



**Weekly Seminar Program – (2023-24)**  
**Department of Physics – Bharathiar University**  
**Coimbatore- 641046**

Seminar-8



**Mr. Abi Jebarson A.**

II-M.Sc. (Physics)  
Department of Physics, Bharathiar University.

**Speaks on**

**“Exploring Entanglement through the framework of Quantum Information Theory”**

**Abstract**

There are many mysterious physical phenomena that we know and don't know about. Quantum Entanglement is one such phenomenon that feels so simple yet acts too complex, that literally built a reputation out of its weirdness. Ever since we got a hint about entanglement from Albert Einstein, it was called “spooky action at a distance” and is still called by many names to this day. Quantum Information Science takes maximum advantage of entanglement and other quantum phenomena to solve problems that were previously considered impractical. In this presentation, the physics of entanglement is elucidated, focusing at what in reality is mysterious about it, with the mathematical knowledge of some applications from Quantum Information Science.

**About the Speaker**

Mr. Abi Jebarson is from Kanniyakumari and has completed his undergraduate in Physics at Bishop Heber College, Trichy and pursuing his postgraduate in Physics at Bharathiar University, Coimbatore.

**Venue:** Sir C.V. Raman Hall

**Date:** 19.09.2023

**Time:** 10.00 am

Kindly be seated by 10:00 am and switch off your mobile phone during the lecture.

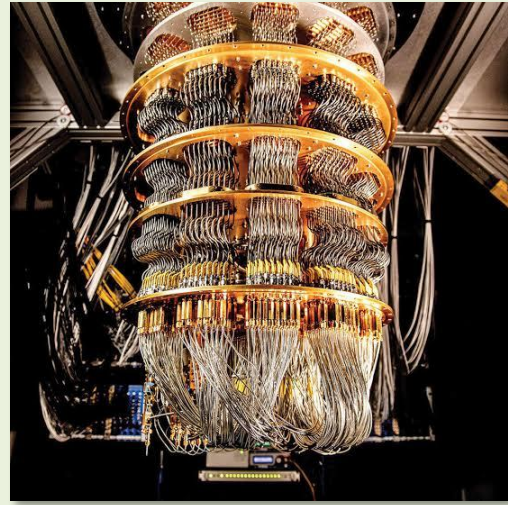
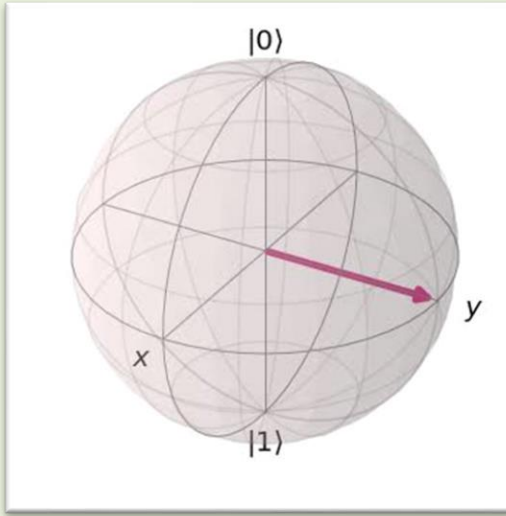
**All are cordially invited.**

**Coordinator (General Seminar)**

**Head of the Department**

## Agenda

Time	Event	Name	Designation
10. 00 am	குறள் வணக்கம்	Mr. Kannal Amudhu K	II M. Sc., (Physics)
10. 05 am	Biography of Scientists (Dr. J. Robert Oppenheimer)	Mr. Hirushikeshan A	I M.Sc., (Physics)
10. 10 am	Recent Physics News	Ms. Sreelakshmi A	II M. Sc., (Physics)
10. 15 am	Seminar	Mr. Abi Jebarson A	II M. Sc., (Physics)
10. 45 am	பாரதியின் குரல்	Ms. Srinandhini S	I M.Sc., (Physics)



Department of Physics  
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Tea & Snacks at 11.00 am

