



Department of Mathematics University of Rajasthan, Jaipur

Organizing

National Webinar

on

Emerging Domains in Mathematics: Real World Applications

on

Patron



Prof. Rajeev Jain
Hon'ble Vice Chancellor
University of Rajasthan

22nd November, 2021

For registration

till 20th November, 2021 :

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Convener



Prof. Paresh Vyas
Head
Department of Mathematics
University of Rajasthan

Speakers



Prof. A. H. Hasmani

Sardar Patel University,
Gujarat



Prof. Deepa Sinha

South Asian University,
New Delhi



Prof. B. S. Bhadauria

Babasaheb Bhimrao
Ambedkar University,
Lucknow



Dr B. J. Gireesha

Kuvempu University,
Karnataka

ABOUT THE DEPARTMENT

The Department of Mathematics, University of Rajasthan established in the year 1960, offers P.G., M. Phil. and Ph.D. Degree programmes. The Department is enriched with NBHM library and well equipped Computer Laboratory set up under FIST program by DST. Department has been awarded DRS-II under SAP by the UGC for five years. The Department has active research programmes in a number of different areas of Pure and Applied Mathematics.

The Theme

The growth of Mathematics as a branch of knowledge is so phenomenal that it's almost every offshoot emerged as a full-fledged discipline. These disciplines proved to be instrumental in devising / designing systems of dynamic world. In fact, variety of theories with robust mathematical environment supplemented with state of art simulation support in terms of digital machines and methods enabled to peep into complex systems. The webinar is an attempt to bring forth various emerging domains ranging from concepts to solution strategies, challenges and intricacies having potential to tread on new realms.

The central objective of the webinar is to offer platform to the stakeholders for invigorating ideas in the form of paper presentations and invited talks.

The topics of interest are:

- Boundary Layer Theory
- Cosmology and Relativity
- Differential Equations
- Fluid Mechanics
- Fractional Calculus
- Graph Theory
- Heat Transfer
- Magentohydrodynamics
- Non Linear Dynamical Systems and Chaos
- Numerical Analysis
- Operations Research
- Special Functions and Integral Transform
- Statistical Methods

Organizing Committee

Coordinators

Dr Shalini Jain,
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- Dr Surekha Jain, Assistant Professor
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