THE HOST INSTITUTION

## About the College

**Goswami Ganesh Dutta Sanatan Dharma College**, Sector 32-C, Chandigarh, is a premier co-educational institution affiliated to Panjab University and accredited **Grade 'A+' by NAAC**. Across the sciences, commerce, humanities and management it has built a reputation for rigorous teaching, an active research culture and sustained investment in laboratory infrastructure.

| A+ | 70th | 5th | 1 |
|---|---|---|---|
| NAAC GRADE | NIRF RANK | SERIES | DAY, ON CAMPUS |

THE ORGANISERS

## Post-Graduate Department of Physics

The Department offers undergraduate and post-graduate programmes in Physics and supports active research across **quantum mechanics, condensed matter physics, nuclear and plasma physics, astrophysics, complex networks and nonlinear dynamics**. The faculty have published papers in peer-reviewed international journals and supervise research scholars, while well-equipped teaching and research laboratories give students hands-on exposure.

**BOSONS**, the departmental society, runs the seminars, quizzes, model exhibitions and outreach activities that sustain a year-round scientific culture — and hosts this conference series.

> *Physics advances fastest at its boundaries — where quantum theory meets materials, where observation meets computation, and where a settled method meets a problem it was never built for.*

UNDER THE AEGIS OF

**Ms. Vaishali Sharma**
CHIEF PATRON
President, GGDSD College Society, Chandigarh

**Dr. Ajay Sharma**
PATRON
Principal, GGDSD College, Sector 32-C, Chandigarh

CONFERENCE SECRETARIAT

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**Dr. Sandeep Kumar Sharma**
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ORGANISING COMMITTEE

- Dr. Sanjeev Kumar, Assistant Professor
- Dr. Kriti Sharma, Assistant Professor
- Dr. Samandeep Sharma, Assistant Professor
- Dr. Vikram Sagar, Assistant Professor
- Mr. Rajwinder Singh, Assistant Professor
- Mr. Surinder
- Mr. Pawan

STUDENT COORDINATORS

- Mehak
- Bhoomika
- Wamika
- Sakshi
- Mehakpreet
- Tanya
- Chirag
- Harkanwal
- Saksham

CORRESPONDENCE

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Chandigarh — 160030, India
**physics@ggdsd.ac.in**

**Goswami Ganesh Dutta Sanatan Dharma College**

Sector 32-C, Chandigarh · NAAC Grade 'A+' · NIRF Rank 70th · Affiliated to Panjab University

5TH NATIONAL CONFERENCE ON

# Recent Advances in *Physics*

# RAP-2026

DATE
**Friday, 23 October 2026**
One day · On campus, in person

VENUE
**Mini Auditorium**
GGDSD College, Sector 32-C, Chandigarh

Organised by the **Post-Graduate Department of Physics**
physics@ggdsd.ac.in

ABOUT THE CONFERENCE

## One room, one day, the whole of physics

Each year the Post-Graduate Department of Physics convenes its National Conference to bring current work into one room. Now in its fifth edition, **RAP-2026** invites researchers, academicians and research scholars to present and debate recent advances across the breadth of physics, together with the interdisciplinary ground emerging between them.

The programme pairs invited lectures by distinguished physicists with poster and oral sessions open to every registered participant — deliberately weighted towards conversation between established researchers and those beginning their work.

THEMES

- **Quantum Mechanics & Quantum Information** — Foundations, computation, optics
- **Condensed Matter & Materials Physics** — Thin films, nanostructures, functional materials
- **Nuclear & Particle Physics** — Reactions, structure, confinement, diagnostics
- **Astrophysics & Plasma Physics** — Stellar physics, high-energy astrophysics, gravitation
- **Complex Networks & Nonlinear Dynamics** — Synchronisation, chaos, statistical physics
- **Computational & Interdisciplinary Physics** — Simulation, data-driven methods, physics at the boundaries

KEYNOTE ADDRESS

**Prof. Akash Deep**

Scientist – G · Chairperson, Central Instrument Facility
Institute of Nano Science and Technology, Mohali

TITLE OF TALK

*"Metal-organic Frameworks as Emerging Materials from Energy and Environmental Applications"*

INVITED SPEAKERS

INVITED LECTURE I
**Dr. Rajesh V. Nair**
Professor
Department of Physics · IIT Ropar

INVITED LECTURE II
**Dr. Vikrant Sharma**
Deputy Director
National Institute of Solar Energy · Gwalpahari, Gurgaon

INVITED LECTURE III
**Dr. Sandeep Kumar**
Professor & Head
Department of Physics · PEC, Chandigarh

PARTICIPATION

## What the Programme Offers

- ✓ **Invited lectures** — Distinguished physicists from leading national institutes
- ✓ **Oral & poster sessions** — Open to every registered participant
- ✓ **Best Poster & Oral Presentation Awards** — Judged across all thematic tracks
- ✓ **Full paper publication*** — Selected papers forwarded to peer-reviewed journals
- ✓ **Certificates & conference kit** — For all registered participants

* Subject to journal acceptance and applicable publication charges.

REGISTRATION FEES

| | |
|---|---|
| Students | Rs. 200 |
| Research Scholars | Rs. 500 |
| Faculty Members | Rs. 500 |

IMPORTANT DATES

- 21st September 2026 — Registration opens
- 10th October 2026 — Abstract submission deadline
- 15th October 2026 — Full paper submission deadline
- 23rd October 2026 — Conference day

**Best Poster & Best Oral Presentation Awards**
Open to every registered participant

→ **Register online**
Scan the code, or open the form at
forms.gle/YQm46zmnkLBdepFc6

**Registration Link: https://forms.gle/YQm46zmnkLBdepFc6**