



Workshop on Einstein's General Theory of Relativity and Beyond

April 20–24, 2026

Organized by
Department of Physics, Assam University, Silchar (AUS)
The Inter-University Centre for Astronomy and Astrophysics (IUCAA)



Overview

Einstein's General Theory of Relativity (GR) underpins our modern understanding of gravity, cosmology, and high-energy astrophysics. Recent observational breakthroughs including the direct detection of gravitational waves, black hole imaging, and precision cosmology, have transformed GR from a purely theoretical discipline into a data-driven field, demanding researchers who are equally comfortable with its mathematical structure and its physical applications. However, many highly motivated undergraduates, postgraduates, early PhD students and young faculty members in our region do not receive systematic training in GR and the new research frontiers in this direction. The workshop aims to bridge the gap between textbook familiarity and research-level understanding, and to create a pipeline of students and teachers better equipped to contribute to the national and international GR community.

Speakers



Prof Patrick Dasgupta
Delhi University



Dr. Apratim Ganguly
IUCAA



Dr. Bhaswati Mandal
ISI, Kolkata



Dr. Sayan Chakrabarti
IIT, Guwahati

Eligibility:

Advanced Undergraduate / Post Graduate students/ Research Scholars and young Faculty members of Physics or Mathematics Background.

Outstation participants will be provided TA (Train Sleeper Class), boarding and lodging.

REGISTRATION LINK: <https://forms.gle/eqXkygi3dqUi7wTm8>

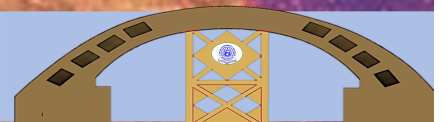
Registration deadline: **March 25, 2026**

Intimation of Selection: **March 27, 2025**

Contact: atri.deshamukhya@aus.ac.in

Co-ordinators

Dr Apratim Ganguly, IUCAA, PUNE,
Prof Atri Deshamukhya and Prof Himadri Sekhar Das, Assam University, Silchar



List of Participants

Sl. No.	Name	Affiliation
1	Arun G	National Institute of Technology Agartala
2	Dhriti Mukherjee	Karimganj College
3	Mrityunjoy Bikram J Baruah	Assam Science and Technology University
4	Rikam Kalita	Bhattadev University
5	Nipam Chakravorty	Tezpur University
6	Rajat Sarmah	Tezpur University
7	Dona Biswas	Rabindranath Thakur Vishwavidyalaya
8	A Anupama Devi	Rabindranath Thakur Vishwavidyalaya
9	Dr. Saswati Roy	NIT Agartala
10	Dr. Abinash Suklabaidya	PDUAM Eraligool, Sribhumi
11	Nabajit Kalita	Gauhati University
12	Sanandita Chakraborty	Gurucharan University, Silchar
13	Soraisam Brinda Dzungri	Assam University, Silchar
14	Arpita Bhattacharjee	Assam University, Silchar
15	Lipsha Pradhan	Assam University, Silchar
16	Sabyasachee Bose	Assam University, Silchar
17	Giriraj Yadav	Assam University, Silchar
18	Rishab Ranjan Roy	Assam University, Silchar
19	M Susmita Singha	Assam University, Silchar
20	Bijoy Chandra Debnath	Assam University, Silchar
21	Dipana Barman	Assam University, Silchar
22	Pradeep Dhar	Assam University, Silchar
23	Swagota Barman	Assam University, Silchar
24	Samir Saha	Assam University, Silchar
25	Sambit Kumar Mohanta	Assam University, Silchar
26	Shreejai Chakraborty	Assam University, Silchar
27	Dibakar Debnath	Assam University, Silchar
28	Chandana Amphi	Assam University, Silchar
29	Souramita Nath	Assam University, Silchar
30	Anurag Das Kanungo	Assam University, Silchar
31	Saptadeep Nath	Assam University, Silchar
32	Hrishikesh Sarma	Assam University, Silchar
33	Boinao Meikam	Assam University, Silchar
34	Keisham Vasker Singh	Assam University, Silchar
35	Monoswini Chakravorty	Assam University, Silchar
36	Sonali Borah	Assam University, Silchar
37	Sourav Choudhury	Assam University, Silchar
38	Bhaskarjyoti Barman	Assam University, Silchar
39	Biki Prasad	Assam University, Silchar
40	Nambram Niroda Devi	Assam University, Silchar
41	N Bevan Arena Kharbithai	Assam University, Silchar
42	Sanchali Nath Mazumdar	Assam University, Silchar
43	Debolina Paul	Assam University, Silchar
44	Priyangshu Barman	Assam University, Silchar
45	Afifa sultana	Assam University, Silchar
46	Deepanjan Paul	Assam University, Silchar
47	Nakemuz Zaman Barbhuiya	Assam University, Silchar
48	Haidar Hussain	Assam University, Silchar
49	Karttick Chandra Patra	Assam University, Silchar