



2nd INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MATHEMATICS

ICRTM - 2025

February 7-8, 2025

OFFLINE PAPER PRESENTATION SCHEDULE

DAY 2 (08.02.2025)

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

Group 1: Library Auditorium

Session Chair: Ms. Amita Aggarwal

Session Co-Chair: Dr. Ram Pratap

Student Coordinators: Mr. Madhusudan, Mr. Harpreet

S.No.	Name	Paper ID	Institution	Title
1.	Manisha Saini	ICRTM_A20	Hansraj College, University of Delhi	Infinite Order Solutions of Second Order Linear Differential Equation
2.	Rashi	ICRTM_A21	Department of Mathematics, University of Delhi, Delhi	Impact of Predator-Induced Fear and Predator Switching on Food Web Dynamics
3.	Mohit Arya	ICRTM_A24	IMS Engineering College, Ghaziabad	A Sublime Technique To Solve Pantograph Equation by Modified Adomian Decomposition Method
4.	Sandeep Kumar	ICRTM_A25	Ims Engineering college Ghaziabad	A sublime Technique to Solve Pantograph Equation by Modified Adomian Decomposition Method

5.	Ashish Yadav	ICRTM_A26	Department of mathematics, University of Delhi	Air Quality Efficiency Evaluation of New Delhi Regions using DEA Approach
6.	Yogesh Bhardwaj	ICRTM_A27	Delhi Technological University	Dynamical study of variable generalized Chaplygin gas model with matter creation in $f(Q)$ theory
7.	Lokesh Chander	ICRTM_A28	Delhi Technological University	Time-varying vacuum energy density model in a matter creation cosmology
8.	Manpreet Singh	ICRTM_A29	Himachal Pradesh University, Shimla	Some More Classes of Permutation pentanomials over $F_{(5^2k)}$
9.	Vidya Sagar	ICRTM_A31	Assistant Professor, Lady Shri Ram College, D.U.	A New Viscosity Mid Point Rule For Hierarchical Variational Inequality Problems

Group 2: Old Seminar Room

Session Chair: Prof. Manoj Kumar

Session Co-Chair: Dr. Sundar Lal

Student Coordinators: Ms. Anushka , Ms. Runika

S.No.	Name	Paper ID	Institution	Title
1.	Preeti	ICRTM_A32	Vardhman College, Bijnor	An Integrated Multi-Product Manufacturing System considering Cross-Price Elasticity and Selling Price Dependent Demand
2.	Raksha Verma	ICRTM_A33	Hansraj College	Queueing Theory in Telemedicine: A Comprehensive Review of Applications and Future Directions

3.	Anjali Chaudhary	ICRTM_A34	Bennett University	"Numerical Approximations for Fractional Partial Differential Equations via Generalised Genocchi Polynomials"
4.	Anjali	ICRTM_A35	Department of Applied Mathematics, Delhi Technological University, Delhi	Behaviour Analysis Under Uncertainty Using Rényi Entropy-Based Cloud Transformation
5.	Akhil Prakash	ICRTM_A40	Aligarh Muslim University, Aligarh	On Closedness of Subvarieties of Bands
6.	Hemlata	ICRTM_A42	SRM University Sonipat	Managing Deterioration and Shortages in Trade Credit: The Role of Preservation Technology and Partially Backlogging
7.	Ashish	ICRTM_A73	Department of Mathematics, University of Delhi	On geometric properties of set of non-unique fixed points in partial metric space with application in activation function
8.	Rupali Srivastava	ICRTM_A72	Jaypee Institute of Information Technology, Noida	Comprehensive Overview of the Energy Ratio Asserting the Reflected Pressure Coefficient for Underground Blast

Group 3: Multipurpose Hall, C-Block

Session Chair: Dr. Pankaj Kumar

Session Co-Chair: Dr. K. R. Meena

Student Coordinators: Mr. Rishi Jalan , Mr. Kunal

S.No.	Name	Paper ID	Institution	Title
1.	Rajeev Kumar	ICRTM_A56	Dyal Singh College, University of Delhi, Delhi, India	Elliptic Curve based Homomorphic Encryption Scheme and its Applications in Privacy Protection
2.	Sameena Hashmi	ICRTM_A51	Jamia Millia Islamia	Intuitionistic Fuzzification of Ideals and Intuitionistic Fuzzification of Filters in Ternary Semigroups with Involution
3.	Aashi Pandey	ICRTM_A66	Dronacharya Group of Institutions ,Greater Noida	Emerging Trends and Optimization Techniques of Set Theory for Real World Applications
4.	Pranavi Tomer	ICRTM_A67	Department of Operational Research, University of Delhi	Predicting Bank Loan Default using Machine Learning Algorithms
5.	Lalhminghan gi Famhawite	ICRTM_A68	University of Delhi	Numerical study of the effects of blood flow in a 3D patient- specific tumour in the liver during cryosurgery
6.	Chahat Ahuja	ICRTM_A69	Student	An Enhanced Shifted QR Algorithm for Efficient Eigenvalue Computation of 3×3 Non-Hermitian Matrices
7.	Prerna Jain	ICRTM_A70	Lovely Professional University	Blockchain-Based Inventory Optimization in Decentralized Two-Echelon Supply Chains: A Finite Horizon Analysis
8.	Archana	ICRTM_A65	UG/PG Student, K.R. Mangalam University	Predicting Employee Attrition: A Comparative Analysis of Existing Models