



2nd INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MATHEMATICS

ICRTM - 2025

February 7-8, 2025

OFFLINE PAPER PRESENTATION SCHEDULE

DAY 1 (07.02.2025)

TIMINGS: (2:00-5:00 PM)

Group 1: Library Auditorium

Session Chair: Prof. Preeti Dharmarha

Session Co-Chair: Prof. Rakesh Batra

Student Coordinators: Mr. Deepanshu, Mr. Hardik

S.No	Name	Paper ID	Institution	Title
1.	Prabhat Kumar	ICRTM_A17	Research Scholar, Gautam Buddha University	Some Results on Bicomplex Numbers
2.	Neeraj Kumar Tomar	ICRTM_A19	Research Scholar, Gautam Buddha University	Almost SC^* - normal spaces
3.	Mohit	ICRTM_A06	Research Scholar, University of Delhi	Birkhoff -James orthogonality and some geometric properties in vector-valued function spaces
4.	Vartika Srivastava	ICRTM_A39	UG/PG student, University of Delhi	Fixed point theory: Algorithms and it's applications to real world problems
5.	Rakesh Kumar	ICRTM_A41	Research Scholar, University of Delhi	Iterated pg-frames in Banach spaces

6.	Subal Chandra Ghosh	ICRTM_A43	Faculty, D.A-V. College, Kanpur	Fixed Point Theorems on Complete Cone Metric and Cone Rectangular Metric Spaces
7.	Deepak Malik	ICRTM_A44	Research Scholar, Netaji Subhas University of Technology	On composition of well-established classical operators
8.	Vaibhav Sharma	ICRTM_A48	Research Scholar, Netaji Subhas University of Technology	Operators associated with Laguerre polynomials and approximation
9.	Anurag	ICRTM_A52	UG/PG student, Manav Rachna University	Extended Unique Fixed Point Theorem in Complete Quasi-Metric Space
10.	Sunil Kumar	ICRTM_A53	Research Scholar, University of Delhi	A Note on the Relation Between Algebraic Degree and Minimum Distance of Support of Boolean Functions
11.	Firdhousi Begam	ICRTM_A61	Faculty, Aligarh Muslim University	Characterization of strongly and Separably w_1 -($w+n$)-Projective QTAG-modules
12.	Vikesh Kumar	ICRTM_A30	Research Scholar, University of Delhi	On weakly ω -balanced semitopological groups
13.	Megha Madan	ICRTM_A23	Research Scholar, University of Delhi	BOUNDEDNESS OF DUNKL-HAUSDORFF OPERATOR FOR RADially DECREASING FUNCTIONS AND MONOTONE WEIGHTS ON R_n
14.	Mahima	ICRTM_A22	Research Scholar, Department of Applied Mathematics, Delhi Technological University	Higher Order Modified Bernstein Operators: Theory and Analysis
15.	Santosh Babu	ICRTM_A14	Faculty, Department of Statistics, Shaheed Rajguru College Applied Sciences for Women	MAPPABLE NEARLY ORTHOGONAL ARRAYS USING HADAMARD MATRIX

Group 2: Old Seminar Room

Session Chair: Prof. Shalini Gupta

Session Co-Chair: Dr. Ritika Nagpal

Student Coordinators: Mr. Parth Batra, Ms. Sakshi Swarna

S.N o.	Name	Paper ID	Institution	Title
1.	Mandeep Kaur	ICRTM_A01	Research Scholar, Central University of Himachal Pradesh Dharamshala	Influence of Magnetic Field Dependent viscosity on thermomagnetic convection in a ferrofluid layer in the presence of fluid-permeable, magnetic boundaries
2.	Tripti Anand	ICRTM_A02	Faculty, Shyama Prasad Mukherji college for Women	Mitigating Dissipative Instabilities in a Novel 5D Hyperchaotic Model Using Adaptive Control Process
3.	Jyoti Darbari	ICRTM_A03	Faculty, Lady Shri Ram College	An analytical model for critical success factors identification for implementation of NEP in HEIs
4.	Diksha Sundriyal	ICRTM_A04	Research Scholar, Gautam Buddha University	Stochastic Simulation of Variable Effective Diffusivity in Drug-Eluting Stents
5.	Neeraj Singh	ICRTM_A05	Research Scholar, Noida international University	Reliability Analysis of Component under Delta-Star Transformation in Independent Unit System
6.	Kirpa Garg	ICRTM_A07	Research Scholar, Indian Institute of Technology Jammu	A Connection Between Vanishing Flats and the Feistel Boomerang Connectivity Table
7.	Sumit	ICRTM_A08	UG/PG Student, Amity Institute of Applied Science, Amity University, Noida, India	Entropy-Based Framework for Uncertainty Assessment in Food-Tech Stock Performance
8.	Sagar Vinayak	ICRTM_A09	Research Scholar, Himachal Pradesh University, Shimla	An Investigation of Permutation Trinomials of the form $x^{\text{rh}}(x^{\{3^m-1\}})$ over $F_{3^{2m}}$

9.	Pushkar Singh	ICRTM_A10	Research Scholar, Vardhaman College, Bijnor (UP)	EPQ models for an imperfect production system considering green technology and strict automated inspection under the effect of inflation
10.	Meenakshi Agarwal	ICRTM_A11	Research Scholar, Department of Mathematics, University of Delhi	Recent Chaos based cryptographic and steganographic techniques
11.	KAPIL KUMAR	ICRTM_A12	Research Scholar, Deenbandhu Chhotu Ram University of Science and Technology, Murthal	Idempotent generators of Z_4 -cyclic codes of length $p_1 p_2$
12.	Saurabh Verma	ICRTM_A71	Department of Operational Research, University of Delhi	Impact of Dynamic Pricing on a Fuzzy Inventory Model
13.	Anshika Aggarwal	ICRTM_A36	Research Scholar, Shobhit University, Gangoh	Free transverse vibration analysis of 2D functionally graded nonlocal Euler Bernoulli beams
14.	Nitish Thakur	ICRTM_A37	Research Scholar, Himachal Pradesh University, Shimla	A Novel Image Encryption Scheme using Quantum Walk and Chaotic Maps
15.	Vinni Rani	ICRTM_A47	Research Scholar, Shobhit Institute of Engineering and Technology (Deemed to be University), Meerut, U.P.	Restricted and Extended Theta Operations of Soft Sets to Decision-Making Problems Using Grey Theory: A Novel Approach

Group 3: Multipurpose Hall, C-Block

Session Chair: Dr. Pankaj Sharma

Session Co-Chair: Dr. Ram Pravesh

Student Coordinators: Ms. Saumya, Mr. Chaitanya

S.N o.	Name	Paper ID	Institution	Title
1.	Geetanjali	ICRTM_A38	Faculty, Chandigarh University Mohali	Modelling of fractional-visco-thermoelas- tic-diffusion with fractional order strain
2.	Deepika	ICRTM_A59	Research Scholar, Amity University Uttar Pradesh	Analysis of a Fractional Order model for Infectious diseases incorporating incubation delay
3.	Mohd Sarik Idrisi	ICRTM_A54	Research Scholar, University of Delhi	A New Encryption Scheme Resistant to Quantum Computer-based Attacks
4.	Shivani	ICRTM_A55	Research Scholar, SRM institute of Science and Technology	A study on wo-warehouse inventory model with linear demand and partially backlogged deteriorating
5.	Shikha	ICRTM_A50	SRM University modinagar, delhi ncr	Comprehensive analysis of a two warehouse inventory model: Addressing product deterioration through particle swarm optimization
6.	Akshay Ankush Yadav	ICRTM_A57	Scientist, SAG, DRDO	Applications of permutation polynomials over finite fields in cryptography
7.	Rahul Chandel	ICRTM_A58	Research Scholar, Department of Mathematics and Statistics, Himachal Pradesh University, Shimla	A fast and scalable group signature system with multivariate linking capabilities
8.	Rajni kanwar	ICRTM_A15	Faculty, University of Delhi	Conjugacy classes of Wreath Product Action

10.	Sandeep Kumar	ICRTM_A16	Faculty, Shyam Lal College, University of Delhi	Optimizing Policy for retailing industries and controllable non-instantaneous deteriorating green products with dynamic demand under preservation technology investment and carbon regulations, Two-shop Management Considering Sales' Team Efforts Dependent-Demand and Screening Errors
11.	Jatin Kumar	ICRTM_A60	Research Scholar, Himachal Pradesh University	Numerical Analysis of Hall Current and Thermophoresis Effect on The Hydromagnetic Casson Nano fluid Flow Past a stretching surface
12.	Kanchan Singh	ICRTM_A62	Research Scholar, A.N.College, Patna, P.P.U	Static fluid sphere with Einstein -Cartan theory
13.	Basant Kumar Mishra	ICRTM_A63	Faculty, Ram Lal Anand College, University of Delhi	Fourth-Order Convergent Numerical solution of Third Order Boundary Value Problem using Hybrid Finite Difference Method order
14.	Anshu Choudhary	ICRTM_A64	Research Scholar, Delhi Technological University	Stochastic Modeling of Monthly Rainfall Using Time Series Analysis
15.	Aastha Tanwar	ICRTM_A49	Netaji Subhas University of Technology	Influence of Thickness Gradients on the Thermal Buckling of Functionally Graded Circular Plates