

# International Conference on Statistics, Data Science and Reliability: Exploring Trends, Methods & Applications

# 2023 SDSRETMA

December 24-26, 2023



Organized by  
**Department of Statistics, Maharshi Dayanand University  
Rohtak-124001, Haryana (India)**  
(NAAC Accredited 'A+')

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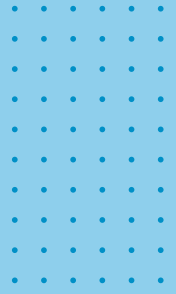
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## ABOUT THE CONFERENCE

The conference aims mainly to focus on the latest technological and scientific developments in Statistics / Data Science / Reliability Theory and their applications in different spheres of life. Also, it provides a common platform to bring the young researchers, academicians, practitioners, industrialists and the corporate personnel whose deliberations at this statistical academic bonanza will help in enhancing the quality of statistical education in the country. The conference is scheduled to have a lot of activities like keynote address, plenary talks, and invited talks by eminent scholars of the subjects from academia, industry and management sectors. They will be invited for lighting innovative ideas in marching ahead to achieve global standards in leading to quality of life. Besides this, symposia on the topics on current interest and theme of the conference will be organized. A special session in the memory of Prof. C.R. Rao will also be conducted during the conference.

## ABOUT THE UNIVERSITY

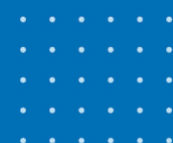
Maharshi Dayanand University, Rohtak established in 1976, is a confederation of 12 Faculties, 38 Departments, Centre for Distance and Online Learning, one Off-Campus Centre for Professional & Applied Studies and a number of affiliated colleges. The university was accredited with 'A+' grading by NAAC in March 2019. The university has been placed at 96th rank amongst Indian Universities by Ministry of Human Resource Development, Govt. of India as a part of NIRF survey 2023. The university with its well qualified faculty members, large & clean campus, excellent infrastructure and student support system, aims not only to promote inter-disciplinary higher education and research but also set itself as a leading centre of higher education with sincere commitment towards community and society.

## ABOUT THE CITY ROHTAK

The city Rohtak is a medium sized town of the Haryana State well connected by rail and road. It is strategically located about 80 Kms West of Delhi on the Delhi-Ferozpur railway route and Delhi-Hisar-Ganganagar National Highway No. 09. There is a 5-minute bus service between Rohtak and Delhi, the capital of India. The town has been flourishing ever since the creation of Haryana state in 1966, and is now known as the Education Hub of the state. The city Rohtak is about 70 Km from Indira Gandhi International Airport (Terminal-3), New Delhi. There will be a winter season during conference days and the temperature will vary between 10°C - 20°C.

## ABOUT THE DEPARTMENT

The Department of Statistics came in to existence in June, 1991. The Department, since its inception, has been working in tune with the mission of the University to promote teaching, research and consultancy. The vision of the Department is to become world class facility centre in allied and specialized areas of statistics nationally and internationally, through post graduate courses, research, expertise, publications and resources in Statistics and to cater the requirements of users of Statistics in varied fields. Besides teaching, one of the remarkable activities of the Department has been the vigorous research studies done by the faculty members and the research scholars in both the theoretical and applied Statistics. The thrust areas of research in the Department are: Sampling Theory, Reliability Theory & Modeling, Stochastic Processes, Information Theory, Applied Statistics, Design of Experiments and Operations Research. The faculty members and research scholars have to their credit hundreds of research papers published in journals of good impact factors. Presently about 08 research scholars are pursuing their research work under the able guidance of the faculty members. The department has to its credit produced so far about 150 Ph.D.'s which the testimony is by any standards. As a mile stone, the department has successfully completed several academic activities in the form of Workshops/Seminars/Conferences of National and International level. The Department has also completed DRS-I Special Assistance Program (SAP) sanctioned by the UGC in the year 2010 to carry out research and academic activities. The faculty members of the Department have completed Major/Minor research projects funded by the UGC, New Delhi & Department of Science & Technology (DST), Govt. of India.



## INDIAN ASSOCIATION FOR RELIABILITY AND STATISTICS (IARS)

The Indian Association for Reliability and Statistics (IARS) was established in the month of January, 2014 under the Haryana Registration and Regulation of Societies Act, 2012 with the objectives to cater the requirements of Statistical education in strengthening both conceptual and its practical applications in academia and industry. Keeping in view of the present day science and technological developments particularly in the specialized areas of Reliability Theory, the academia and the engineering fraternity through IARS annually conduct its annual conferences / seminars/ workshops and meetings which provide a platform for the young practitioners of Reliability Theory for their innovative ideas and applications. The Association has been publishing its own peer reviewed and UGC - CARE listed Journal “International Journal of Statistics and Reliability Engineering (IJSRE)” (ISSN: 2350-0174 (Print), 2656-2378(On-line)).

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## CONFERENCE TOPICS

The Thrust Areas of the Conference include but not limiting to the following topics:

Actuarial Statistics	Decision Theory	Population Studies
Agricultural Statistics	Econometrics	Probability Theory
Applied Statistics	Financial Statistics	Queuing Theory
Artificial Intelligence (AI)	Fuzzy Set Theory	Reliability Engineering
Bayesian Inference	Information Theory	Reliability Theory & Modeling
Big Data Analytics	Inventory Theory	Regression Analysis
Bioinformatics	Mathematical Modeling	Sampling Theory
Bio Statistics	Maintenance Engineering	Statistical Inference
Data Mining	Marketing Research	Stochastic Process & Modeling
Data Science	Multivariate Analysis	Software Reliability
Deep Learning	Neutrosophic Statistics	Supply Chain Management
Demography	Operations Research	Survival Analysis
Design of Experiments	Optimization Techniques	Statistical Quality Control
Distribution Theory	Official Statistics	Time Series Analysis

## CONFERENCE EVENTS

All the events of the conference will be organized jointly by Department of Statistics & IARS as mentioned in the brochure. For any update regarding the conference, the participating universities/organizations and individual participants are requested to visit the Conference website through the following link: [www.sdsretma2023.in](http://www.sdsretma2023.in)

## CALL FOR PAPERS

The organizers invite original and unpublished research papers from students / research scholars, academia and industry experts to present their work in the specialized areas of Statistics, Data Science, Reliability Theory & Modeling and Operations Research. The abstract of contributed paper should be focused on the items such as objective of the study, methodology, research findings, significance & scope of the study. There will be a review on the abstracts by experts and selection of the paper is based on the recommendations of the expert committee. The interested delegates are requested to submit the soft copy of abstract at **sdsretma2023@gmail.com** before the schedule date in the following forms:

<b>Abstract Format</b>	Please observe the following instructions while preparing the abstract
<b>Text Format</b>	Microsoft Word format
<b>Title</b>	Limited to 200 characters in length. Use initial caps in the title; do not use all caps
<b>Author(s)</b>	Type all author's names with initial caps. Include affiliations for all authors using tags if necessary.
<b>Address</b>	Contact/Presenting author's names and mailing address and e-mail addresses.
<b>Keywords and Phrases</b>	Maximum 5 key words or Phrases.
<b>Abstract Body</b>	Limited to 200 Words
<b>Equipment Needs</b>	Indicate your Audio-Visual equipment needs at the end of the abstract

## IMPORTANT DATES

<b>Description</b>	On or before
<b>Submission of abstract</b>	15/11/2023
<b>Acceptance communication of abstract</b>	25/11/2023
<b>Payment of Registration fees</b>	05/12/2023(without late fee) After 05/12/2023 (with late fee)
<b>Submission of full length paper</b>	15/12/2023
<b>Dates of Conference</b>	24-26 December, 2023

**Note:** The interested delegates may submit/upload the soft copy of abstract through the registration link.

## REGISTRATION FEE

The selected participants are advised to get pre-registration to ensure their participation at the conference. They are required to make the payment in favor of "SDSRETMA-2023" through M.D. Univeristy, Rohtak portal. The registration fee includes Conference Kit, Local Hospitality, Banquet, Working Lunch, Dinner and Refreshments during the conference days. The following are the details of the registration fee:

Participants	Registration Fee	
	Before 05/12/2023	After 05/12/2023
Faculty / Scientists	Rs. 3500	Rs. 4000
Research Scholars / Students	Rs. 2000	Rs. 2500
Industry Personnel	Rs. 5000	Rs. 6000
Accompanying Person	Rs. 1500	Rs. 2000
Foreign delegates	US\$ 300	US\$ 400



»»»» The link for Registration is: <https://forms.gle/PBY645TXJWrQteSm7>

\*Life members of IARS will be given a discount of 20% in the registration fee.

#### Steps for Making Payment:



#### PRINTING OF PROCEEDINGS

The organizers will publish the proceedings of the conference in some reputed journal after reviewing the full length papers by the editors and the reviewers.

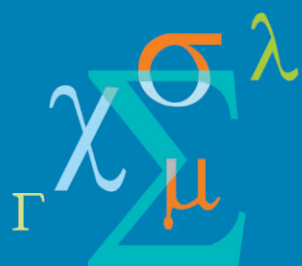
#### ACCOMMODATION

The organizers of the conference will make the arrangements for the accommodation to the delegates/participants in the University Guest Houses, Hostels and Hotels. However, the arrangements for accommodation will be made on request for which the tariffs have to be borne by the delegates/participants. However, the delegates are encouraged to make their own arrangements for accommodation.



#### FOR MORE DETAILS, PLEASE CONTACT THE FOLLOWING PERSONS:

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