



International Conference on Recent Advances in Operations Research & Business Analytics

RAORBA-2024

Parallel Session Track

Day 1: 25th July 2024 (Thursday)

Time:4:20-6:00 pm	Track: 01	Mode: Offline
Session Chair: Prof. (Dr.) Bibhas C Giri, Jadavpur University		
Room No: G1		

ID	Author(s)	Paper Title
RAORBA- 4	Mani Venkatesh	Greening the Hotel Operations: Evidence from emerging economies
RAORBA- 14	D.ARIVUDAINAMBI	Unravelling Service Breakdowns in WSN - A Queueing Theory Perspective
RAORBA-17	PREM PRAKASH MISHRA	Impact of Customer's Review and Display Area on Demand in Virtual EOQ Management
RAORBA-19	DEEP SAHA	A Novel Contractor Selection Approach for a Sustainable Construction Project Considering Risk Factor
RAORBA-24	Ruplekha Chakraborty	A Group Decision Framework for Discerning the Perceptions of the Viewers of Indian Women's Premier League.
RAORBA-54	MOUMITA CHATTERJEE	ANALYZING AND PREDICTING RISK-RELATED STATEMENTS FROM FINANCIAL REPORTS
RAORBA-G3	AJAY KUMAR YADAVA	FACTORS AFFECTING THE APPLICATION OF AN EFFICIENT SUPPLY CHAIN MANAGEMENT



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Time:4:20-6:00 pm	Track: 02	Mode: Offline
Session Chair: Prof. (Dr.) Prem Prakash Mishra, NIT, Nagaland		
Room No: G2		

ID	Author(s)	Paper Title
RAORBA-20	SHUBHENDU MANDAL	Innovative Application of q-Rung Orthopair Fuzzy MCDM in Medical Diagnostic Decision-Making
RAORBA-30	AGNIVA DAS	Integrated Rough Cloud Model under q-Rung Orthopair Fuzzy context for Hybrid Renewable Energy Development
RAORBA-31	ISHANI DAS	An Algorithmic Approach to Find Optimal Solution of TSP Using 1-tree Lower Bound Method
RAORBA-42	ATRI SANYAL	Implementation and Reliability Study of a Bluetooth-Controlled Autonomous Car
RAORBA-48	PRAKASH ABAD	Optimal policies for a price-setting newsvendor for a given fill rate
RAORBA-49	SREEJATA SEN SARMA	Pricing strategy for price-quality differentiated products under the Bass Diffusion Model
RAORBA-G12	SAIKAT CHAKRABARTI, Partha Das	Behavioural Impact and Vulnerability Assessment of Training Program on Rural Villagers



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Time: 4:20-6:00 pm	Track: 03	Mode: Offline
Session Chair: Prof. (Dr.) Subrata Saha, UEM Kolkata		
Room No: LH-5		

ID	Author(s)	Paper Title
RAORBA- 11	SATYABRATA SAMANTA	An Entropy Measurement of Performance of Stock Market during Russia-Ukraine War : An Indian Scenario
RAORBA-16	KESHAV KANT PRASAD	An Evaluation of Life Cycle Fund as The Default Option and Optimizing Retirement Outcomes in India's National Pension System
RAORBA- 21	SUBHAMOY BERA	Impact of consumer preferences on pricing dynamics in sustainable triopoly markets
RAORBA-23	INDRANI MODAK	Random pricing, warranty and green strategy in a two-echelon closed-loop supply chain
RAORBA-25	DR. SANJIB BISWAS	A Novel Decision Making Framework for Comparison of Sustainable Mobility Alternatives
RAORBA-57	JOY ADHIKARY	Detection of Parkinson's Disease Critical Genes Using a Novice Hybrid Randomized Particle Swarm Optimization – k Nearest Neighbour (RPSO-kNN) Algorithm
RAORBA-G4	HARIOM JHA, LAKSHYA KUMAR SINGH	Multi-Classifer Approach for Detecting and Verifying Rumours on Twitter Using Diverse new Sources



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Time: 4:20-6:00 pm	Track: 04	Mode: Online
Link:		
Session Chair: Dr. Krishankumar, IIM, Bodh Gaya		
https://meet.google.com/eud-wibk-qwc		

ID	Author(s)	Paper Title
RAORBA- 8	PIYA GHOSH	Optimizing Perishable Inventory Tracking for Real-Time Decision Making
RAORBA-13	DEBOPRIYA DEY	Control of inventory production problem of a single deteriorating item in segmented market
RAORBA-27	KAUSHIK MITRA	Investment in Cryptocurrency: State-of-the-Art and Future Agenda
RAORBA-34	JYOTIRANJAN ROUT	Fraud Detection in Financial Transactions: An Ensemble Learning Framework for Risk Management
RAORBA-37	DEEPTI RANI PATTANAİK	BREAST CANCER CLASSIFICATION WITH HYBRID ARTIFICIAL NEURAL NETWORKS AND DEEP NEURAL NETWORK
RAORBA-39	UMRAH NAUSHAD	Bridging Prediction Gaps in Agricultural Minimum Support Prices with Machine Learning: A Bibliometric Analysis
RAORBA-G-2	SAPTARSHI BANERJEE, SATAVISHA DUTTA	Bioengineering perceptives of fluid mechanics having applications in circulatory disorders in human artery - an analytical study



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Day 1: 25th July 2024 (Thursday)

Time: 4:20-6:00 pm	Track: 05	Mode: Online
Link:		
Session Chair: Prof. (Dr.) Monalisha Pattnaik, Dept. of Statistics, Sambalpur University		
http://meet.google.com/pxb-yfgk-ton		

ID	Author(s)	Paper Title
RAORBA-1	Abhishek Adsul	Computer Vision for Real time Animal Detection and Conservation System
RAORBA-15	PIYA GHOSH	Predicting Insurance Claim Approval and Loan Approval using Machine Learning and Factor Analysis
RAORBA-32	M R RAMESH	Library Analytics for the Future Era: Enhancing Library Services through Data-Driven Insights
RAORBA-35	NITIN SAHU	Multi-Objective Optimization in Sustainable Freight Transportation: A Multi Choice Goal Programming Approach
RAORBA-40	DR. MADHURIMA GANGULY, KANKANA MUKHOPADHYAY, Dr.Prathima V G	HR ANALYTICS: A STRATEGIC TOOL
RAORBA-43	Tonmoy Maiti	Next Generation Demand Forecasting Methodology
RAORBA-56	Mrs. ANUPAMA KATIYAR	Application of Big Data analytics in the field of cyber security in Indian Context.



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Parallel Session Track

Day 2: 26th July 2024 (Friday)

Time: 3:30-4:30 pm	Track: 06	Mode: Offline
Session Chair: Prof. (Dr.) Dhrubasish Sarkar, Supreme Knowledge Foundation		
Room No.: G-1		

ID	Author(s)	Paper Title
RAORBA-2	PANDYA JAYDEEP	A Probabilistic Framework for Evaluating Efficiency Gains in Vogel's Approximation Method
RAORBA-3	Irfan Wahid	Cement Quality Prediction and Fraud Detection By Using AI
RAORBA-44	ISHANI RAY	Algorithms for solving decision-making problems under type-2 Pythagorean fuzzy sets environment
RAORBA-50	KAUSHIK DEBNATH	An Integration of Advanced Decision-Making Techniques with Extended MABAC Method and Generalized Weighted Bonferroni Mean Operator
RAORBA-51	ALAY KUMAR MUKHERJEE	A sustainable economic production quantity model with repairable defective products and carbon emission policies under uncertainty
RAORBA-G9	Dr. ANUPAMA CHANDA MITRA	Exploring Performance Evaluation of Orthopaedic Hospitals in Kolkata: A De Novo Approach
RAORBA-G10	DR. GANESH CHANDRA CHATTOPADHYAY	"A COMPARATIVE STUDY OF PROFITABILITY OF ECL AND CCL DURING 2012-13 TO 2021-22: INSIGHTS FOR STRATEGIC DECISION MAKING"



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Day 2: 26th July 2024 (Friday)

Time: 3:30-4:30 pm	Track: 07	Mode: Offline
Session Chair: Prof. (Dr.) Sankar Kumar Roy, Vidyasagar University		
Room No.: G-2		

ID	Author(s)	Paper Title
RAORBA-9	SAYAN CHAKRABORTY	Optimizing Last-Mile Delivery with UAV Support
RAORBA-26	SANJIB BISWAS	Who wins the order – Devotion or Promotion?
RAORBA-28	HIMADRI SHANKAR DAS	Scientific Instrumentation Business in India: Potential and Challenges, present state and future fate
RAORBA-36	Debmallya Chatterjee	TOGETHER WE CAN: A COMMUNAL APPROACH TO REGIONAL DEVELOPMENT AND FIGHTING DROUGHTS
RAORBA-53	ANIRBAN SAHA	A Study on Encrypted Digital Watermarking Scheme for Security of Medical Images



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ORGANIZED BY

**BHARATIYA VIDYA BHAVAN INSTITUTE OF MANAGEMENT SCIENCE,
KOLKATA, WEST BENGAL, INDIA**

IN ASSOCIATION WITH

OPERATIONAL RESEARCH SOCIETY OF INDIA (ORSI)-KOLKATA CHAPTER

PROGRAM SCHEDULE

Day 1: 25/07/2024 (Thursday)

Meeting Link for Day 1: <https://meet.google.com/aqp-vybs-pix>

9:00-9:30 a.m.	Registration
9:30-10:30 a.m.	Inauguration Program <ul style="list-style-type: none">i. Welcomeii. Felicitation of Guestsiii. Welcome Address: The Organizing Chair-Dr. S. P. Mohapatra, Principal, Bharatiya Vidya Bhavan Institute of Management Science, Kolkataiv. Message: Convenor- Prof. Sreeparna Bhattacharyya, BIMS, Kolkatav. Theme Address: Prof. (Dr.) Samarjit Kar, The Programme Chairvi. Address: Prof. (Dr.) R. N. Mukherjee, Vice President, ORSI, Kolkata Chaptervii. Special Address: Special Guest- Sri Pankaj Singh, COO, Magadh Sugar Energy LTD. Title: The Role of Operations Research and Business Analytics in Agriculture Production and Managementviii. Address: Dr. Bikram Sarkar, Chairman, Bharatiya Vidya Bhavan, Kolkata Kendraix. Vote of Thanks: Convenor- Dr. Anupama Chanda Mitra, BIMS, Kolkata

	x. National Anthem	
10:30-11:00 a.m.	High Tea	
Technical Session:1		
11:00-11:40 p.m.	<p>Keynote Address: Shri Debabrata Datta, Nuclear Scientist (Retd.), Bhabha Atomic Research Centre, Mumbai, India & Joint Director, R & D, HIT, Kolkata, India</p> <p>Title: Optimized Predictive Model of Remaining Useful Life of Engineering System and Accelerated CFD Simulation of Microfluid System Using Machine Learning and Deep Learning</p>	Chairperson: Prof. Bijan Sarkar
11:40-12.20 p.m.	<p>Invited Talk: Prof. Xiaoxia Huang, School of Economics and Management USTB, Beijing, China</p> <p>Title: Markowitz Model Revisited: A Change to Uncertain Model Approach</p>	
Technical Session:2		
12:30-1:00 p.m.	<p>Invited Talk: Prof. Bijan Sarkar, Head, Department of Production Engineering, Jadavpur University, Kolkata, India</p> <p>Title: Supply Chain Analytics: A Roadmap for Royalist</p>	Chairperson: Shri Debabrata Datta
1:00-1:30 p.m.	<p>Invited Talk: Prof. Apu Saha, National Institute of Technology, Agartala</p>	
1:30-2:30 p.m.	Lunch Break	
Technical Session:3		
2:30-3:00 p.m.	<p>Invited Talk: Prof. Bibhas Chandra Giri, Department of Mathematics, Jadavpur University, Kolkata, India</p> <p>Title: Dynamic, Smart, Sustainable Supply Chain under Nash Bargaining Fairness Concerns</p>	Chairperson: Prof. (Dr.) Subrata Saha
3:00-3:30 p.m.	<p>Invited Talk: Dr. Krishankumar, IIM, Bodh Gaya</p> <p>Title: Can Data Mining Techniques Be Useful in Multi-Attribute Decision-Making?</p>	
3:30-4:00 p.m.	<p>Invited Talk: Prof. Animesh Biswas, University of Kalyani, Kalyani, India</p> <p>Title: Roles of Aggregation Operators in Information Processing under Imprecise Environments and Application to Healthcare Waste Management</p>	
4:00-4:20 p.m.	Tea Break	
4:20-6:00 p.m.	Technical Sessions (5 Parallel Tracks)	

7:00 - 10:00 pm	Networking Dinner, Venue: Beyzaa Hotel and Suites, Kolkata, India
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Link for Day 2: <https://meet.google.com/qvf-peqe-kbe>

Day 2: 26/07/2024 (Friday)

9:00-9.30 a.m.	Registration	
Technical Session:4		
9:30-10:10 a.m.	Key Note Address: Prof. Oscar Castillo , Tijuana Institute of Technology, Tijuana, Mexico Title: Optimization of Type-2 Fuzzy Systems and Future Trends for Theory and Applications	Chairperson: Prof. (Dr.) Samarjit Kar
10:10-10:40 a.m.	Invited Talk: Prof. Gautam Bandopadhyay , Department of Management Studies NIT, Durgapur, India Title: Predictive Modelling Using Non-parametric Methods Leveraging Non-parametric Methods for Estimation	
10:40-11:00 a.m.	High Tea	
Technical Session:5		
11:00-11:30 a.m.	Invited Talk: Prof. Sankar Kumar Roy , Department of Applied Mathematics, Vidyasagar University, WB, India Title: A Small Journey of Supply Chain Management through Sustainable Development	Chairperson: Prof. (Dr.) Amitava Mukherjee
11:30-12:00 noon	Invited Talk: Prof. Erfan Babae Tirkolae , Department of Industrial Engineering, Istinye University, Istanbul, Turkey Title: Integrated Design of a Sustainable Waste Management System with Co-Modal Transportation Network	
Technical Session:6		
12:00-12:30 p.m.	Invited Talk: Dr. Abhirup Bandopadhyay , Research Associate (Post-Doc), Department of Clinical Neuroscience, K8 Psychology Group, Karolinska Institute, Cognitive & Systems Neuroscience Group, University of Amsterdam, Netherlands Title: Conformational Phase Transition in Intrinsically Disordered Proteins: Capturing a Crucial 'Disorder-To-Order Transition' at the Heart of the Coronavirus Molecular Pathology	Chairperson: Prof. (Dr.) Gautam Bandyopadhyay
12:30-1:00 p.m.	Invited Talk: Prof. Amitava Mukherjee , Department of Management (Production, Operations & Decisions Sciences), XLRI, Jamshedpur, India	

	Title: An Overview of Recent Advancements in Non-parametric Monitoring of High-dimensional Processes and Some New Development	
1:00-2:00 p.m.	Lunch	
2:00-3:30 p.m.	Case Writing Workshop: Prof. Debmallya Chatterjee , S P Jain Institute of Management Research, Mumbai	Chairperson: Prof. (Dr.) Sanjib Biswas
3:30-4:30 p.m.	Technical Sessions (2 Parallel Tracks)	
4:30-5:00 p.m.	High Tea	
5:00-5:30 p.m.	Valedictory Session <ul style="list-style-type: none"> i. Valedictory Speech ii. Certificate Distribution iii. Vote of Thanks: Convenor- Prof. Sreeparna Bhattacharyya, BIMS, Kolkata 	