Registration Details

Registration Fees: **NADA**
Deadline : **30-March-2025**

SCAN

THEMES FOR POSTER PRESENTATION

1. GROWTH, CHALLENGES, AND TECHNICAL ADVANCEMENTS IN THE SEMICONDUCTOR INDUSTRY

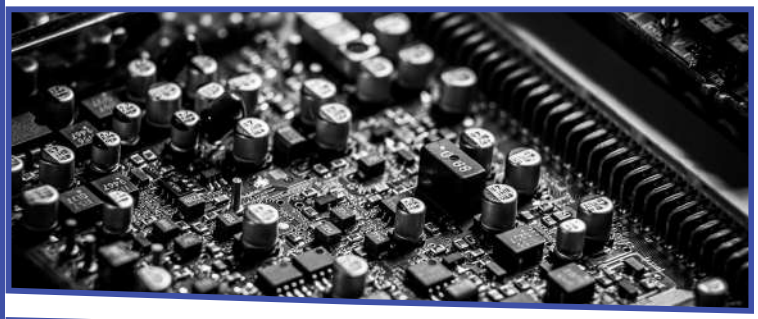
2. ROLE OF AI IN QUANTUM COMPUTING, DATA ANALYSIS, AND MACHINE LEARNING

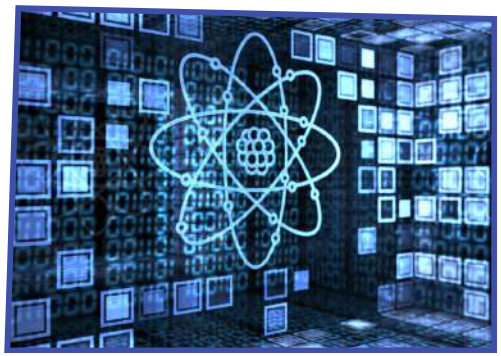
विकसित भारत अभियान 1947 TO 2047

BPIT

NATIONAL SEMINAR ON

SUSTAINABILITY & INNOVATIONS IN SEMICONDUCTOR & QUANTUM PHYSICS (NSQP - 2.0)





8th April 2025

ORGANIZED BY

DEPARTMENT OF APPLIED PHYSICS

BHAGWAN PARSHURAM INSTITUTE OF TECHNOLOGY

PSP-4, Dr. KN Katju Marg, Sector-17, Rohini, New Delhi, Delhi 110089

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EMINENT SPEAKERS

Prof. (Dr.) Manoj Saxena
Dept. of Electronics
Deen Dayal Upadhyay college, DU

Dr. OM Pal
Associate Professor
Dept. of Computer Science, DU

Ms. Pooja Khandelwal
Environmentalist & Sustainability consultant

About Us

Bhagwan Parshuram Institute of Technology, affiliated to Guru Gobind Singh Indraprastha University is renowned for its commitment to excellence in technical education. With state-of-the-art facilities and dedicated faculty, it fosters innovation and leadership in the field of engineering and technology. BPIT's holistic approach ensures students are equipped with both technical skills and ethical values to thrive in today's dynamic world.

The National seminar on "**SUSTAINABILITY & INNOVATIONS IN SEMICONDUCTOR & QUANTUM PHYSICS (NSQP - 2.0)**" aims to present the latest advancements and research in the field of material science. It is well known that semiconductor technology permeates nearly every aspect of modern life, underpinning the functionality of countless devices we rely on in our daily routines. From smartphones to computers, and medical equipment to renewable energy systems, semiconductors serve as the fundamental building blocks of electronic circuits. With the ability to precisely control the flow of electrical currents, semiconductor devices enable the miniaturization and integration of complex functionalities, leading to smaller, faster, and more energy-efficient products. As society becomes increasingly reliant on interconnected digital systems, the importance of semiconductor technology only continues to grow, shaping the trajectory of technological progress in the 21st century and beyond.

Recent breakthroughs in quantum physics have led to advancements in quantum computing, enabling faster and more efficient algorithms. Quantum entanglement experiments have pushed the boundaries of our understanding of non-local correlations, paving the way for secure quantum communication protocols. Additionally, developments in quantum teleportation have opened new possibilities for information transfer and quantum networking.

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- **Prof. Deepika Sandil (Head BRDC)**
- **Dr. Kavita Segwal**

CO-CONVENERS

- **Dr. Sugandha Gupta**
- **Dr. Arvind Sharma**
- **Dr. Umang Sharma**

STUDENT COORDINATORS

- **Kartik Jain**
- **Karnita Saumya**
- **Kautilya Jaiswal**
- **Keshav Tayal**

SUBMISSIONS

Participants are expected to send their abstracts in MS Word. The abstract should not exceed 200 words. Last date for submission of abstracts for the seminar is 30th of March, 2025.

For more details, refer : www.nsqp.bpitindia.ac.in

Best Poster award and certificates will be provided