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- Prof. K. Rajeshwari, Retd. Professor, Devi Ahilya University, Indore

## Publication of the Papers:

Selected papers presented in the conference will be published in the **Journal of Shivaji University: Science and Technology (ISSN-0250-5347)** after reviewing the full-length papers by the editors and reviewers.

## Nearby Places to Visit:

Mahalaxmi (Ambabai) Temple, Panhala Fort (historical place), Jotiba Temple, Kanheri Math, New Palace, etc.

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-------------------------------- Patron --------------------------------

### Prof. D. T. Shirke
Hon'ble Vice-Chancellor,
Shivaji University, Kolhapur

### Prof. P. S. Patil
Hon'ble Pro Vice-Chancellor,
Shivaji University, Kolhapur

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### Dr. (Smt) S. S. Patil
Finance & Accounts Officer
Shivaji University.

### Prof. (Mrs.) S. H. Thakar
Head, Department of Mathematics
& Dean, Faculty of Science and Technology,
Shivaji University, Kolhapur

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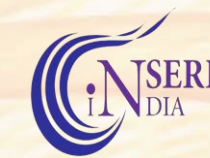-------------------- Organizing Committee --------------------

Dr. M. T. Gophane        Dr. K. D. Kucche
Dr. (Mrs.) J. P. Kharade    Dr. J. P. Bhosale
Mr. S. D. Thite

### Convener:
### Dr. Sunil S. Kumbhar
Department of Mathematics,
Shivaji University, Kolhapur 416004.
Mobile No.: +91 9822703642
Email ID: ncoam2025@gmail.com

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शिवाजी विद्यापीठ, कोल्हापूर
## SHIVAJI UNIVERSITY, KOLHAPUR
Estd-1962 - recognized by UGC U/s 2(f) and 12 (B)
NAAC "A++" Grade with CGPA 3.52

## National Conference on Applicable Mathematics-2025
## March 3-4, 2025

### Organized by

## Department of Mathematics, Shivaji University, Kolhapur Maharashtra, India

### Sponsored by

**Anusandhan National Research Foundation (ANRF): Science and Engineering Research Board (SERB)**

**Venue**
**Department of Mathematics, Shivaji University, Kolhapur 416004**

## About the University:

Shivaji University, established in 1962, is named after the Great Maratha Warrior and founder of the Maratha empire Chhatrapati Shivaji Maharaj. It was inaugurated on 18th November, 1962 by Dr. Radhakrishnan, the then President of India. One of the major objectives behind foundation of this University was to cater to the regional needs of South Maharashtra. The jurisdiction of the University is spread over three districts viz. Kolhapur, Sangli and Satara.

## About the Department:

The Department of Mathematics was established in the year 1964. Department has two Professors, two Associate Professors and seven Assistant Professors, total eleven sanctioned posts. The department has always updated itself and changed the thrust areas of teaching and research over the years in keeping with the UGC and CSIR guidelines.

Research thrust areas of the Department are Numerical Analysis, Lattice Theory, Fractional Calculus and Dynamical Systems. The Department has its own library, having more than 6000 books and funded by National Board of Higher Mathematics (NBHM). The Department offers M.Sc. (Mathematics), M.Sc. (Mathematics with Computer Applications) and Ph.D. programs.

## About the Conference:

Department has been organizing the "National Conference on Applicable Mathematics-2025" on the occasion of superannuation of Prof. Dr. (Smt.) S. H. Thakar, Head, Department of Mathematics. Since 2005, she is sincerely contributing towards academics, research and administration in the Department and University. Among her total service, she has been working as head of the Department for 11 years and accelerated the Department in all directions. Since 2022, she is contributing as a Dean, Faculty of Science and Technology in the University. She successfully guided seven Ph.D. and three M. Phil. students during her tenure.

On the occasion of this conference, she is being honored by organizing symposium on her valuable contribution towards academic and research work.

In this conference a memorial lecture dedicated to Late Dr. Chandrakant S. Manjarekar is being organized in the memory of his academic and research contribution. He was a faculty member in the Department during 1990 to 2010. During his tenure, he has taught many courses to the PG students and invented new knowledge in the area of Lattice Theory. He successfully guided four Ph.D. and four M.Phil. students.

## Aim and Objective of the Conference:

The objective of this conference is to bring together the young aspirants, research scholars, faculty members, scientists and academicians from Colleges, Universities and Institutions across the country and provide them a platform to share their work experiences in Mathematics through invited talks, paper presentations and interactive discussions. Through this conference, it is aimed to encourage the young researchers to peruse research in Applicable Mathematics.

## Topics of the Conference:

Topics of the conference include but are not limited to the following:

- Numerical Analysis
- Analysis
- Fluid Dynamics
- Dynamical Systems
- Mechanics
- Lattice Theory
- Discrete Mathematics
- Fractional Calculus
- Computational Fluid Dynamics
- Differential Equations
- Number Theory
- Linear Algebra
- Algebra
- Fuzzy Mathematics
- Operations Research

## Registration Fee:

The registration fee is non-refundable and must be paid online. Registration fee shall cover meal during the period of conference and conference kit.

| Registration Category | Fee (in Rs.) |
|---|---|
| Scientist / Faculty Member | Rs. 1500 |
| Research Scholar / Accompanying Person | Rs. 1000 |
| PG Student | Rs. 700 |

## Registration:

The participants are requested to register for National Conference on Applicable Mathematics -2025 through the following link or QR code.

https://sukapps.unishivaji.ac.in/WorkshopConferenceSeminarPro_app/#/login

Payment Mode: Debit Card / Credit Card / Net Banking / UPI

## Accommodation:

The accommodation will be made available in the University Guest House, Boys Hostel, Girls Hostel on prior request.

## Important Dates:

**Submission of Abstract** : 20 February 2025.
**Acceptance of Abstract** : 22 February 2025.
**Full Paper Submission** : 28 February 2025.
**Deadline for Registration** : 28 February 2025.

Participants are requested to prepare abstract of the paper in the MS word template given in the following link and send it to ncoam2025@gmail.com after completion of online registration.

Link for abstract template:

https://docs.google.com/document/d/1wZkTRtmqYASMIrJyJclLyCkHlvQ3dbuK/edit

After successful completion of payment please fill the following google form:

https://forms.gle/z6vtfM3F9aAN6de49