

WORKSHOP ON GRAVITATIONAL WAVES AND LIGO-INDIA

Sponsored by
INTER-UNIVERSITY CENTRE FOR ASTRONOMY & ASTROPHYSICS (IUCAA), Pune, India

ORGANISED BY

**SILIGURI INSTITUTE OF TECHNOLOGY
&
ICARD, NORTH BENGAL UNIVERSITY**

REGISTRATION LINK

<https://forms.gle/56Gj7DEBmjFi7pJ88>



SCAN ME

Date: February 16th to 20th, 2026 | Venue: SIT & NBU



Prof. Bhooshan Gadre
IUCAA, PUNE



Dr. Apratim Ganguly
IUCAA, PUNE



Dr. Saravanan T.R.
IUCAA, PUNE



Dr. Shivaraj Kandhasamy
IUCAA, PUNE



Dr. Sandeep Joshi
IUCAA, PUNE

OBJECTIVES OF THE WORKSHOP

The primary objective of this workshop is to equip Master's and Ph.D. students in Physics, along with Engineering students from the eastern region of India, with a foundational understanding of gravitational waves (GWs) and their diverse applications. As gravitational wave astronomy continues to evolve, this field is expected to demand strong interdisciplinary expertise over the next 10–20 years, spanning physics, engineering, data science, and instrumentation. This workshop aims to highlight both theoretical and instrumental advancements in gravitational wave research, while also exploring cross-disciplinary applications such as signal processing, computing, and experimental techniques. By combining expert lectures with hands-on training sessions, the program seeks to inspire and prepare participants particularly those from Physics and Engineering backgrounds to pursue advanced studies and contribute meaningfully to the rapidly growing field of gravitational wave astronomy.

ABOUT THE ORGANIZING INSTITUTE

SILIGURI INSTITUTE OF TECHNOLOGY

Founded in 1999, the Siliguri Institute of Technology (SIT) is one of the premiere educational institution operating under the Techno India Group and stands unique in North Bengal, West Bengal, India. Located about 5 km from Siliguri city, the institute boasts a vast and scenic campus nestled amid lush tea gardens and the dense forests of Sukna, with the Sub-Himalayan ranges forming a magnificent backdrop. This serene and inspiring environment makes SIT a distinguished center of learning. The institute offers undergraduate courses in Science, Technology, Management & specialized courses, along with postgraduate programs in Management and Computer Applications.

NORTH BENGAL UNIVERSITY

University of North Bengal is a premier public university dedicated to teaching, research, and the dissemination of knowledge. Located on a scenic 315.99-acre campus at the foothills of the Himalayas, with views of the Kanchenjunga peak, the University also operates an additional campus at Jalpaiguri to expand access to higher education and research established in 1962. The University offers a wide range of undergraduate, postgraduate, M.Phil., and Ph.D. programs across more than 40 departments, covering Arts, Science, Commerce, Technology, Management, and interdisciplinary studies. Since its inception, it has played a key role in delivering quality, affordable, and job-oriented education to this socio-economically backward region while maintaining global academic standards.

IUCAA, PUNE

The Inter-University Centre for Astronomy and Astrophysics (IUCAA) is an autonomous institute under the University Grants Commission (UGC), dedicated to advancing astronomy and astrophysics in India. It integrates strong academic rigor with a dynamic research environment, innovative practices, and a distinguished faculty, aiming to deliver world-class, research-driven education that serves society and the broader advancement of humanity. IUCAA works to foster and strengthen active research groups in astronomy and astrophysics at Indian universities. Its activities are organized into two main streams: core academic programs including fundamental research, Ph.D. studies, advanced workshops and schools, the Giant Metre-Wave Radio Telescope, and guest observer programs and visitor academic programs, which comprise visiting scientist and associate schemes as well as refresher courses for teachers.

WHO CAN PARTICIPATE?

- B.Tech./M.Tech. students from Engineering disciplines (CSE, AI-ML, ECS, ECE, Electrical, Mechanical, Instrumentation, etc.)
- M.Sc. and Ph.D. students in Physics, Mathematics and Computer Science
- Early-career researchers interested in astronomy, signal processing, and experimental physics, Young Faculties from university and colleges.

IMPORTANT DATES

REGISTRATION DATE

- Registration Deadline: 25 January 2026
- Intimation to Shortlisted Candidates by 31 January 2026 (Via Mail)

REGISTRATION FEES & SEATS

- Limited seats are available & **No registration fee.**

COORDINATORS

- Prof. Bikash Chandra Paul — Professor & Coordinator, ICARD, University of North Bengal
- Dr. Apratim Ganguly — Scientist, IUCAA, Pune
- Dr. Sagar Dey — Assistant Professor, DESH, Siliguri Institute of Technology

MODE OF SELECTION

Interested candidates must fill out the Google Form, providing their personal details and a brief statement of purpose. Selection will be based on alignment with workshop objectives, seat availability, and recommendations of the organizing committee. Laptop is mandatory for the participants.

Total participants: 35 (15 outstation and 20 local).

ACCOMODATION

Outstation participants will be provided shared accommodation during the workshop period (Night of 15 February 2026 to Morning of 21 February 2026), subject to limited availability.

TRAVEL ASSISTANCE

Partial travel assistance in sleeper-class train fare will be provided to outstation participants only, between the nearest railway station and Siliguri Junction/NJP, subject to fund availability.

MEALS

Breakfast and lunch will be provided to all participants. Dinner will be provided only for outstation participants.