



Educational / Institutional visit

Report on International Year of Quantum Science and Technology IYQ 2025



The **Department of Physics** organised an educational visit under UPSS to St. Bede's college on 31st October. A total of 10 students from department of Physics volunteered to celebrate **International Year of Quantum Science and Technology IYQ 2025** in association with **IAPT RC-23**. Each one of us felt excited to engage with peers and explore quantum science initiatives.

St. Bede's College Shimla
Department of Physics
in Association with IAPT RC-23

invites you to celebrate

International Year of Quantum Science & Technology
IYQ 2025

**Engaging Young Minds:
A Quantum Celebration**

Join us for

- Exhibition on 100 Years of Quantum Mechanics
- Talk on Louis de Broglie's Quantum Legacy and Quiz
- Documentary: Offering Quantum Opportunities

**10:00 AM, 31st October
@ Auditorium**

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The visit included :

- Exhibition on 100 years of Quantum Mechanics
- A talk on Louis De Broglie's quantum legacy and a short quiz
- A brief acknowledgement on the interactive lab sessions.

We were privileged to have a speaker Mr . P.K. Alluwallia, a professor of physics from Himachal Pradesh University . A lecture on advancements that had been done in past 100 years in field of quantum science including a talk on **Louis De Broglie's quantum legacy** was provided to us. The lecture also includes some complex concepts and the way it was break down helped us to grasp the whole things more easily. The sessions continued with a short quiz that made the whole session engaging and even more interesting.



Also we get to know about some interactive virtual lab that are available online like :

1. PhET Interactive Stimulation
2. Amrita Virtual lab
3. QuVis

These virtual labs are online, computer-based simulation that mimic real-world science and engineering experiments, allowing students to interact with virtual equipment and procedures from anywhere, anytime, to develop practical skills without physical constraints and hazards.

At last the day was concluded by an **Exhibition on 100 years of Quantum Mechanics**



The celebration of the International Year of Quantum Science successfully bridged a century of heritage with future innovation. By honouring Louis de Broglie's legacy, the event highlighted how wave-particle duality remains the cornerstone of modern physics. The centenary exhibition offered a powerful visual narrative of quantum evolution, while the Virtual Lab introduction demonstrated a commitment to accessible, cutting-edge education. Ultimately, the event transitioned from reflecting on past milestones to empowering the next generation. It reaffirmed that quantum science is no longer just theoretical, but a practical toolkit for solving the world's most complex challenges.

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