



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Press Release

National Science Day
IIT Bhubaneswar organizes talk on ‘Ultrafast Spectroscopy in the Quantum World’

Bhubaneswar, 27th February 2026: Indian Institute of Technology (IIT) Bhubaneswar celebrated National Science Day, commemorating the invention of the Raman Effect by the Indian physicist and Nobel Laureate Sir C.V. Raman, with the theme of the year ‘Women in Science: Catalysing Viksit Bharat’. As part of the celebration, Prof. Hirendra Nath Ghosh, Director of National Institute of Science Education and Research (NISER), Bhubaneswar delivered a talk on "Ultrafast Spectroscopy in the Quantum World" on 26th February 2026.

In his talk, Prof. Ghosh highlighted that a century of quantum science has fundamentally reshaped modern technology—from semiconductors and ultrafast lasers to quantum computing. Drawing on over three decades of work utilizing ultrafast spectroscopy to probe molecules and materials, he emphasised that understanding femtosecond and attosecond processes is crucial to advancing next-generation optoelectronic devices. He noted that many technologies in everyday use today, including LEDs, mobile displays and solar cells, are outcomes of long-term fundamental research. He also stressed the need for stronger interdisciplinary collaboration among physicists, chemists, engineers and biologists to drive future scientific breakthroughs in India.

At the outset, Prof. Chandrashekhhar Bhende, Dean-Post Graduate & Research Programmes, IIT Bhubaneswar delivered the welcome address and introduced the chief guest.

On this occasion, the research scholars presented their research work through poster presentations.

The members of faculty, staff, students and residents of the Institute attended the programme in a large number.
