



Workshop on Gravitation and Cosmology

Organized by

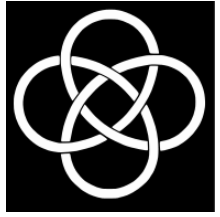
Department of Mathematics and Statistics

Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur, India

Sponsored by

IUCAA Centre for Astronomy Research and Development (ICARD) Pune, India

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About University

Deen Dayal Upadhyaya Gorakhpur University is the first university in Uttar Pradesh to emerge as a leading higher-studies centre after Independence. The university's A++ accreditation by NAAC demonstrates its dedication to excellence in education and academic standards. It has since made phenomenal progress in all academic spheres within a span of time from its existence, it has grown into a Centre of academic excellence contributing significantly to the development of youth in particular and society at large in the most densely populated and agrarian-based region of eastern UP. University campus is home to the best-in-class infrastructure including state of art research facilities and modern laboratories, providing quality education to its students; the campus involves the latest technology to impart education. The university offers courses in various disciplines.

About ICARD

IUCAA Centre for Astronomy Research and Development (ICARD) have been established at various Universities and Colleges in India. The primary functions of the ICARDs are the development of upto date course structures and new kinds of experiment/data analysis sessions which can be a part of a starting or existing Astronomy course in a University. This frequent workshops/schools/meetings at various levels at the host University/College and at nearby regions.

About the Workshop

The *Workshop on Gravitation and Cosmology* is proposed for M.Sc., Ph.D. students and researchers working in the field of General relativity and Cosmology who are passionate about exploring the profound implications of gravitational theory on the understanding of the universe. This workshop will be a unique forum for participants to engage in discussions, share groundbreaking research, and foster collaborations that push the boundaries of our knowledge in these fundamental areas of theoretical physics. Structured as a series of lectures, presentations, and interactive discussions, the workshop will cover a spectrum of topics, including the mathematical foundations of General Relativity, Gravitational Waves, Black Holes, Cosmological Models and Data Analysis techniques.

Eligibility Criteria for participants

Student in the final year M.Sc. (Mathematics/Physics/Astronomy), Ph.D. Students working in the field of Gravitation/Cosmology/Astrophysics and Researchers who are working in related field. Outstation participants will be provided TA and free accommodation as per norms. There is no registration fee.

For registration visit website: <https://sites.google.com/view/ddugu-iucaa-workshop>