2ⁿᵈ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MATHEMATICS

ICRTM - 2025

February 7-8, 2025

ONLINE PAPER PRESENTATION SCHEDULE

DAY 2 (08.02.2025)
TIMINGS: (2:00-5:00 PM)

Group 1

Session Chair: Prof. Preeti Dharmarha
Session Co-Chair: Mr. Kapil Kumar
Student Coordinators: Ms. Sakshi
Google Meet Link : https://meet.google.com/eup-tmvp-srk

S.No.	Name	Paper ID	Institution	Title
1.	Anil Kumar Singh	ICRTM_B97	Mahatma Jyotiba Rao Phule Rohilkhand University ,Bareilly	A sustainable inventory model for time and price varying demand and variable deterioration for fixed lifetime Pharmaceutical products
2.	Aanchal	ICRTM_B99	Amity University Haryana	Effect of Inertia weight on Teaching Learning based optimization algorithm.
3.	Pooja Vats	ICRTM_B111	K R Mangalam University, Sohna Road, Gurugram	Application of number theory in cryptography

S.No.	Name	Paper ID	Institution	Title
4.	Brijendra Yadav	ICRTM_B113	Ram Lal Anand College, University of Delhi	Effect of Green Investment and Preservation Technology for Price and Stock Dependent Demand on Sustainable Production Inventory Model
5.	Garima Agarwal	ICRTM_B114	Manipal University , Jaipur	Analysis of Human and Rodent Population in Leptospirosis Disease using Numerical Methods
6.	Shruti Vohra	ICRTM_B115	Chameli Devi Group Of Institutions,Indore	Predictive Analysis of Traffic Optimization and Road Safety in Indore: Integrating Time Series and Deep Learning Techniques
7.	Mohit Lahoti	ICRTM_B116	Amity University Rajasthan	Virtual Dressing Room using Computational Intelligence
8.	Jitendra Singh	ICRTM_B117	University of Delhi	A Technique to Solve Bimatrix games with payoff as Single Valued Trapezoidal Neutrosophic Numbers
9.	Tanu Tyagi	ICRTM_B118	Graphic Era (Deemed to be University), Dehradun	Optimization of additive manufacturing system in healthcare industry

Group 2

Session Chair: Dr. Pankaj Sharma
Session Co-Chair: Dr. Ram Pravesh
Student Coordinators: Mr. Somil
Google Meet Link : https://meet.google.com/hxi-jcov-quf

S.No.	Name	Paper ID	Institution	Title
1.	Sakshi Tyagi	ICRTM_B120	Graphic Era (Deemed to be University), Dehradun	Supply chain management of laptops and desktops for end-of-use products with a Reverse Logistics Process
2.	Manjari Pathak	ICRTM_B121	Delhi Technological University	Probabilistic Inventory Model of Newspaper Vendor

3.	Anjali	ICRTM_B122	Graphic Era Deemed to be University Dehradun	Mathematical Modelling for Optimizing Green Hydrogen Supply Chain Utilizing Renewable Energy Sources
4.	Swati Tyagi	ICRTM_B123	Dronacharya Group of Institutions	Bibliometric Insights into the Use of AI for Predicting Mental Health in Young Populations
5.	Jay Kishore Sahani	ICRTM_B124	DAV PG College Siwan, Jai Prakash University, Chapra, Bihar, India	Numerical solution of biological model through Vieta Fibonacci wavelet method.
6.	Shalni Chandra	ICRTM_B125	Chandigarh University, Garhuan, Punjab	Novel insight into Fixed Point Result on Graphical Cone b- Metric space with some application to the system of boundary value problems
7.	Shujaul Hasan Khan	ICRTM_B126	Alfalah University Dhauj ,Faridabad	Characterization of (k,m) type slant helices on spacelike surfaces in E_1^3
8.	Sathi Mukherjee	ICRTM_B127	Department of Mathematics, Gobinda Prasad Mahavidyalaya, P.O Amarkanan, Pin-722133, Bankura	Solving Multi-Criteria Shortest Path Problems using Fuzzy Programming Technique under an Intuitionistic Fuzzy Environment
9.	Kashif Ahmed	ICRTM_B128	St. Stephen's College, University of Delhi	Cryptanalysis of a Tropical Key Exchange Scheme

Group 3

S.No.	Name	Paper ID	Institution	Title
1.	Warbhe Shital Manoharrao	ICRTM_B130	Vidya Bharati College, Camp, Amaravati, State -Maharashtra	Analysis of Fundamental Formulations of the Lagrangian Method for Interacting Dark Fields in Multi-Fluid Theory and Cosmology
2.	Dr. Niranjan Kumar Mishra	ICRTM_B131	Assistant Professor (Mathematics) R K D F University Ranchi Jharkhand	Hypersurfaces of a Riemannian Manifold With a Certain Connection.
3.	Ashish Bamta	ICRTM_B132	Assistant Professor	Some properties of submodule quotient over finite ring Zm
4.	Soshal	ICRTM_B133	Shaheed Mangal Pandey Govt Girls PG College Meerut	Approximation and Convergence in Walsh-Fourier Series: A Global Review
5.	Preeti Singh	ICRTM_B134	MIT, Meerut	Stochastic Modeling of a Robot Safety system with standby units, Imperfect Switching and Common cause Shock Failure
6.	Preety Rani	ICRTM_B135	Monad University Hapur (U.P)	Enhancing Supply Chain Efficiency Through GA-based Multiobjective Optimization Techniques Optimization in a Two-Warehouse System
7.	Nayna M. Tade	ICRTM_B136	Shri. Dr. R. G. Rathod Arts and Science College, Murtizapur, 4444107, Maharashtra	Dynamical Aspects of Bianchi Type VI0 Cosmological Model with Cosmic String and Dark Energy in f(T) Gravity

8.	Hemalatha M	ICRTM_B137	National Institute of Technology , Karnataka	Direct Sum of Lower Semi-Frames in Hilbert Space.
9.	Nidhi Sharma	ICRTM_B138	IIMT University Meerut	Analysis of partial backlogging and trade credits on an inventory Model for Perishable Products with Inventory Level dependent Demand

Group 4

Session Chair: Dr. Mukund Madhav Mishra
Session Co-Chair: Dr. Sunil Kumar
Student Coordinators: Ms. Diksha
Google Meet Link : https://meet.google.com/ibk-oxtu-cpp

S.No.	Name	Paper ID	Institution	Title
1.	Poulomi Basak	ICRTM_B140	Assam Energy Institute (a centre of Rajiv Gandhi Institute of Petroleum Technology)	Dynamics of a Phytoplankton-Zooplankton Model: Impact of Toxicity
2.	Kriti Wadhwa	ICRTM_B141	Hansraj College	Boosting Mobile Online Purchase Intentions: The Impact of Personalized Product AI Presentation Across Diverse Product Categories
3.	Balkaran SIngh	ICRTM_A142	Research Scholar, Himachal Pradesh University, Shimla	Construction of Irreducible and Normal Polynomials over Finite Fields by Recursive Methods
4.	Shalni	ICRTM_A144	Research Scholar	Designing Binary Linear Block Codes via Circulant Rhotrices

5.	Dumita	ICRTM_A143	Research Scholar	Comparative Analysis of Energy Alternatives for Distributed Generation System Using Analytical Hierarchy Process (AHP) and Fuzzy Analytical Hierarchy Process (FAHP)
6.	Arzo Rani	ICRTM_B119	Graphic Era (Deemed to be University), Dehradun	Mathematical Modelling of Sustainable Supply Chain for Bioenergy Production from Food Waste
7.	Dinesh Kumar	ICRTM_B129	Birla Institute of Technology Mesra, Ranchi	Results on Dynamics of Bungee Set of Composite Entire Functions in the Eremenko-Lyubich Class
8.	Sankalp Kumar Gupta	ICRTM_B139	Delhi Technological University	A Survey on Fingerprinting of Encrypted Traffic
9.	Rekha Rani	ICRTM_B145	Amity University Haryana	Novel Initialization strategy to solve Genetic Algorithm and Particle Swarm framework for constraint optimization problems