



ONE DAY WORKSHOP ON THE
Societal Aspects of Nuclear Energy
“From the Core to the Citizen.”



Organized by: Department of Energy Science & Engineering, MANIT, Bhopal
In Collaboration with: Indian Nuclear Society

Date of Event: 17th August, 2026

Time: From 9 A.M. onwards

Venue: Lecture Hall Complex, MANIT

Registration Fee:

- **MANIT Students:** *No Fee*
- **External Students:** *Rs. 200/-*
- **External Faculty:** *Rs. 500/-*
- **Industry Professionals:** *Rs. 1,000/-*

Find payment process within Registration form →

For Registration Scan



Or use Link:

<https://forms.gle/GyJfSKguZx5SWWX27>

Registration Closes on 9th Aug, 2026 @ 11:59 p.m.

ABOUT MANIT, BHOPAL

Maulana Azad National Institute of Technology Bhopal (MANIT Bhopal) was started as Maulana Azad College of Technology (MACT) in 1960. It was declared an NIT in 2002 and an institution of national importance in India in 2007. The institute offers various undergraduate courses (including B.Tech, B.Plan and B. Arch) and postgraduate courses (including M. Tech, MSc, MBA, MCA, MRME) and PhD research programs under various departments and centres. MANIT is producing technocrats who are resources to the nation and the world. The bright students of MANIT with excellent technical skills have always contributed to the successes of various sections within the technical group. The total area of the campus is 650 acres. The entire campus consists of administrative and academic buildings, workshops, teaching blocks, a learning resource centre, library, community centre, residential area accommodation for students and staff, and other general amenities such as a post office, shopping complex, a school for children, dispensary, auditoriums, and sports complex with a vast expanse of open area.

ABOUT INS

The Indian Nuclear Society is a non-profit, registered professional body of nuclear scientists, engineers, and technologists in India, with its headquarters at Mumbai and branches at Hyderabad, Kalpakkam, Rawatbhata, Mysore, and Narora. It has more than 5,500 life members and 80 corporate members on its roll.

The Society was inaugurated in January 1988 by the late Shri J. R. D. Tata. The Society's mandate is to promote the advancement of nuclear science and technology and create awareness amongst the general public about the benefits of atomic energy to mankind. Many Prime Ministers, Presidents, and international dignitaries have graced the Annual Conferences of INS. The announcement of the recent national nuclear mission by GOI, targeting about a 12-times enhancement of nuclear power, provides new challenges and opportunities to the fraternity of nuclear scientists and technologists in the country. The Sustainable Harnessing and Advancement of Nuclear Energy for Transforming India Act, 2025 fundamentally restructures India's nuclear power framework by allowing private participation in nuclear power plant operations and related activities. INS has planned a range of training programs for industry as well as academic institutes to facilitate the achievement of the target of 100 GWe nuclear power by 2047.

The INS Newsletter is published quarterly. Under the INS FTGS program for partial support to young researchers to present their work in the areas of nuclear science and technology in international conferences/symposia, about 12 young researchers have been benefited during the last two years. INS outreach programs are held all over the country to spread the message: "Nuclear Energy and Nuclear Radiations: A boon for mankind."

ABOUT THE DEPARTMENT

The Department of Energy Science and Engineering at MANIT was established in 1997 under the Indo-UK RECs project and formally inaugurated by the former President of India, late Dr. Shankar Dayal Sharma. The Department at MANIT Bhopal stands at the forefront of sustainable technological education. Recognized by the Ministry of New and Renewable Energy (MNRE) for prestigious postgraduate and doctoral fellowships, the department offers industry-aligned programs including B.Tech in Energy and Electric Vehicles Engineering, M.Tech in Renewable Energy, and M.Sc in Energy Economics and Management. Balancing academic rigor with cutting-edge research, the department boasts nine specialized laboratories spanning solar, wind, and energy conservation technologies, further enhanced by an exclusive collaboration with Bajaj Auto under the BEST scheme to develop five state-of-the-art electric vehicle labs.

WORKSHOP OBJECTIVES

- Spark curiosity about nuclear technology's role in building a sustainable future.
- Position nuclear energy as a safe, high-potential career and research pathway.
- Inspire fresh perspectives on its useful applications across various societal sectors.
- Highlight how advancements in nuclear safety and science drive national growth.

EXPECTED OUTCOMES

Participants will gain a broad, updated perspective on modern technological solutions and their vital role in sustainable growth. The workshop will inspire both students and professionals to explore new avenues of inquiry, spark collaborative research ideas, and create a shared motivation to advance the nation's scientific and developmental goals.

TOPICS COVERED

- Fundamentals of reactor engineering & classification architectures.
- Safety culture frameworks across modern nuclear facilities.
- Radiation technology vectors for sustainable agricultural models.
- Radioactive waste management & processing wealth from waste

Who Should Attend?

This workshop is open to all interested undergraduate and postgraduate students, doctoral researchers, faculty, and professionals. It is ideal for those eager to explore interdisciplinary pathways leveraging technological advancements for national progress and sustainability.

⚠ Participants are capped at the first 200 registrations. ⚠

RESOURCE PERSONS



Shri Sunil K. Sinha

Former Head, Reactor Engineering Division, BARC

Dr. A. Rama Rao

*Former Distinguished Scientist & Director, Reactor Design and Development Group, BARC;
Former Raja Ramanna Fellow, DAE*



Dr Archana Sharma

*ANRF Prime Minister Professor, NIT Raipur;
Former Distinguished Scientist, DAE;
Ex-Director BTDG, BARC.*



Shri K. T. P. Balakrishnan

Retired Scientist at Atomic Energy, Prominent Indian Nuclear Scientist, Health & Safety Group, BARC



Dr. Hrishikesh Mishra

*Former Distinguished Scientist & Former Director, Engineering Services Group, BARC;
Former Raja Ramanna Fellow, DAE*



Dr. Jaideep Gupta, IRSEE

Former Additional Member, Railway Electrification,
Railway Board;
Visiting Professor, DESE, MANIT Bhopal



Dr. Archana Mishra

Senior Scientist, BSG, BARC;
Assistant Professor, Homi Bhabha National
Institute (HBNI)

Dr. Suruchi Jain

Nuclear Medicine; Additional Professor, AIIMS, Bhopal



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