

**Schedule of  
4<sup>th</sup> International Conference  
on**

**MATHEMATICAL MODELING, COMPUTATIONAL INTELLIGENCE TECHNIQUES AND RENEWABLE  
ENERGY (MMCITRE-2024)**

**MAY 29-31, 2024**

**Organizers:**

Manipal University Jaipur, Jaipur, Rajasthan, India

University of Barcelona, Spain.

RACEF Society, Barcelona, Spain; UCSC, Chile; UPTC, Columbia,

Forum for Interdisciplinary Mathematics (FIM), Gujarat Chapter, India

**Day-1  
29-05-2024**

<u>Time</u>	
(IST) 09:00 am - 10:00 am (GMT) 03:30 am - 04:30 am	<b>Registration</b>
(IST) 10:00 am - 11:00 am (GMT) 04:30 am - 05:30 am	<u><b>Inauguration Schedule</b></u> Prof. S. Sundar, IIT Chennai and Director NIT, Mizoram (Chief Guest) Prof. G.P. Raja Sekhar, IIT Kharagpur (Guest of Honor) Prof. Sree Hari Rao Vadrevu, Hyderabad, India (Guest of Honor) <b>Venue: Smt. Sharada Pai Auditorium</b>
(IST) 11:00 – 11:05 am (GMT) 05:30 am - 05:35 am	<b>Group Photo</b>
(IST) 11:05 – 11:30 am (GMT) 05:35 am - 06:00 am	<b>High Tea</b>
(IST) 11:30 am – 12:15 pm (GMT) 06:00 am - 06:45 am	<u><b>Keynote Talk - 1</b></u> <b>Prof. G.P. Raja Sekhar,</b> <b>IIT Kharagpur</b> Session Chair: Dr. Chandra Shekhar Nishad Session Coordinator: Dr. Anil Ahlawat <b>Venue: Smt. Sharada Pai Auditorium</b>
(IST) 12:15 pm - 1:00 pm (GMT) 06:45 am - 07:30 am	<u><b>Keynote Talk – 2</b></u> <b>Prof. Sree Hari Rao Vadrevu</b> <b>Foundation for Scientific Research and Technological Foundation,</b> <b>Hyderabad, India</b> Session Chair: Prof. Roheet Bhatnagar Session Coordinator: Dr. Mahesh Kumar Dubey <b>Venue: Smt. Sharada Pai Auditorium</b>

<b>(IST) 1:00 pm – 2:00 pm</b> <b>(GMT) 7:30 am - 8:30 am</b>		<b>Lunch Break</b>				
<b>(IST) 2:00 pm – 02:45 pm</b> <b>(GMT) 08:30 am - 09:15 am</b>		<u>Keynote Talk - 3</u> <b>Prof. Husham M. Ahmed (Online)</b> <b>Research Director, University of Technology, Bahrain</b> <b>Session Chair: Prof. Sumit Shrivastava</b> <b>Session Coordinator: Dr. Ankur Jain</b> <b>Venue: Smt. Sharada Pai Auditorium</b>				
<b>(IST) 2:45 pm – 03:30 pm</b> <b>(GMT) 09:15 am - 10:00 am</b>		<u>Keynote Talk - 4</u> <b>Prof. Mohan Lal Kolhe, University of Agder, Norway (Online)</b> <b>Session Chair: Prof. Ajay Kumar</b> <b>Session Coordinator: Dr. Vivek Singh</b> <b>Venue: Smt. Sharada Pai Auditorium</b>				
<b>(IST) 03:30 pm – 03:45 pm</b> <b>(GMT) 10:00 am - 10:15 am</b>		<b>Tea Break</b>				
<b>(IST) 3:45 to 5:45 pm</b> <b>(GMT) 10:15 am - 12:15 pm</b>		<b>Paper Presentations</b> <b>(12 minutes paper presentations)</b>				
<u>Session 1</u> <b>(Room No. 002, 2AB)</b>	<u>Session 2</u> <b>(Room No. 004, 2AB)</b>	<u>Session 3</u> <b>(Room No. 023, 2AB)</b>	<u>Session 4</u> <b>(Room No. 025, 2AB)</b>	<u>Session 5</u> <b>(Room No. 029, 2AB)</b>		
<b>(AI and Machine Learning)</b>	<b>(Data Analytics and Warehouse)</b>	<b>(Optimization and Graph Theory)</b>	<b>(Cryptography, IoT and Network System)</b>	<b>(Fuzzy Mathematics and applications, Information Theory)</b>		
<b>Session Chairs:</b> Dr. Rajnish Mallick	<b>Session Chairs:</b> Dr. Ajender Kumar Malik	<b>Session Chairs:</b> Dr. Chandra Shekhar Nishad	<b>Session Chairs:</b> Dr. Santosh Kumar	<b>Session Chairs:</b> Dr. Mithilesh K. Chaube		
<b>Co-chair: Dr. Reema Jain</b> <b>(Co-ordinator- Dr. Alka Choudhary)</b>	<b>Co-chair: Dr. Pooja Sharma</b> <b>(Co-ordinator- Dr. Ayush Tripathi)</b>	<b>Co-chair: Dr. Dasari Nagaraju</b> <b>(Co-ordinator- Dr. Pravin Kumari)</b>	<b>Co-chair: Dr. Ruchika Mehta</b> <b>(Co-ordinator- Dr. Mahesh Kr. Dubey)</b>	<b>Co-chair: Dr. Sunil Joshi</b> <b>(Co-ordinator- Dr. Ashok Kumar Pal)</b>		
<b>Paper ID</b>	<b>Paper ID</b>	<b>Paper ID</b>	<b>Paper ID</b>	<b>Paper ID</b>		
MMCITRE2024257 MMCITRE2024033 MMCITRE2024161 MMCITRE2024267 MMCITRE2024217 MMCITRE2024010 MMCITRE2024149	MMCITRE2024088 MMCITRE2024277 MMCITRE2024086 MMCITRE2024266 MMCITRE2024275 MMCITRE2024062 MMCITRE2024212 MMCITRE2024065	MMCITRE2024340 MMCITRE2024046 MMCITRE2024263 MMCITRE2024265 MMCITRE2024076 MMCITRE2024117 MMCITRE2024120 MMCITRE2024032 MMCITRE2024353	MMCITRE2024037 MMCITRE2024129 MMCITRE2024113 MMCITRE2024185 MMCITRE2024093 MMCITRE2024240 MMCITRE2024223	MMCITRE2024292 MMCITRE2024357 MMCITRE2024356 MMCITRE2024273 MMCITRE2024317 MMCITRE2024104 MMCITRE2024370		
<b>(IST) 06:15 pm - 7:00 pm</b> <b>(GMT) 12:45 pm - 1:30 pm</b>		<u>Keynote Talk - 5</u> <b>Prof. Fabio Blanco-Mesa, UPTC, Columbia (Online)</b> <b>Session Chair: Dr. Manoj Sahni</b> <b>Session Coordinator: Dr. Ashok Kumar Pal</b> <b>Venue: Smt. Sharada Pai Auditorium</b>				
<b>7:30 pm. onwards</b>		<b>Dinner</b>				

**Day-2**  
**30-05-2024**

<u>Time</u>						
<b>(IST) 8:30 – 9:15 am</b>		<b>Break-Fast (At Old Food Court)</b>				
<b>(IST) 09:15 am - 10:00 am</b> <b>(GMT) 03:45 am - 04:30 am</b>		<p style="text-align: center;"><u><a href="#">Keynote Talk – 6</a></u></p> <p style="text-align: center;"><b>Prof. Ernesto Leon Castro (Online)</b> <b>Universidad Catolica de la Santísima Concepcion (UCSC), Chile</b></p> <p style="text-align: center;"><b>Session Chair: Dr. Manoj Sahni</b> <b>Session Coordinator: Dr. Bhoopendra Pachauri</b></p> <p style="text-align: center;"><b>Venue: Smt. Sharada Pai Auditorium</b></p>				
<b>(IST) 10:00 am - 10:45 am</b> <b>(GMT) 04:30 am - 05:15 am</b>		<p style="text-align: center;"><u><a href="#">Keynote Talk – 7</a></u></p> <p style="text-align: center;"><b>Prof. Jose M. Merigo Lindahl, University of Technology, Sydney, Australia</b> <b>(Online)</b></p> <p style="text-align: center;"><b>Session Chair: Dr. Manoj Sahni</b> <b>Session Coordinator: Dr. Vinod Yadav MUJ</b></p> <p style="text-align: center;"><b>Venue: Smt. Sharada Pai Auditorium</b></p>				
<b>(IST) 10:45 am – 11:00 am</b> <b>(GMT) 05:15 am - 05:30 am</b>		<b>Tea Break</b>				
<b>(IST) 11:00 am - 11:45 am</b> <b>(GMT) 05:30 am - 06:15 am</b>		<p style="text-align: center;"><u><a href="#">Keynote Talk - 8</a></u></p> <p style="text-align: center;"><b>Prof. Jayaram Balasubramaniam</b> <b>IIT, Hyderabad</b></p> <p style="text-align: center;"><b>Session Chair: Dr. Sharanjeet Dhawan</b> <b>Session Coordinator: Dr. Riya Jain</b></p> <p style="text-align: center;"><b>Venue: Smt. Sharada Pai Auditorium</b></p>				
<b>(IST) 11:45 am – 01:15 pm</b> <b>(GMT) 06:15 am - 07:45 am</b>		<b>Paper Presentations</b> <b>(12 minutes for the paper presentations)</b>				
<p><u><a href="#">Session 1</a></u> <b>(Room No. 002, 2AB)</b> <b>(AI and Machine Learning)</b></p> <p style="text-align: center;"><b>Session Chairs:</b> <b>Dr. Ravi Sharma</b></p> <p><b>Co-chair:</b> Dr. Bhoopendra Pachauri (Co-ordinator- Dr. Pravin Kumai)</p>	<p><u><a href="#">Session 2</a></u> <b>(Room No. 004, 2AB)</b> <b>(Computational Mathematics)</b></p> <p style="text-align: center;"><b>Session Chairs:</b> <b>Dr. Dharmendra Tripathi</b></p> <p><b>Co-chair:</b> Dr. Reema Jain (Co-ordinator- Dr. Alka Choudhary)</p>	<p><u><a href="#">Session 3</a></u> <b>(Room No. 023, 2AB)</b> <b>(Data Analytics and Warehouse)</b></p> <p style="text-align: center;"><b>Session Chairs:</b> <b>Prof. Sunil Pathak</b></p> <p><b>Co-chair:</b> Dr. Ashish Kumar (Co-ordinator- Dr. Ankur Jain)</p>	<p><u><a href="#">Session 4</a></u> <b>(Room No. 025, 2AB)</b> <b>(Cryptography, IoT and Network System)</b></p> <p style="text-align: center;"><b>Session Chairs:</b> <b>Dr. Parth Dinesh Mehta</b></p> <p><b>Co-chair:</b> Dr. Garima Agarwal (Co-ordinator- Dr. Vijay Shankar Sharma)</p>	<p><u><a href="#">Session 5</a></u> <b>(Room No. 029, 2AB)</b> <b>(Mathematical Modelling)</b></p> <p style="text-align: center;"><b>Session Chairs:</b> <b>Prof. Sanjeev Kumar</b></p> <p><b>Co-chair:</b> Dr. Ruchika Mehta (Co-ordinator- Dr. Mahesh Kr. Dubey)</p>		

<b>Paper ID</b> MMCITRE2024258 MMCITRE2024359 MMCITRE2024369 MMCITRE2024080 MMCITRE2024262 MMCITRE2024180 MMCITRE2024021 MMCITRE2024374	<b>Paper ID</b> MMCITRE2024365 MMCITRE2024077 MMCITRE2024016 MMCITRE2024304 MMCITRE2024336 MMCITRE2024310 MMCITRE2024344 MMCITRE2024177 MMCITRE2024268 MMCITRE2024083 MMCITRE2024166	<b>Paper ID</b> MMCITRE2024337 MMCITRE2024354 MMCITRE2024071 MMCITRE2024261 MMCITRE2024254 MMCITRE2024202 MMCITRE2024078 MMCITRE2024092	<b>Paper ID</b> MMCITRE2024162 MMCITRE2024358 MMCITRE2024221 MMCITRE2024194 MMCITRE2024204 MMCITRE2024174	<b>Paper ID</b> MMCITRE2024364 MMCITRE2024169 MMCITRE2024122 MMCITRE2024173 MMCITRE2024103 MMCITRE2024303 MMCITRE2024055
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<b>(IST) 1:15 pm – 02:15 pm</b> <b>(GMT) 7:45 am - 8:45 am</b>	<b>Lunch Break</b>
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<b>(IST) 02:15 pm – 4:00 pm</b> <b>(GMT) 08:45 am - 10:30 am</b>	<b>Paper Presentations</b> <b>(12 minutes for the paper presentations)</b>
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<b>Session 6</b> <b>(Room No. 002, 2AB)</b>	<b>Session 7</b> <b>(Room No. 004, 2AB)</b>	<b>Session 8</b> <b>(Room No. 023, 2AB)</b>	<b>Session 9</b> <b>(Room No. 025, 2AB)</b>	<b>Session 10</b> <b>(Room No. 029, 2AB)</b>
<b>(AI and Machine Learning)</b>	<b>(Computational Mathematics)</b>	<b>(Fuzzy Mathematics, Information Theory)</b>	<b>Optimization and Graph Theory</b>	<b>(Mathematical Modelling)</b>
<b>Session Chairs:</b> <b>Dr. Deepika Rani</b>	<b>Session Chairs:</b> <b>Dr. Gajendar Pratap Singh</b>	<b>Session Chairs:</b> <b>Prof. Praveen Agarwal</b>	<b>Session Chairs:</b> <b>Prof. Sumit Shrivastav</b>	<b>Session Chairs:</b> <b>Prof. Alka Sharma</b>
<b>Co-chair:</b> <b>Dr. Sunil Joshi</b> <b>(Co-ordinator- Dr. Ashok Kumar Pal)</b>	<b>Co-chair:</b> <b>Dr. Pooja Sharma</b> <b>(Co-ordinator-Dr. Ayush Tripathi)</b>	<b>Co-chair:</b> <b>Dr. Dasari Nagaraju</b> <b>(Co-ordinator-Dr. Pravin Kumari)</b>	<b>Co-chair:</b> <b>Dr. Ashish Kumar</b> <b>(Co-ordinator-Dr. Ankur Jain)</b>	<b>Co-chair:</b> <b>Dr. Anamika Jain</b> <b>(Co-ordinator- Dr. Anil Ahlawat)</b>
<b>Paper ID</b> MMCITRE2024168 MMCITRE2024048 MMCITRE2024205 MMCITRE2024200 MMCITRE2024041 MMCITRE2024029 MMCITRE2024155 MMCITRE2024145 MMCITRE2024190 MMCITRE2024342 MMCITRE2024353 MMCITRE2024371	<b>Paper ID</b> MMCITRE2024009 MMCITRE2024360 MMCITRE2024274 MMCITRE2024175 MMCITRE2024126 MMCITRE2024178 MMCITRE2024095 MMCITRE2024066 MMCITRE2024322 MMCITRE2024321 MMCITRE2024107 MMCITRE2024012	<b>Paper ID</b> MMCITRE2024290 MMCITRE2024289 MMCITRE2024293 MMCITRE2024269 MMCITRE2024074 MMCITRE2024085 MMCITRE2024245 MMCITRE2024171 MMCITRE2024172 MMCITRE2024109 MMCITRE2024373	<b>Paper ID</b> MMCITRE2024096 MMCITRE2024167 MMCITRE2024158 MMCITRE2024164 MMCITRE2024004 MMCITRE2024099 MMCITRE2024105 MMCITRE2024003 MMCITRE2024187 MMCITRE2024189 MMCITRE2024314 MMCITRE2024375	<b>Paper ID</b> MMCITRE2024270 MMCITRE2024278 MMCITRE2024264 MMCITRE2024146 MMCITRE2024276 MMCITRE2024102 MMCITRE2024061 MMCITRE2024143 MMCITRE2024376

<b>(IST) 4:00 pm – 4:30 pm,</b> <b>(GMT) 10:30 am - 11:00 am</b>	<b>Tea Break</b>
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<b>Valedictory Session</b> <b>(IST) 4:30 pm – 5:30 pm</b> <b>(GMT) 11:00 am - 12:00 pm</b> <b>Venue: Smt. Sharada Pai Auditorium</b>
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<b>(IST) 7:30 pm</b> <b>(GMT) 2:00 pm</b>	<b>Gala Dinner</b>
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<b>Day-3</b> <b>31-05-2024</b> <b>1 Day Jaipur Tour</b>
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## List of Accepted Abstracts

Conference Paper ID	Authors	Title
MMCITRE2024003	Krishnanand Vishwakarma	Impact of Delay on Prey-Predator Model with Logistic Growth and Hunting Cooperation
MMCITRE2024004	Jay Chandra Yadav and Mohammad Rizwanullah	Optimization of Chinese Postman Problem using Fuzzy-based Priority Weighted Graph
MMCITRE2024009	Alok Bhargava and Ravi Kumar Jain	Some New Results on Fractional Integration of I – Function
MMCITRE2024010	Shaik Qadeer and Mohammed Yousuf Khan	A Machine Learning Based Efficient and Low Cost Anti-theft Fuel Tracking System
MMCITRE2024012	Santosh Shekhawat and Kalpna Sharma	Re-Manufacturing Supply Chain with Bell Curve Demand Rate and Carbon Emission Impact
MMCITRE2024016	Augus Kurian, I. R. Sumathi and S. A. Edalatpanah	A Novel Technique on MCDM using Non-linear Hexagonal Neutrosophic Numbers
MMCITRE2024021	Anubhav Behera, Vishnupriya Singh, Jay Prakash Singh, Mahendra Kumar Gourisaria, and Himansu Das	A Comparative Analysis of Different Deep Learning Models for Stock Price Prediction
MMCITRE2024029	Tushar Sharma, Kunal Chawla, Pavan Kumar Sharma and Raman Chawla	Analyzing the Efficiency of Machine Learning Algorithms in Fake News Detection: A Comparative Study
MMCITRE2024032	Gauri Thakur and Ashok Pal	Optimization of Four-Stage Gear Box Problem using Slime Mould Algorithm Based on Cauchy Mutation
	Sumairah Rahman and	I.R.I.S. : Intelligent Reference

MMCITRE2024033	Ashwin Kumar Srivastava	Interface System
MMCITRE2024037	Rajaram Hansda, Jyoti Grover and Sunita Singhal	Detecting Malware in IoT Networks using Advanced Learning Techniques
MMCITRE2024041	Sheetal Pandya, Kaushal Jani and Ashwin Raiyani	Machine Learning-Based Predictive Models for Early Detection and Diagnosis of Diabetes Mellitus
MMCITRE2024046	Prashant Vats and Govindmurari Upadhyay	Optimizing Skin Disease Classification: Feature Weighting Enhancement with Extreme Learning Machines
MMCITRE2024048	Aryan Sanyal, Tushar Nayyar, Ashish Kumar, Richa Sharma and Monica Kaushik	Convolutional Neural Networks for Classification of Dental Diseases using Salient Object Detection
MMCITRE2024055	Himansu Das, Mahendra Kumar Gourisaria and Jay Prakash Singh	A Comprehensive Study on Stock Prediction using GRU Models
MMCITRE2024061	Anubhav Behera, Vishnupriya Singh, Jay Prakash Singh, Mahendra Kumar Gourisaria and Himansu Das	Enhancing Stock Prediction Accuracy: A Comparative Study of Various LSTM Models Against Meerkat Optimized LSTM
MMCITRE2024062	Archika Jain, Devendra Somwanshi and Shalini Puri Hamilton	Privacy Protection and Data Integrity in Cloud Computing
MMCITRE2024065	Md. Mortuza Ahmmed, Shalini Puri, K. M. Tahsin Kabir and Mian Mohammad Rassel	Quantitative Insights into Renewable Energy: A Statistical Perspective on Solar, Wind, and Hydro Energy in Bangladesh
MMCITRE2024066	Man Mohan Singh, Garima Agarwal and Alok	Application of Matrix Method for the Study of Covid-19 Variants

	Bhargava	
MMCITRE2024071	Md. Mortuza Ahmmed, Shalini Puri, K. M. Tahsin Kabir and Mian Mohammad Rassel	Mapping Bangladesh's Healthcare Outside Government Influence: A Statistical Approach
MMCITRE2024074	Mridula Jain and Indeewar Kumar	Cost Analysis of Fuzzy Discrete (s, S) Queueing Inventory System with positive lead time and Optimization of the Cost using Genetic Algorithm
MMCITRE2024076	Somprabha Kashyap, Gireesh Kumar and Richa Sharma	A Decision Tree Analysis on Suicides during COVID-19: A Review
MMCITRE2024077	Rekha Bali, Ragini Tripathi and Swati Mishra	Mathematical Study of Blood Flow in Small Vessels: Considering Red Blood Cell Deformation
MMCITRE2024078	Monika Trivedi, Shyam Sundar, Ram Naresh Tripathi and Agraj Tripathi	Stability Analysis of a Model to Study the Effect of Indoor Air Pollution on Human Population with Optimal Control
MMCITRE2024080	Esraa M. Hamza, Mahmoud Y. Shams, Roheet Bhatnagar and Hesham A. Ali	Deploying a Machine Learning-Based Intelligent System for Phishing URL Detection
MMCITRE2024083	Priyanka Gupta, Ekta Mittal and Sunil Joshi	New Image formula for Extended Generalized Hypergeometric Function
MMCITRE2024085	Praphull Chhabra and Sonam Chhabra	Application of New Fuzzy Measure in Multi-Attribute Decision-Making
MMCITRE2024086	Ritu Goel, Vikas Kumar and H. C. Taneja	On Generalized Information Measure of Order ( $\alpha, \beta$ ) and k-Record Statistics
MMCITRE2024088	Rohit Shiv Ashish Sharma and Himanshu Rathore	A Two-warehouse Inventory Model for Deteriorating Items with Hybrid

		Type Demand Rate
MMCITRE2024092	Tejpal Meedal and Himanshu Rathore	An Analytical Model for Preservation Technology Investment for Deteriorating Items with Stock and Price Dependent Demand Rate
MMCITRE2024093	Md Javed Raja, Mamun Akhungi, Rohan Rowson, Prianka Dey and Mouli Das	Proxy and VPN Detector
MMCITRE2024095	Rakesh Batra, Ruchi Gupta and Priyanka Sahni	A New Extension of F-Kannan Contraction and Some Related Novel Results on Fixed Points with Application
MMCITRE2024096	Neelima Shekhawat and Vivek Singh	Nondifferentiable Minimax Programming Problems under Higher-Order Convexity
MMCITRE2024099	S. Leena, G. Uma Maheswari, V. Shendra Shiany, Fredrick Ignatius and V. Balaji	Introduction of Multi Magic Labeling and its Assignment on Two Cubic Graphs
MMCITRE2024102	Adil khan, Ankita Kumari, Anivesh Shaw, Rathindra Nath Basak, Sagarika Chowdhury and Pushpita Roy	Airport Dwell Time Prediction Model for Touch Points
MMCITRE2024103	Udoy Narayan Gogoi, Pallabi Saikia, Smita Paul, Lipika Khataniar and Dimpal Jyoti Mahanta	Rapid Parameter Estimation of Modified Gompertz and Logistic Growth Model for Analyzing the Growth of Bacillus Subtilis SCB1
MMCITRE2024104	Shewali Saikia, Manash Jyoti Borah and Dimpal Jyoti Mahanta	Intuitionistic Fuzzy Soft Sets and Coefficients of Association in Infectious Disease Diagnosis
	Thanigachalam, V.	On Generalized Prism Graphs $GP(m,$



MMCITRE2024105	Shendra Shainy, G. Margaret Joan Jebarani, T. Sathinathan Thomas and V. Balaji	1) and SMT Labeling
MMCITRE2024107	Ashok Kumar Badsaraa and Virendra Singh Chouhan	Dynamical Behaviour of Approximate Solutions to the Caputo Fabrizio Fractional Derivative and Fractional Differential Equations using Banach Space
MMCITRE2024109	Ravinder Kumar and Virendra Singh Chouhan	Nonlinear System of Fractional Order and its Approximate Solution
MMCITRE2024113	Tejaswa Baghel, Shikhar Bhatnagar and Mayank Kumar Jain	Deep Green: A Convolutional Neural Network Approach for Accurate Plant Disease Identification
MMCITRE2024117	M.Meenakshi, R. Dheepthi and J. Manikandan	Ant Colony Based Optimized Secure System for Image Concealment
MMCITRE2024120	Chandrima Raychaudhuri and Anamika Jain	Queueing-Inventory System with Multiple Orbit Vacation
MMCITRE2024122	Sunil Kumawat and Laxmi Poonia	Inhomogeneous Bianchi VI <sub>0</sub> String Cosmological Model in General Relativity
MMCITRE2024126	G Swapna and Diksha Gupta	Finite Element Exploration of Convective Surface Condition on Radiative Buoyancy-Driven Magneto- Micropolar Flow
MMCITRE2024129	Kritika Kumari, Arjyadhara Pradhan, Ashish kumar Giri, Kananbala Ray, Sraddhanjali Mohapatra	IOT Based Weather Detection using Solar Photovoltaic System

	and Sampurna Panda	
MMCITRE2024143	Akbari Jahan	Computation of Mellin Moments of Quark and Gluon Distributions
MMCITRE2024145	Shreyangshu Bera, Ankit Singh, Ashutosh Kaleron, Nitesh Sharma, Jitendra Yadav and Neetu Bala	Super-Resolution of Satellite Imagery with Self-Attention in SRGAN
MMCITRE2024146	Pallabi Saikia, Barsha Saikia, Nuklukaba Longkumer, Nipan Saharia, Rakhit Ranjan Gowalla and Dimpal Jyoti Mahanta	A Study to Introduce New Methods of Estimation to Estimate the Parameters of Lundqvist-Korf Growth Model and Kanis Growth Model
MMCITRE2024149	Shelly Prakash and Vaibhav Vyas	Proactive Fault Detection in Weather Forecast Control Systems Through Heartbeat Monitoring and Cloud-Based Analytics
MMCITRE2024155	Divyanshi, Sparsh Sundriyal and Sweta Srivastava	Image Steganography using CNN
MMCITRE2024158	Anamika Jain, Sapna and Richa Sharma	Preventive Maintenance and Availability Exploratory in a Retrieval Queuing System with Working Vacation using ANFIS
MMCITRE2024161	Mahmoud Y. Shams, Eman Yousif Darwish, Sherif Elseuofi, Roheet Bhatnagar, Esraa Hassan and A. A. Salama	Neutrosophic BCD and BCD-Xs3 Codes: Algorithms for Encoding and Decoding Numerical Data
MMCITRE2024162	Poonam	Plane Wave Propagation in Exponentially Graded Non Local Couple Stress Solid Media under

		Initial Stress
MMCITRE2024164	Guman Singh and Mohammad Rizwanullah	Optimization of Multi-objective Multi-product Stochastic Supply Chain Network Problem using Goal Programming Approach
MMCITRE2024166	Pooja Agarwal and Reema Jain	Analysis of Activation Energy and Thermodiffusion in Magnetohydrodynamic Flow of Powell Eyring Fluid
MMCITRE2024167	Tejpal Meedal and Himanshu Rathore	Two-Warehouse Inventory System for Deteriorating Items Under Preservation Technology with Advertisement-Dependent Demand under the Inflationary Environment
MMCITRE2024168	Shoba Pandian and Mohana N.	Vertex Vulnerability in 2D Lattice Structure of Boron $\alpha$ -Nanotube Network
MMCITRE2024169	Bhuvan Gupta, Shivi Agarwal, Trilok Mathur and Muskan Deori	Performance Analysis of Indian Non- Life Insurance using NSM DEA
MMCITRE2024171	Naveen Kumar and Juthika Mahanta	A Novel 3D Similarity Measures with Pythagorean Fuzzy Sets: Enhancing Decision Making in Solar Panel Selection
MMCITRE2024172	Rishabh and Kedar Nath Das	An Optimal Renewable Energy Source Selection in a Fuzzy Environment using a Hybridized Particle Swarm Optimization Algorithm
MMCITRE2024173	Arpita Devi and Praveen Kumar Gupta	Exploring Hopf Bifurcation in a COVID-19 Transmission Model Incorporating Nonlinear Incidence, Saturated Treatment and Reinfection

MMCITRE2024174	Aditya Makwe and Priyesh Kanungo	A Multi-Level Broker Architecture for Cloud Service Monitoring for Infrastructure as a Service Cloud
MMCITRE2024175	G. Sheetal and G. Swapna	Enhancing Convective Heat Transfer in Engine Oil: A Comparative Study of Various Nanoparticles
MMCITRE2024177	Jyoti U. Yadav and Twinkle R. Singh	Solution of Foam Drainage Model by Variational Iteration Transform Method with Fractional Approach
MMCITRE2024178	Manish Kumar Sharma, Richa Sharma and Anil Kumar Yadav	Stream Pressure Regulation of Boiler Turbine Generator System using Adaptive Control Approach
MMCITRE2024180	Vasanth Kumar.Ch, Jithendra V. A., Hemapriya R. and Chevula Naga Durga	Music Therapy using Emotion Detection and Real Time Capture using CNN Algorithm
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