# Shivaji University, Kolhapur
# Department of Statistics

### organises

# International Conference on

# Advances in Statistical Methods, Data Science and Official Statistics

## June 19-21, 2025

**For more details, visit conference webpage**

https://www.unishivaji.ac.in/workshops/

## About the Conference

In today's data-driven world, the field of statistics have become more crucial than ever. Statistics is at the heart of how we understand and navigate complex challenges, driving innovation, informing policy, and enhancing decision-making across diverse sectors. Statistical Methods form the foundation of rigorous analysis, enabling us to interpret data accurately and make informed predictions. Data Science has revolutionized the way we handle and analyse data. By integrating statistical methods with computational techniques and domain expertise, data science enables us to extract meaningful information from large and often unstructured datasets. Official Statistics play a critical role in providing reliable and comprehensive data that informs public policy and economic planning. As governments and organizations rely on official statistics for decision-making, the accuracy, transparency, and timeliness of these statistics are vital.

This conference aims to bring together leading researchers, academicians, and professionals from across the globe to discuss the latest developments and innovations in the field of statistics. The conference will provide a dynamic platform for the exchange of ideas and knowledge on cutting-edge statistical methodologies, the evolving landscape of data science, and the critical role of official statistics in policy-making and governance. With the increasing importance of data-driven decision-making in various sectors, this conference seeks to explore how statistical methods and data science can be harnessed to address complex real-world challenges.

## About the University:

Shivaji University, established in 1962, is named after the founder of the Maratha Empire Chhatrapati Shivaji. 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 southern Maharashtra. The jurisdiction of the University is spread over three districts viz. Kolhapur, Sangli and Satara with student strength of about 300000, studying in 293 affiliated colleges, recognized institutes, and 34 university departments. The University has signed number of MoUs with various research institutions of national and international repute. University has started innovative programmes in AIML, Nano Science & Technology, Social work and Rural Studies. The University's efforts towards excellence are being recognized by the substantial grants received from funding agencies like UGC, DST, DBT, PM-USHA etc. The university has been accredited with A++ Grade by NAAC with CPGA 3.52.

## About the Department:

The Department of Statistics was established in the year 1982. It has been supported by Department of Science & Technology through its DST-FIST program, and UGC through its SAP program. The Department offers M.Sc. and Ph. D programmes. It has received grants under Innovative Program Scheme of UGC to initiate M.Sc. (Applied Statistics and Informatics) program since academic year 2013-14. Alumni of the Department are presently working in all over India and abroad in various sectors. The departmental and the central library have a fairly rich collection of books and journals in various diversified areas. The Department has a well-equipped computer laboratory with 100+ PCs, and SYSTAT, SAS, MATLAB, MINITAB, STATISTICA and SPSS Software. The Department has excellent research infrastructure and facilities. The thrust research areas of the department are Statistical Modeling and Inference, Statistical Process Control and Optimization.

### Focus Areas:

Focus areas of the conference include, but not limited to, the following topics:

- Probability Theory
- Distribution Theory
- Statistical Inference
- Regression Modeling
- Time Series Modeling
- Bayesian Inference
- Simulation Techniques
- Statistical Process Control
- Reliability Theory
- Survival Analysis
- Stochastic Processes
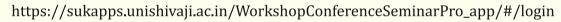- Survey Sampling
- Design and Analysis of experiments
- Operation Research
- Biostatistics
- Data Science
- Artificial Intelligence
- Machine Learning
- Deep Learning
- Natural Language Processing
- Computer Vision
- Official Statistics
- Health Statistics
- Demography and Population Studies
- Data Science in Policy Research
- Case Studies

### Call for Abstract

Researchers, teachers, and statistical practitioners are invited to submit abstracts of their papers before the scheduled date by email to **suk.icasdo@gmail.com**. Abstract should be sent in MS Word format containing Title, author-names along with the affiliation, and should be max of 250 words. Abstracts will be reviewed and selection of the papers will be based on the recommendation of the review committee.

### Registration

The registration process is online. For this, kindly visit the following webpage or scan QR code

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

### Registration fee

| Category of delegates | Registration Fee |
|---|---|
| Faculty/Researcher (from academia) | Rs. 3500/- |
| Research student | Rs. 2500/- |
| Industry Professional | Rs. 4000/- |
| Foreign Delegate | 125 USD |
| Accompanying Person | Rs. 1500/- |
| Masters student* | Rs. 1000/-* |

* It may be reduced or waved off depending on the grants to be received.

Registration fee is non-refundable and includes accesses to all sessions in the conference, conference material, registration kit, meals, tea, and snacks.

### Important deadlines

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|---|---|
| Abstract submission | April 30, 2025 |
| Notification of acceptance of the abstract | May 05, 2025 |
| Registration | May 10, 2025 |

## Accommodation

Economy to 4-star hotels are available within the range of 3-4 km from the conference venue. The list of Hotels is available on the conference webpage. Limited paid accommodation will be provided on the University campus upon request. This will be an ordinary type of shared accommodation. The request for accommodation can be made on the online registration form. The charges of the accommodation on campus may be waived off depending on the availability of funds.

## How to Reach Kolhapur

Kolhapur city is well connected by air, rail, and roads. Shivaji University is at the distance of 5 km from the airport and 4 km from the railway terminus & Central Bus Stand.

**Air :** Kolhapur airport is well-connected with flights from Mumbai, Hyderabad, Bangalore, Tirupati and Ahmedabad. Also, participants can reach Kolhapur by using nearest airports like Belgaum/Belgavi and Pune.

**Railway:** Chatrapati Shahu Maharaj Terminus, Kolhapur is well-connected with trains from Mumbai, Delhi, Bangalore, Hyderabad, Nagpur, Ahmedabad, and Solapur. Miraj is nearest railway junction connected to Kolhapur.

## Patrons

| **Prof. D. T. Shirke** | **Prof. P. S. Patil** |
|---|---|
| Hon. Vice Chancellor, Shivaji University, Kolhapur | Hon. Pro-Vice Chancellor, Shivaji University, Kolhapur |

## Advisory Committee

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  Retired Professor, Shivaji University, Kolhapur
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  Retired Professor, Shivaji University, Kolhapur
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