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## REGISTRATION PROCESS

- It is mandatory that at least one of the authors of each accepted paper shall register and present the paper in the technical session. All accepted papers would be considered for presentation only after the payment of registration fee.
- Participants should send the registration form in specified format along with the registration fee
- For online payment, please visit payment details on conference website.
- All the manuscript submissions will be handled electronically using Microsoft (CMT) via the conference website. Log on to Microsoft (CMT) by the link given below for submitting your paper to ICMMS-2023:

<https://cmt3.research.microsoft.com/ICMMS2023>

## REGISTRATION FEE DETAIL

INDIAN DELEGATES	Off line presentation			Online presentation
	Early Bird Registration	After Early Bird Registration	Spot Registration	
Industry / R & D Institution participants	Rs. 5000	Rs. 5500	Rs. 6000	Rs. 1000
Academic Institutions participants	Rs. 4000	Rs. 4500	Rs. 5000	Rs. 1000
Research Scholars	Rs. 3000	Rs. 3500	Rs. 4000	Rs. 1000
PG Students	Rs. 2000	Rs. 2500	Rs. 3000	Rs. 1000
UG and PG Students	Rs. 1000	Rs. 1500	Rs. 2000	Rs. 1000
Attendee	Rs. 1000	Rs. 1500	Rs. 2000	Not included

International delegates please refer below link for registration charges:

<https://www.poornima.org/icmms/Registration.html>

## JOURNAL PUBLICATION

High quality research papers will be selected through a peer review process and will be considered for publication in indexed journals (SCI/SCIE/SCOPUS/WEB of SCIENCE) in one of the partner journals of the conference, as per the decision of Conference TPC. For publication (desirable), all authors will have to pay APC in addition to the registration fee as per processing fee of respective journals

## IMPORTANT DATES

Full Paper Submission	May 15, 2023
Acceptance of Paper	May 30, 2023
Camera Ready Paper Submission	June 30, 2023
Last date of Registration	June 30, 2023

## ACCOMMODATION

Limited accommodation for registered delegates is available at the guest house / student hostels of the college, on a chargeable basis subject to availability. Request for the same must be made in the advance.

## CONTACT FOR FURTHER INFORMATION

**Dr. Priya Mathur** (7790974955)

**Dr. Aisha Rafi** (9785197240)

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**Mr. Ashok Chaudhary** (9460422437)



International Conference  
on

**MATHEMATICS**

**MODELLING AND STATISTICS  
(ICMMS-2023)**

Hybrid Mode

**September 01-02, 2023**



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## ABOUT THE INSTITUTION

Poornima Institute of Engineering & Technology, Jaipur (PIET) is a premier institution in engineering education, established in the academic year 2007, it is affiliated to Rajasthan Technical University, and approved by AICTE. PIET aims at providing world-class technical and scientific education that can develop a professional outlook in every walk of life and has been ranked 3rd in RTU-QIV ranking. **Some key salient features are:** • PIET has been 1st Institution to offer B. Tech CSE in Regional language under NEP 2020 • PIET is accredited by National Assessment and Accreditation Council (NAAC). • B. Tech in Computer Engineering is accredited by National Board of Accreditation (NBA) • PIET has been rated PLATINUM by AICTE- CII Survey for strong Industry Linked Technical Institutes • PIET is the only institute in Rajasthan to be funded by AICTE with a fund of Rs. 55 Lakh for establishing IDEA Lab. • PIET has established Neural Network & Deep Learning Lab under MODROB Scheme with granted in aid of Rs. 12.84314/ • Received Research Grants for more than 50 Lakh in the last 3 years from agencies like TEQIP III, AICTE, NITTTR etc.

## About the Department

The Department of Mathematics is supporting department of PIET, was established in 2007. The department is continuous to impart mathematical skill and analytical thinking to all students in the Institution. The department has strongly motivated faculty with diverse specialization in Mathematics which provides basics for pursuing research in basic sciences and also in interdisciplinary areas. The department organizes extension programmes like conference, workshops, seminars, expert talks; FDPs on various topics. The department provides a solid base to students in Applied Mathematics to make them dedicated engineers. The department is credited with a significant number of research articles published each year in journals with AIP, Scopus, Springer, Web of science and SCI indexes. The objective of the Department is to encourage, teach and train the students at all levels of the Engineering education. The department has completed funded projects and FDPs under TEQIP-III.

## ABOUT THE CONFERENCE

The main objective of the International conference is to provide a platform for researchers and scientists working in all fields of mathematics, modeling, statistics and related areas from both academia and industry to exchange research ideas and have in-depth discussions of recent advances in mathematical research.

Mathematics is the science of measurement, quantity and magnitude. Mathematics is the most closely related subject in our daily life. Its knowledge is exact, systematic logical and clear. In fact mathematics is the language of all sciences. The emergence of computers, Internet mobiles and modern means of transport has reduced the world into a 'Global Village'. Thus, Science which is considered as the backbone of technology borrows its exactness and systematic approach by the virtue of mathematics. Mathematical techniques are use in a variety of other disciplines, including physics, engineering, medical, biology, finance, business, computer science, and industry. Modelling and Statistics are two branches of applied mathematics. Today mathematical modeling is an integral part of research in many fields. Statistics covers every facet of data, including the planning of data collecting in terms of the design of surveys and experiments.

The conference gives a platform for to discuss the new innovative ideas in the fields of Advances in Pure and Applied Mathematics. The conference is organizing in association with Shiksha 'O' Anusandhan University, Bhubneshwar, Udisa, India, The Conference is in Hybrid Mode (Offline / Online).

## CALL FOR PAPERS

### TRACK 1: ALGEBRAIC NUMBER THEORY

- Algebraic Geometry
- Commutative Algebra
- Associative Rings and Algebras
- Topological Groups, Lie Groups
- Linear & Multilinear Algebra; Matrix Theory
- Field Theory and Polynomials
- Algebraic Geometry
- Non-associative Rings and Algebras
- Category Theory; Homological Algebra

### TRACK 2: MATHEMATICAL ANALYSIS

- Real Functions
- Special Functions
- Integral Transforms, Operational Calculus
- Functional Analysis and Operator Theory
- Several Complex Variables and Analytic Spaces
- Functions of a Complex Variables
- Approximations and Expansion

### TRACK 3: MECHANICS AND APPLIED MATHEMATICS

- Fluid Mechanics
- Quantum Theory
- Numerical ODEs
- Numerical PDEs
- Classical Thermodynamics, Heat Transfer
- Statistical Mechanics, Structure of Matter
- Ordinary and Partial Differential Equations
- Difference Equations and Recurrence Relations
- Mechanics of Particles and Systems
- Mechanics of Deformable Solids
- Relativity and Gravitational Theory
- Fuzzy Logics and Fuzzy Set Theory

### TRACK 4: OPERATIONS RESEARCH

- Linear programming
- Nonlinear programming
- Integer programming
- Network algorithms
- Systems Theory
- Calculus of Variations and Optimal Control; Optimization
- Operations Research, Mathematical Programming
- Game Theory, Economics, Social and Behavioural Sciences
- Convex optimization
- Stochastic and robust optimization
- Combinatorial optimization
- Global optimization
- Queueing Theory

### TRACK 5: MODELLING AND STATISTICS

- Data modelling and analysis
- Meta modelling and regression
- Statistics
- Statistical applications
- Statistical genetics
- Statistics for environments
- Probability Theory and Stochastic Processes
- Mathematical modelling
- Model verification and validation
- Statistical Analysis
- Sampling techniques
- Statistics and mathematics education
- Stochastic modelling

### TRACK 6: GRAPH THEORY AND GEOMETRY

- Graphs and Hyper Graphs
- Convex and Discrete Geometry
- General & Algebraic Topology
- Combinatorial Optimization
- Combinatorial Geometry
- Graph Algorithms with Theoretical Emphasis
- Discrete Optimization on Graphs
- Differential Geometry
- Network Theory
- Coding Theory
- Neural Network

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Principal & Director, PIET

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