

# Workshop On Advances in Partial Differential Equations

Theory, Methods, and Applications

Department of Mathematical Sciences  
Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh, India

Dates: February 26-27, 2026

Hybrid Mode

## About the Workshop

Partial Differential Equations (PDEs) play a fundamental role in modeling phenomena arising in science, engineering, finance, and technology. Rapid developments in analytical techniques, numerical methods, and computational tools have significantly enhanced our ability to understand complex physical systems.

This workshop aims to bring together researchers, faculty members, and students to explore recent advances in the theory, numerical analysis, and applications of partial differential equations. The program will feature invited lectures by experts, tutorial sessions, and interactive discussions designed to promote research collaboration and knowledge exchange. The workshop is part of the SSR activity under an ANRF-sponsored project.

## Aim of the Workshop

- Provide exposure to recent developments in PDE theory and computation.
- Introduce modern numerical and computational techniques for PDEs.
- Encourage interdisciplinary research involving PDE models.
- Support capacity building among college and university teachers.
- Bridge the gap between theoretical analysis and practical applications.

## Resource Persons (Tentative)

- Dr. Mukesh Kumar, University of Houston
- Dr. Ratikanta Behera, IISc Bangalore
- Dr. Pratibhamoy Das, IIT Patna

## Who Can Apply?

- Faculty members from universities and colleges
- Researchers and Postdocs
- Ph.D. scholars
- PG students (Mathematics/Engineering)

## Organizing Committee

### Coordinator

Dr. Sunil Kumar

### Co-Coordinators

Dr. Manish Kumar Khandelwal

Dr. Abhash Kumar Jha

## Registration

**Registration Fee:** NIL

**Register Here:**

<https://forms.gle/iEv3uuNvqwseaJV8A>

Last Date: February 24, 2026

**Limited to 40 participants.** No TA/DA and accommodation provided for offline participation.

Digital certificates will be provided upon request.

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