, Linux based cluster computing, and MHD simulation in parallel coding also he is developing 3D Smoothed Particle Hydrodynamic based code for simulation of the accretion disk of black holes." is written in a smaller, black font. At the bottom, there is a green bar with the text "GCET ISA SB" in white.

About The Speaker:

Abhijit Bhattacharya awarded as a DST Young Scientist of the year in 2003 and also he has over 15 years of experience in the Department of Atomic Energy, Government of India.

Currently, He is working on Virtual Observatory, Data Mining, Linux based cluster computing, and MHD simulation in parallel coding also he is developing 3D Smoothed Particle Hydrodynamic based code for simulation of the accretion disk of black holes.

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About the Speaker

Completing his MSc and PhD in Astrophysics from the Jadavpur University in 2001, Dr. Bhattacharyya is currently a Scientific Officer at the Bhabha Atomic Research Centre (Department of Atomic Energy, Government of India) for more than 15 years with excellent field experience in Quantum Information processing and Computing.

He has also been a DST young scientist awardee for more than 2 years and to add other feathers to his cap, he also has about 3 years of teaching experience in physics. He has also worked as a scientific and collaborating associate at CERN, Switzerland in August 2015 and 2018 respectively.

About the Webinar

Over 90 participants joined the workshop on 28th August 2021, for The Gate to Quantum Realm.

We were honoured to have Mr. Jagdish Shukla sir, Ex-President of ISA Gujarat Section and currently Executive Member of the International Society of Automation provided us knowledge of various activities and benefit under ISA.

Speaker shared his research on Quantum Computing and circuit Quantum Electrodynamics with deep illustration on the world of Quantum Science, Josephson junction, qubits and its constituents, wave particle of also he guided students for learning quantum computing its advantages and future scope.

Lastly an interactive question and answers session was conducted where attendees doubts were cleared.

With the efforts, guidance and team work from,

Dr. Jatin Patel (Faculty Coordinator)

Jeet Chaliawala (President, GCET ISA SB)

Dishant Panchal (Vice President, GCET ISA SB)

Amushraza Pathan (Secretary, GCET ISA SB)

Smeet Shah (Joint Secretary, GCET ISA SB)

Vrund Thakkar (Core Committee Head, GCET ISA SB)

Dhyey Dodiya (Executive Chair, GCET ISA SB)

Dharvi Kaneriya (Logistics Chair, GCET ISA SB)

Pruthvi Patel (Documentation Chair, GCET ISA SB)

Vrushank Bhatt (Documentation Chair, GCET ISA SB)

Priya Intwala (Graphics Design Chair, GCET ISA SB)

Sagar Gohil (Graphics Design Chair, GCET ISA SB)

Rakshit Patel (Marketing Chair, GCET ISA SB)

Nij Padariya (Marketing Chair, GCET ISA SB)

Nil Patel (Web Master, GCET ISA SB)

Daksh Patel (Membership Chair, GCET ISA)

