ABSTRACT SUBMISSION

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5. Abstract should be upto 250 words, and submit latest by 3rd December, 2026.
6. Visit our Official website for all the Seminar related updates.

REGISTRATION DETAILS

S. No.	CATEGORY	REGISTRATION FEES
01.	STUDENTS	₹ 500
02.	RESEARCH SCHOLARS	₹ 750
03.	FACULTY	₹ 1000

PAYMENT DETAILS

Bank: Punjab National Bank, Branch: LNMU, Campus Darbhanga,

IFSC Code:PUNB0622700

Account Name: National Seminar, APJAKWIT

Account Number:6227000100038638

Scan to Pay

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Venue :

Kalpana Chawla Auditorium,
Dr. APJ Abdul Kalam Women's Institute of Technology
North of Raj Kila, Kadirabad,
Darbhanga-846004





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Three Days National Seminar on

ADVANCED COMPUTING AND NUCLEAR SCIENCE :

Emerging Technologies, Interdisciplinary Applications and Research Opportunities

In Collaboration with Indian Nuclear Society



7th - 9th December, 2026

DR. A.P.J. ABDUL KALAM WOMEN'S INSTITUTE OF TECHNOLOGY

Lalit Narayan Mithila University, Darbhanga



CHIEF-PATRON
Prof. Sanjay Kumar Chaudhary
Vice-Chancellor, LNMU
Darbhanga



PATRON
Dr. Divya Rani Hansda
Registrar, LNMU
Darbhanga



PRESIDENT
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ABOUT ADVANCED COMPUTING AND NUCLEAR SCIENCE

Advanced Computing and Nuclear Science represent a powerful convergence of modern technology and scientific innovation, creating new possibilities in research, development and practical applications. Emerging technologies such as Artificial Intelligence (AI), Machine Learning (ML), High-Performance Computing (HPC), Big Data Analytics, Cloud Computing and Digital Twin technology are transforming nuclear research, reactor design, simulation, monitoring, safety analysis and predictive maintenance. These technologies enable researchers to process complex scientific data, improve operational efficiency, predict potential risks and develop advanced solutions for critical challenges. Furthermore, nuclear science has significant applications in medical physics, cancer diagnosis and radiation therapy, medical imaging, computational biology, molecular research and drug discovery. GeoAI and advanced geospatial computing also contribute to nuclear power plant site selection, environmental monitoring, hazard prediction and disaster-risk management.

The integration of advanced computing with nuclear science offers immense opportunities for interdisciplinary research and technological advancement. The application of the Internet of Things (IoT), Generative AI and cybersecurity can further strengthen real-time monitoring, scientific collaboration and the protection of critical infrastructure. This evolving field requires close collaboration among computer scientists, physicists, engineers, medical professionals, biologists and environmental scientists. It also opens new avenues for students, research scholars and academicians in innovation, entrepreneurship, scientific exploration and advanced career development. The proposed National Seminar aims to provide a common platform for sharing knowledge, exchanging innovative ideas, exploring emerging research trends and promoting academic and institutional collaborations towards a safer, smarter and technologically advanced future.

Aim of this National Seminar :

- The seminar aims to explore emerging technologies in Advanced Computing and Nuclear Science and their applications across diverse scientific and technological domains.
- It seeks to promote interdisciplinary research, innovation and collaboration among students, academicians, scientists and industry professionals.
- It also aims to create awareness about emerging research opportunities and encourage the development of technology-driven solutions to contemporary societal and scientific challenges.

ABOUT LALIT NARAYAN MITHILA UNIVERSITY

Lalit Narayan Mithila University (LNMU), Darbhanga, established in 1972, is a prominent multi-faculty public university serving the educational aspirations of the Mithila region and North Bihar. Committed to excellence in higher education, research, and innovation across sciences, humanities, social sciences, and professional studies, the University plays a vital role in academic advancement, skill development, and socio-economic growth. Recognized by the Ministry of Education, Government of India, LNMU has been promoted as a Multidisciplinary Education and Research University (MERU) under the PM-USHA scheme, in alignment with NEP 2020.

ABOUT DR. A.P.J. ABDUL KALAM WOMEN'S INSTITUTE OF TECHNOLOGY

Established in 2004 as a constituent unit of Lalit Narayan Mithila University, Darbhanga, our Institute is approved by the All India Council for Technical Education (AICTE). It is the first Women's Institute of Technology in the Eastern Zone, dedicated to providing quality technical education to women in Bihar, with a special focus on the Mithilanchal region. The Institute was inaugurated by Bharat Ratna Dr. A.P.J. Abdul Kalam on 30 December 2005.

Today, the Institute is committed to empowering women through quality technical education, research, innovation, and skill development. We offer undergraduate and postgraduate programmes in Engineering & Technology and Computer Applications, supported by experienced faculty and guided by the principles of academic excellence, interdisciplinary research, and the National Education Policy (NEP) 2020.

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Dr. Rashmi Kumari

Co-Convener
Mrs. Charmis Mariwala

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- Dr. Utsav Kumar Prasar, Assistant Professor, Dr. APJAKWIT
- Mr. Vipul Kumar, Assistant Professor, Dr. APJAKWIT
- Mr. Ganesh Kumar Paswan, Assistant Professor, Dr. APJAKWIT

Key Speakers



Dr. V.K. Manchanda
President, INS
Former Head, Radiochemistry Division, BARC
Former Professor, Sung Kyun Kwan University, South Korea

Sri Anadi Kumar Sinha
Convener, Outreach Committee, INS
Former A D /NPCIL
Outstanding Scientist (OS)





Dr. Ashok Kumar Kesari
Civil Engg. Dept. IIT Delhi

Dr. Hrishikesh Mishra
Former Director,
Distinguished Scientist
Engineering Service Group





Dr. Aruna Kaushik
Scientist INMAS (DRDO), New Delhi

Sri O P Rai
Treasurer, INS
Chief Coordinator of the Seminar



Event and Schedule

07/12/2026 (Monday)	**Inaugural session;** **Keynote Lectures; Introduction to Advanced Computing and Nuclear Science**
08/12/2026 (Tuesday)	**Artificial Intelligence, Machine Learning, HPC, Digital Twins, and Nuclear Reactor Monitoring.** **Medical Physics, Nuclear Imaging, Healthcare Applications, and Cancer Diagnosis and Treatment**
09/12/2026 (Wednesday)	**Computational Biology, Molecular Research, GeoAI, Hazard Prediction, and Environmental Risk Assessment, Generative AI, Cybersecurity, IoT, Industry 5.0, Research Opportunities, Interactive Discussions,** **Valedictory Session, and Certificate Distribution**