Call for papers

Original research papers relevant to the seminar theme (but not limited to) are invited.

All submissions will be reviewed by the academic committee.

Accepted papers will be presented orally during the seminar.

Last date for submission:
15 February 2026.

Further details regarding paper format and presentation schedule will be communicated to the selected participants.

Organising Committee

Fr. Antonio Salema
Administrator

Ms. Ursula Barreto
Officiating Principal

Dr. B. C. Nair
Head of Mathematics Department

Mr. Gajanan Parab
Assistant Professor
Convenor

Dr. Jervin Zen Lobo
Assistant Professor

Mr. Rahul Naik
Assistant Professor

Mr. Swapnil Belekar
Assistant Professor

Mr. Soham Ashvekar
Assistant Professor

Who can apply?

- Teaching faculty from Undergraduate and Post graduate Courses in Mathematics, Physics and Computer Science.
- Research Scholars, UG & PG students
- Seeking to update their skills with modern computational approaches for research and pedagogy.

Registration Details :

The registration fee to be paid in favour of

St. Xavier's College
Bank : Central Bank of India
Branch : St. Xavier's College, Mapusa Goa
Account number : 1683133661
IFSC code : CBIN0284049

Teaching faculty: Rs.1000
Research Scholars: Rs.500
UG & PG students and others: Rs.300

How to Register?

- The registration form must be filled on or before 15 February 2026 by 5 p.m.
- To register scan the QR Code given below.

- Accommodation will be arranged for outstation participants on prior request.

Contact for Accommodation:
Dr. B. C. Nair - 9764326560

No TA/DA will be provided

Distance from:

- Manohar International airport, Mopa (GOX) -18.4 kms
- Goa International Airport, Dabolim (GOI) - 48.2 kms
- Tivim Railway Station- 9.8 kms

For any clarification contact:
Mr. Gajanan Parab - 9764923648

St. Xavier's College
Mapusa-Goa

Awarded "College with Potential for Excellence" by UGC (2004)
Accredited by NAAC with grade "A" 4th cycle (2019)
Awarded the DBT star College Scheme (2021)

4 QUALITY EDUCATION

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

National Seminar on

Recent Trends in Partial Differential Equations

Organized by
Department of Mathematics

Supported by
Directorate of Higher Education (DHE)
Government of Goa, Porvorim Goa

27th & 28th February 2026

About St. Xavier's College, Mapusa, Goa

St. Xavier's College, Mapusa is one of Goa's premier institutions of higher education, established in 1963 and managed by the Diocesan Society of Education. The College is affiliated to Goa University and is known for its commitment to academic excellence, discipline, and holistic development.

Located on a scenic 22-acre hillock campus, the college provides a vibrant learning environment with modern classrooms, well-equipped laboratories, a rich library, seminar halls, sports facilities, and a dedicated research centre.

The college offers a wide range of Undergraduate and Postgraduate programmes across Science, Arts, Commerce, BBA, and BCA, along with active research and co-curricular initiatives.

Guided by its motto "In Virtue and Knowledge," St. Xavier's College continues to nurture responsible, skilled, and value-oriented individuals contributing meaningfully to society.

About Mathematics Department

The Mathematics Department at St. Xavier's College, Mapusa is dynamic and academically vibrant, dedicated to excellence in teaching, research, and student development. With a strong emphasis on both theoretical foundations and practical applications, the department plays a vital role in fostering analytical thinking and problem-solving skills among students.

About the seminar

The seminar on "Recent Trends in Partial Differential Equations" is organized to provide a comprehensive forum for the dissemination and discussion of recent advancements in the theory and applications of partial differential equations, a core area of contemporary mathematical research.

Partial differential equations constitute a fundamental tool for modelling complex phenomena across diverse disciplines, including physics, engineering, materials science, biology, finance, and data science. etc.

This seminar will focus on research directions such as

- Optimization problems
- Mathematical modelling using PDE'S
- Solving Non-linear partial differential equations and their implications
- Computational Fluid Dynamics (CFD)
- Challenges and Opportunities in Numerical Computations in Partial Differential Equations
- Advanced Numerical Techniques and tools for PDE'S.

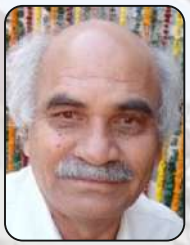
Through the invited lectures delivered by experts in the field, the seminar seeks to promote academic interaction, expose participants to current research challenges and open problems and encourage collaborative and interdisciplinary research. The programme is expected to benefit faculty members, research scholars, students by enhancing their understanding of contemporary developments and future directions in partial differential equations.

The seminar aims to bring together academicians, researchers, and students to explore classical and modern developments in Partial Differential Equations. It highlights theoretical foundations, numerical techniques, multidisciplinary and interdisciplinary applications.

Resource Persons

Dr. A.K. Nandakumaran
Chairman &Professor,
Department of Mathematics,
Indian Institute of Science,
Bengaluru

Dr. Amiya Kumar Pani
Professor,
Department of Mathematics,
BITS Pilani,
K. K. Birla Goa Campus,
Goa



Dr. T. Venkatesh
Director,
Mathematical Sciences Institute,
Belagavi

Dr. Y. Sudhakar
Program Chair & Associate Professor,
School of Mechanical Sciences,
Indian Institute of Technology Goa,
Goa

Dr. Saumya Bajpai
Program Chair & Associate Professor
School of Mathematics
and Computer Science,
Indian Institute of Technology Goa,
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