



# MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, (Autonomous) VANIYAMBADI (A Project of Sri Marudhar Kesari Jain Trust)



Recognized u/s 2(f) & 12(B) of UGC Act 1956 Re-Accredited with "A+" Grade by NAAC  
(4<sup>th</sup> Cycle) Permanently Affiliated to Thiruvalluvar University An ISO 21001: 2018 Certified  
Institution Supported by DST – FIST

Department of Statistics  
Organizes  
International Conference Interdisciplinary Research on Mathematics and Statistics  
ICIRMS – 2024 : 18.12.2024

## INVITATION

### Important Dates:

Last date for  
Abstract Submission : 08.12.2024  
Notification  
of Acceptance : 11.12.2024  
Last date for Full  
Paper Submission : 14.12.2024  
Last date for  
Registration : 17.12.2024

### Registration fee

#### Paper Presentation: Hybrid Mode

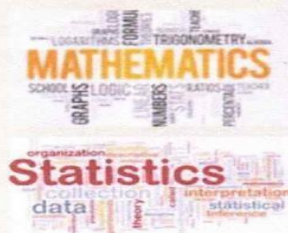
Faculty / Industrialist/  
Research Scholar : Rs. 500  
Students : Rs. 300  
Online Presentation : Rs. 300  
For Participants : Rs. 200  
Spot registration is available at  
MKJC on 18.12.2024 at 09.15 am  
(with prior information).

### Contact Details:

Ms S.Semmlar: 9600365231,  
Ms K.Rajeswari: 9976622063  
Email ID:  
mathsconference@mkjc.in

### Bank Details:

Account Holder  
Name : Ms.S.Jeevitha  
Bank Name : ICICI Bank  
Account Number : 619101502917  
IFSC Code : ICI0006191  
Mobile Number : 8870900142



### ORGANIZING COMMITTEE

#### Members of the Management

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Sri. C. Lickmichand Jain	Ambur
Sri. J. Rathanal Jain	Chennai
Sri. V. Dilip Kumar Jain	Ambur
Sri. K. Rajesh kumar Jain	Vellore
Sri. N. Sripal Kumar Jain	Vaniyambadi
Sri. K. Anand Kumar Jain	Tirupattur
Sri. N. Lalith Kumar Jain	Vaniyambadi
Sri. Anand Singhvi	Ambur
Sri. S. Naveen Kumar Jain	Vaniyambadi
Sri. R. Mukesh Kumar Jain	Chennai
Sri. S. Rishab jain	Vaniyambadi

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Secretary

#### Patron

**Dr. M. Inbavalli**

Principal

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**Ms.C. B. Sumathi**

Director - Student Affairs  
Assistant Professor  
Department of Mathematics

**Ms. S. Semmlar**

Head & Assistant Professor  
Department of Mathematics

**Ms.K. Rajeswari**

Head & Assistant Professor  
Department of Statistics

#### Co-ordinators:

Dr. S. Pallavi	Asst. Professor
Ms. N.Mahalakshmi	Asst. Professor
Ms. G. Shenbagavalli	Asst. Professor
Ms. S. Susitha	Asst. Professor
Ms. S. Jeevitha	Asst. Professor
Ms. G. Aruna	Asst. Professor
Ms. C. Nithya	Asst. Professor
Ms. M. Sanpoornam	Asst. Professor
Ms. M. Saranya	Asst. Professor
Ms. C. Arivumani	Asst. Professor
Ms. P.G.Monisha	Asst. Professor
Ms. B. Sangeetha	Asst. Professor
Ms. A. Shoba	Asst. Professor
Ms. J. Ayisha Siddiq	Asst. Professor
Ms. J. Noorul Marliya	Asst. Professor
Ms. N. Sarigha	Asst. Professor



## MARUDHAR KESARI JAIN COLLEGE FOR WOMEN (AUTONOMOUS)

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Permanently Affiliated to Thiruvalluvar University  
An ISO 21001:2018 Certified Institution -  
Accredited with "A+" Grade by NAAC (4<sup>th</sup> cycle) -  
Supported by DIST-FIST  
Marudhar Nagar, Chinnakallupalli,  
Vaniyambadi-635 751, Tirupattur, Tamilnadu.  
www.mkjc.in

### SCHOOL OF PHYSICAL SCIENCES

### PG & RESEARCH DEPARTMENT OF MATHEMATICS

### DEPARTMENT OF STATISTICS

Organizes

### International Conference on

### "Interdisciplinary Research on Mathematics & Statistics"

ICIRMS-2024

18<sup>th</sup> December 2024, Wednesday

#### Registration Link:

<https://forms.gle/pjzdxAw7AZ7n5ZeS6>



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for Women  
Vaniyambadi - 635 751



## About MKJC

Marudhar Kesari Jain College for Women, Vaniyambadi (31 Years of Excellence) MKJC, established in the year 1994, Recognized under Sec. 2(f) & 12(B) of UGC Act 1956, approved by Govt. of Tamilnadu and Permanently Affiliated to Thiruvalluvar University. It has been Accredited with "A+" grade by NAAC, Bengaluru (4th Cycle) and certified by BSI as an ISO 21001:2018 (EOMS) Certified Institution and supported by DST-FIST. The focus of the College is RURAL DEVELOPMENT by enhancing Women Education, especially those from inclusive society with RIGHT KNOWLEDGE and makes them self - sufficient to develop holistic personality and excellence in their walks of life. The College is offering 20 UG Courses, 15 PG Courses and 10 Ph.D Programme with 3000+ Students, 192 Teaching, 175 Non Teaching Staff and 7 Sports Coaches. MKJC offers holistic education, which combines the qualitative aspects of academic and technical advancements of the industry. MKJC trains the students to be equipped with knowledge and experience, which can be Applied in real-time and help to make a significant difference. The Institution also believes Success is in creating tomorrow's leaders. To extend and support the dreams of the rural and economically backward students, MKJC is associated with Distance Education wings of Mother Teresa Women University | University of Madras | TN PESU | ICSI

## About Mathematics Department

The Department of Mathematics established in the year 1994 with UG program and it offers PG since 2000. The Department offers research programme Ph.D from 2022. The objective of the Department is to equip students with the skills & knowledge to succeed academically & to apply Mathematical thinking to everyday life. The Department organizes a variety of events, including international conferences, workshops, hands-on training sessions, competitions, seminars and guest lectures. These initiatives aim to foster academic, professional and personal growth, creating a dynamic and engaging environment.

The Department has its credits, organised National Mathematics Day funded by TNSCHE for two years in the academic year 2022-2023, 2023-2024 consequently.

## About Statistics Department

The Department of Statistics, established in 2018, is dedicated to fostering analytical thinking and quantitative skills among students. With a commitment to academic excellence, it offers a comprehensive curriculum encompassing foundational and advanced statistical concepts. Students benefit from practical exposure through hands-on training in statistical software and real-world data analysis projects. The department emphasizes research and innovation, preparing graduates for diverse careers in fields such as data science, finance, healthcare, and academia. Supported by a team of dedicated faculty members, the department nurtures critical problem-solving abilities, empowering students to excel in the dynamic and evolving domain of statistics and data analytics.

## Objectives of the Conference

- This conference aims to inspire the perspective of Mathematics and Statistics into diverse fields, addressing global challenges, advancing technology and deepening the understanding of their significance in everyday life.
- To stimulate new ideas, innovative approaches and research questions that attendees can pursue in their professional work or future studies.
- To offer a platform for mathematicians, researchers and educators to present their latest research, theories, and discoveries, fostering collaboration and knowledge exchange.

## Invited Speakers

### Dr. M.Syed Ali

Associate Professor  
Department of Mathematics  
Thiruvalluvar University  
Vellore

### Dr. Anumolu.Goparaju

Deputy Director Quality Assurance  
and Monitoring  
Directorate of Quality Assurance  
Assistant Professor (Statistics)  
School of Mathematics and Computing  
Kampala International University  
Uganda

## Call for Papers

Original and Unpublished research articles are invited. Related to the areas of Mathematics & Statistics but not limited to

1. Contemporary Algebra
2. Graph Theory
3. Differential Equations
4. Difference Equations
5. Functional Analysis
6. Numerical Methods
7. Stochastic Process
8. Descriptive Statistics
9. Probability Theory
10. Statistical Inference
11. Operations Research
12. Mathematical Applications in Life Science
13. Neural Networks
14. Artificial Intelligence
15. Data Science
16. Machine Learning

Research Papers on other related Applied Mathematical Science are also welcome

## Conference Publication

- An abstract should be submitted within 500 words
- The final paper should contain Title, Name, Designation, Relevant Discipline, Address, Email ID and Contact Number.
- For a presentation, maximum of two members are allowed. Both Author and Co-Author must pay the registration fees separately.
- The Paper should be in Times New Roman in 12 Size A4 Format, 1.5 Line Spacing.
- The length of the paper should not exceed 5-6 Pages including tables, figures, references etc.
- The paper must be original content.
- All submitted papers will undergo plagiarism checking. Only selected papers will be published in an ISBN journal.
- There will be no TA/DA.
- All research manuscripts must be submitted as soft copies both in PDF & word format to the email address: [mathisconference@mkjc.in](mailto:mathisconference@mkjc.in)



## ADGENDA



MARUDHAR KESARI JAIN COLLEGE FOR WOMEN (AUTONOMOUS),  
VANIYAMBADI



PG & RESEARCH DEPARTMENT OF MATHEMATICS  
AND  
DEPARTMENT OF STATISTICS

Organizes

International Conference on

**INTERDISCIPLINARY RESEARCH ON MATHEMATICS & STATISTICS**

**ICIRMS-2024**

18.12.2024

### AGENDA

- PRAYER
- TAMIL THAI VAZHTHU

### INAUGURAL SESSION

- WELCOME ADDRESS : **C. Haneeya Sharqeen**  
I M.Sc Mathematics
- FELICITATION : **Dr. M. Inbavalli**  
Principal
- INTRODUCTION OF GUEST : **S. Niha** II M.Sc Mathematics
- HONORING THE GUEST : Management Trustees

### Session-I

- TOPIC: : **Neuro Cryptography**
- RESOURCE PERSON : **Dr. M. Syed Ali**  
Associate Professor,  
Department of Mathematics  
Thiruvalluvar University, Vellore

**BREAK**

## Session-II

**TOPIC** : **Advancing Quality Research Hypothesis, Models, AI Tools and Grant Strategies**

**RESOURCE PERSON** : **Dr. Anumolu.Goparaju**  
Deputy Director Quality Assurance and Monitoring Directorate of Quality Assurance Assistant Professor (Statistics), School of Mathematics and Computing Kampala International University, Uganda.

## LUNCH

## Session-III

**PAPER PRESENTATION** : **Hybrid**

- VALEDICTORY SESSION
- DISTRIBUTION OF CERTIFICATES
- FEEDBACK
- VOTE OF THANKS : **M. Ramya** III B.Sc Statistics

## NATIONAL ANTHEM

  
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Vanivambadi - 635 754



## REPORT



**MARUDHAR KESARI JAIN COLLEGE FOR WOMEN  
(AUTONOMOUS), VANIAMBADI**



### Activity Report

Topic	<b>International Conference on “INTERDISCIPLINARY RESEARCH ON MATHEMATICS &amp; STATISTICS” ICIRMS-2024</b>		
Organized By	<b>PG &amp; Research Department of Mathematics &amp; Department of Statistics</b>		
Type of Activity	<b>International Conference</b>		
Level	<b>International</b>		
Date	<b>18/12/2024</b>	Time	<b>10.00am - 04.00pm</b>
Venue	<b>Old Seminar Hall</b>	Mode	<b>Conference: Offline Mode Presentation: Hybrid Mode</b>
Resource Person Details	<b>1. Dr. M. Syed Ali</b> Associate Professor, Department of Mathematics, Thiruvalluvar University, Vellore. <b>2. Dr. Anumolu Goparaju</b> Deputy Director Quality Assurance and Monitoring, Directorate of Quality Assurance, Assistant Professor(Statistics), School of Mathematics and Computing, Kampala International University, Uganda.		
Objective of the Programme	<ul style="list-style-type: none"><li>• To provide a global platform for researchers, academicians, and professionals from diverse fields to engage in discussions on the latest advancements and interdisciplinary applications of mathematics and statistics.</li><li>• To inspire the perspective of Mathematics and Statistics into diverse fields, advancing technology and deepening the understanding of their significance in everyday life.</li></ul>		
Internal Participant s Count	<b>Students :121 Staffs: 19</b>	External Participants Count	<b>Students: 42 Staffs: 5</b>

### Summary

The programme was started with the fine tune of prayer song followed by Tamilthai Vazhthu. C. Haneeya Sharqeen, I M.Sc Mathematics, welcomed the gathering with her warm words. Dr. M. Inbavalli, Principal felicitated the gathering. The principal honored the Guest and special Invitees with shawl. Chief Guest introduction was given by S. Niha II M.Sc Mathematics. The Department of Mathematics staffs published a Book on “Statistical Methods and its applications – I”.

In the first session, Dr. M. Syed Ali, Associate Professor, Department of Mathematics, Thiruvalluvar University, Vellore briefly illustrated on the topic "Neuro Cryptography". He explored how artificial neural networks can be used to enhance cryptographic algorithms. The presentation likely touched upon the challenges and limitations of current Neuro Cryptography research. He presented a promising new approach to secure communication with unique advantages over traditional methods.

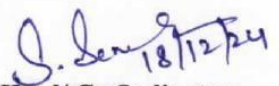
In the second session, Ms. B. Sangeetha, Assistant Professor, Department of Statistics introduced the chief guest, Dr. Anumolu Goparaju, Deputy Director Quality Assurance and Monitoring Directorate of Quality Assurance, Assistant Professor (Statistics), School of Mathematics and Computing, Kampala International University, Uganda. He briefly explained on the topic "Advancing Quality Research Hypothesis, Models, AI Tools and Grant Strategies" through Online. He focused on enhancing the quality and effectiveness of research and discussed the importance of sound theoretical frameworks in hypothesis development. He addressed the ethical considerations and potential biases associated with AI in research.

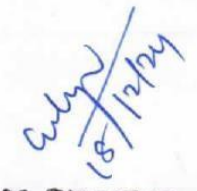
In the third session, More than 50 faculties, research scholars and students from different corners of the country has participated and presented their papers through offline and online mode in this conference. Certificates were presented to the faculties, research scholars and students. Then students gave their valuable feedback of our conference.

The programme was concluded with vote of thanks by M. Ramya, III B.Sc Statistics followed by National Anthem.

#### Outcome of the Programme

The ICIRMS-2024 provided a highly interactive and engaging platform for researchers, academicians, and professionals to share knowledge, discuss new trends, and explore potential collaborations. The interdisciplinary nature of the conference allowed for a diverse range of ideas, making it clear that mathematics and statistics are central to solving problems across a variety of domains

  
Head/ Co Ordinator

  
IQAC DIRECTOR

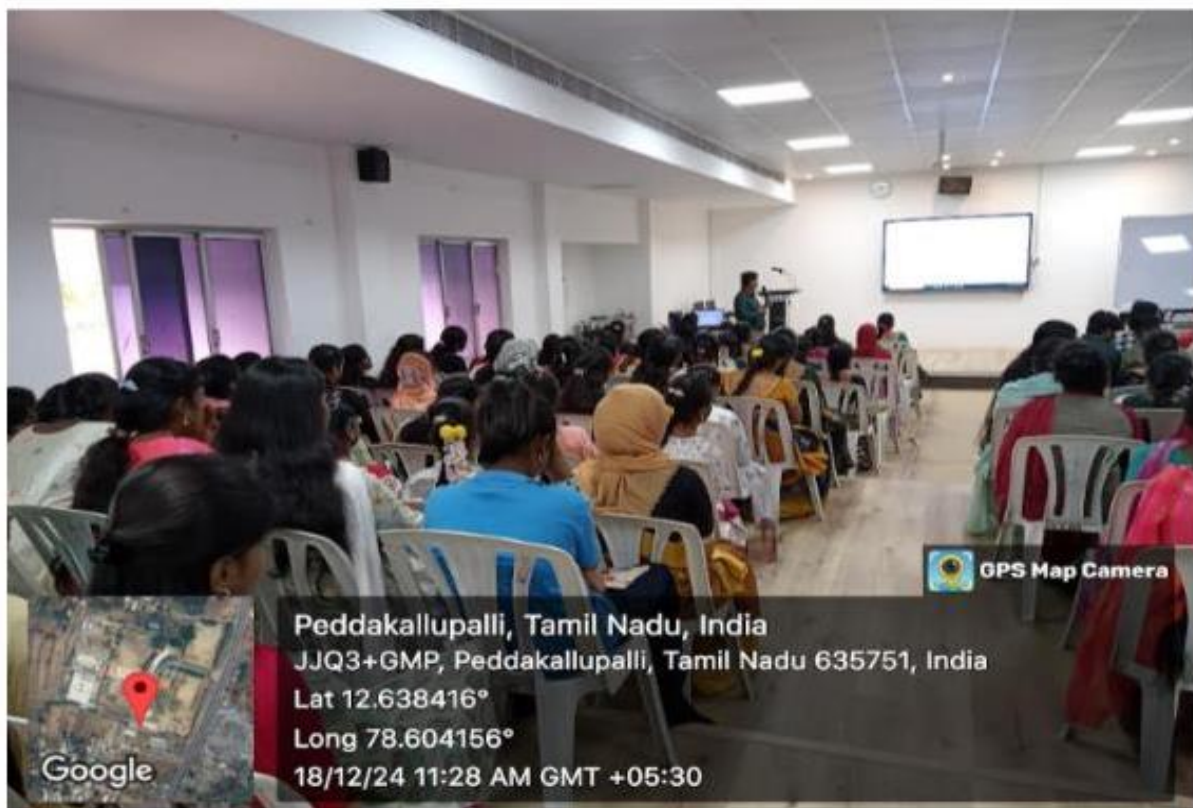
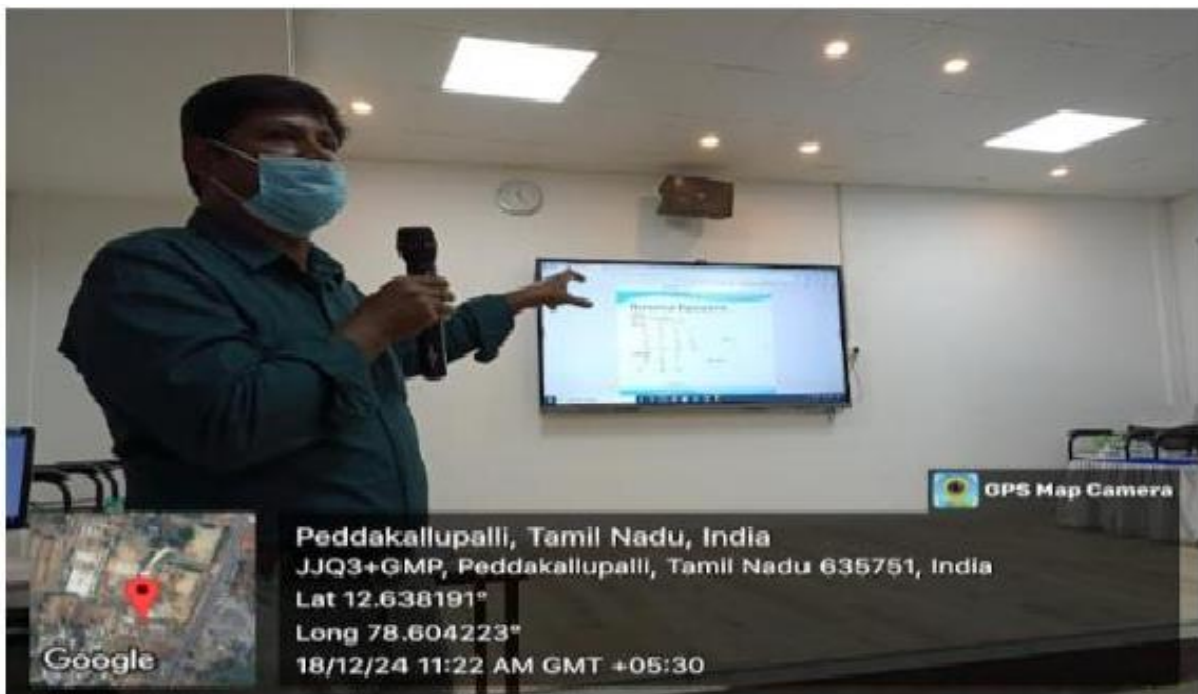
  
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## PHOTOS



  
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