



International Conference on Innovative Trends in Statistics, Optimization and Data Science (IC-ITSODS-2024)



December 21–23, 2024

Organized by

Department of Statistics and Operational Research
Kurukshetra University, Kurukshetra
Haryana (INDIA) - 136119



in Conjunction with

**44th Annual convention of Indian Society for Probability and Statistics (ISPS)
and
8th Convention of Indian Association for Reliability and Statistics (IARS)**

**Pre-Convention Workshop (For ISPS Life Members Only)
on "Use of Data for Decision Making" on **December 20, 2024****

Prof. M. S. Kadyan
Convener and Chairperson

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ABOUT THE CONFERENCE

The conference aims mainly to focus on the latest scientific and technological advancements in Statistical Theory, Data Science and Operations Research concepts and their applications in different walks of life. Also, it provides a common platform to bring the young researchers, academicians, practitioners 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 based on theme of the conference, will be organized.

ABOUT THE UNIVERSITY

Located in Kurukshetra, the land of the Bhagwadgita, Kurukshetra University is a premier institute of higher learning in India. It is spread over 400 acres of land on the south bank of the holy Brahmsharovar. Its foundation stone was laid on 11 January 1957 by Bharatratna Dr. Rajendra Prasad, the first President of the Indian Republic. Since then it has aimed at pursuing excellence in teaching and research in science, technology, humanities, social sciences, performing arts and sports.

Kurukshetra University, Kurukshetra is 'A++' Grade, NAAC Accredited University and offering world-class education to students from throughout India and other countries by providing a learning experience designed to develop intellectual abilities, as well as social, moral and ethical values. It is also placed at 8th position amongst the state universities of the country in Category-I by the Ministry of Education, Govt. of India and granted academic autonomy. The campus of the University has often been rated as one of the most beautiful campuses in India. Take a virtual tour of the Kurukshetra University for an overview of the overall environment of the campus by visiting the YouTube link. (<https://www.youtube.com/watch?v=A-vlk-x5FQw>).

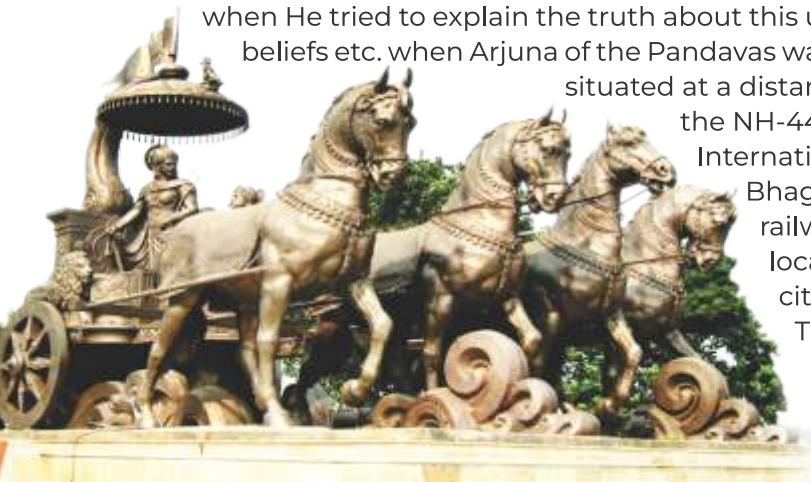


ABOUT THE DEPARTMENT

The seed of the department was sown in 1962 when Statistics was introduced as a special paper at the post graduate level in the Department of Mathematics. Realizing its widespread applications and importance, Statistics was given full status in 1973 and M.Sc. Mathematical Statistics was offered as a two-year –degree course. Growing number of students and research fellows necessitated the creation of independent department and thus, in 1985 the department of Mathematics was bifurcated and the department of Statistics and Operational Research became a full-fledged department. The Department besides running regular M.Sc. (Statistics) course under NEP-2020 also offers Ph.D. in Statistics. The thrust areas of research in the department includes Reliability Modeling and Analysis, Stochastic Process, Fuzzy Theory, Optimization Techniques and Theory of Queues.

CITY OF KURUKSHETRA

Kurukshetra is the city where history of modern India was made. The story of the biggest epic of India, the Mahabharata, was woven around this place. Even it is said that the whole of Bhagwad Gita, the most sacred script of the Hindus, was preached by Lord Krishna, a reincarnation of God, during the war of Kurukshetra, when He tried to explain the truth about this universe and the whole of civilization, religion and beliefs etc. when Arjuna of the Pandavas was in dilemma during the war. Kurukshetra is a city situated at a distance of 160 kms. from Delhi, the capital of India, on the NH-44 highway. It is about 180 kms. from Indira Gandhi International Airport, New Delhi and 90 kms from Shaheed Bhagat Singh International Airport, Chandigarh. The railway station, known as Kurukshetra Junction, is located on Delhi-Ambala railway line. Kurukshetra city is the district town of the district Kurukshetra. There will be a winter season during conference days and temperature will vary between 12 °C to 25°C.



HOW TO REACH KURUKSHETRA

Kurukshetra is a historic city in the Indian state of Haryana. Here's how you can reach Kurukshetra by road, train, and air:

By Road: From Delhi: Kurukshetra is about 160 kilometers from Delhi. You can take the NH44 (formerly NH1) which is a direct and well-maintained highway connecting Delhi to Kurukshetra. The drive usually takes around 3 to 4 hours.

From Chandigarh: The distance is approximately 90 kilometers. You can take the NH44, and the journey typically takes around 1.5 to 2 hours.

Bus Services: Several state-run and private buses operate from major cities like Delhi, Chandigarh, and other nearby towns to Kurukshetra. You can find both luxury and regular bus services.

By Train: Kurukshetra Junction (KKDE): This is the main railway station in Kurukshetra, well-connected to major cities like Delhi, Mumbai, Kolkata, Jammu and others.

By Air: From Delhi: Indira Gandhi International Airport (DEL), Delhi approximately 160 kilometers from Kurukshetra.

From Chandigarh: The another airport is Chandigarh International Airport (IXC), which is about 90 kilometers from Kurukshetra.

Transfers from Airport: From these airports, you can hire a taxi, take a bus, or travel by train to reach Kurukshetra.

Airport Facilities: Both Delhi and Chandigarh airports have various facilities, including car rental services, pre-paid taxi counters, and app-based cab services.

INDIAN SOCIETY FOR PROBABILITY AND STATISTICS (ISPS)

ISPS is the largest community of statisticians in the country imparting statistical education, research, consultancy and propagation statistical science since its inception in the year 1981 at Sri Venkateswara University, Tirupati, AP. The ISPS excelled in the development, application, and dissemination of statistical science through its annual conventions covering east to west, south to north in the country at various university centers coming up with its membership, publications, conduct of workshops/seminars, conferences and in advocating the importance of statistics education. The vision of ISPS is to create a world for reliable and scientific decisions that relies on data and statistical thinking while its mission is to propagate and promote Statistics and data driven approaches for sustainable development through practice. It is also needed to elevate public awareness of the role of statistics and the benefits of engaging statisticians and in this direction the ISPS is thriving hard in taking statistics education and its importance to the general public door step, highlighting the digital platforms and social media in enhancing the statistical profile and particularly focuses its objective in coming-up with collaborative relationships with other statistical associations and forums all over the universe. The society is striving hard to establish new trends and much needed modern science and technological approaches with particular focus on Data Science for study and applications of statistical science by way of organizing many workshops, training programs and annual conventions. The ISPS also publishes its research journal "Journal of the Indian Society for Probability and Statistics" through Springer publishers. ISPS organizes many academic events / competitions at its conventions namely: ● Memorial Lectures ● Endowment Lectures ● Distinguished Statistician Award ● Best Research Paper Award ● Young Statistician Award ● Best Ph.D. Thesis Award ● M.Sc. Student Project Competition.

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- Prof. P. Rajasekhara Reddy, Honorary President

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 practioners of Reliability Theory for their innovative ideas and applications. The Association has been publishing its own pear reviewed and indexed 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	Discrete Mathematics	Official Statistics
Agricultural Statistics	Distribution Theory	Optimization Techniques
Applied Mathematics	Econometrics	Probability Theory
Applied Statistics	Financial Statistics	Pure Mathematics
Artificial Intelligence	Fuzzy Logic and Systems	Queuing Theory
Bayesian Inference	Information Theory	Reliability Theory & Modeling
Big Data Analytics	Inventory Theory	Sampling Theory
Biostatistics	Machine Learning	Software Reliability
Data Analytics	Maintenance Engineering	Statistical Inference
Data Mining	Marketing Research	Statistical Quality Control
Data Science	Mathematical Epidemiology	Statistics in Agriculture, Mgmt. & Medicine
Decision Theory	Mathematical Modeling	Stochastic Process & Modeling
Deep Learning	Mathematical Statistics	Supply Chain Management
Demography	Meta-Analysis	Survival Analysis
Design of Experiments	Multivariate Analysis	Time Series Analysis

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, Operations Research and Data Science. The abstract of contributed paper should focus on the items such as objective of the study, methodology, research findings, significance and 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 itsods2024@kuk.ac.in before the schedule date in the following format:

Text Format	Microsoft Word format
Title	Limited to 250 characters in length. Use initial caps in the title; do not use all caps
Author(s)	Type all author's names with initial caps. Include affiliations for all authors using tags if necessary.
Address	Contact/Presenting author's names, mailing address and e-mail addresses.
Keywords and Phrases	Maximum 5 key words or Phrases.
Abstract Body	Limited to 250 Words

To enhance networking opportunities, we encourage international participants to attend in person. However, online presentation options are available upon request.

IMPORTANT DATES

Description	On or before
Submission of abstract	15/11/2024
Acceptance communication of abstract	25/11/2024
Early Bird Registration	30/11/2024
Submission of full length paper	05/12/2024
Pre-Conference Workshop	20 December 2024
Dates of Conference	21 - 23 December 2024

REGISTRATION

The selected participants are advised to get pre-registration (Registration form: <https://forms.gle/vACQj3dRmn9xrKK49>) to ensure their participation at the conference. They are required to send Demand Draft/ Cheque in favor of "Registrar, Kurukshetra University, Kurukshetra" payable at SBI, Kurukshetra University, Kurukshetra-136119, Haryana (India) or you can use the **IFSC Code: SBIN0001600, MICR: 136002004, SWIFT Code: SBININBB436** for ONLINE transfer of the amount to the account number: **43145480129** in favor of "Registrar, Kurukshetra University, Kurukshetra" 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	Workshop Fee (For ISPS Life Members Only)		Conference Registration Fee	
	Before 30/11/2024	After 30/11/2024	Before 30/11/2024	After 30/11/2024
Faculty/Scientists	₹1000	₹1500	₹5000	₹6000
Research Scholars/Students	₹700	₹1000	₹3000	₹3500
Industry Personnel	₹1000	₹2000	₹7000	₹8000
Accompanying Person	₹500	₹700	₹2000	₹2500
Foreign delegates	US\$ 50	US\$ 80	US\$ 300	US\$ 400

Note: Life members of ISPS/IARS will be given a discount of 20% in the conference registration fee.

PUBLICATION OF THE PAPERS

The proceeding of the conference will be published from the reputed publisher (possibly from Springer/Elsevier/CRC/Taylor and Francis) after reviewing the full length papers by the editors and reviewers.

ACCOMMODATION

The organizers of the conference will make the arrangements for the accommodation to the delegates/ participants on twin sharing basis in the University Guest House, International Guest House and Dharamsala etc on prior request.

PLACE TO VISIT

The tourist spots of Kurukshetra are mostly those places which have historical and /or religious significance. The tourist places of Kurukshetra are Brahma Sarovar, Jyotisar, Bhadrakali Mandir, Sannehit Sarovar, Sthaneshwar Mahadev Mandir, Ban Ganga, Sheikh Chehli Mausoleum, Tirupati Balaji Temple, Harsh ka Tila and Haryana Dharohar etc. For more information visit:

<https://kurukshetra.gov.in/48kos-religious-places-in-kurukshetra/>

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December 21–23, 2024

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Country:

Passport Number (if not from India):

Contact No.:

Mail Address:

Whether presenting a paper (Yes/No):

Title of Paper:

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Whether attending pre-convention workshop (only for life member of ISPS) (Yes/No).....

Accommodation Required (Yes/No):

Expected Arrival Date:

Expected Departure Date:

Accompanying Person (Yes/No):

Registration Type (please tick✓ any one)

Faculty/Scientists [] Research Scholars/Students [] Industry Personnel []

Accompanying Person [] Foreign Delegates []

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Demand Draft /Cheque No Amount Dated

Online (NEFT/SWIFT/Online Transfer):

Receipt No.: Amount: Dated :

Date:

Signature of the Participant



International Conference
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Welcome to Kurukshetra