

SASTRA DEEMED TO BE UNIVERSITY
1st International Mathematics Conclave 2023 (IMC-2023)
(Sponsored by NBHM)

23-25 November 2023
List of Paper presenters (Off-line mode)

S. No	Paper ID	Name of the presenter	TITLE OF THE PAPER
Day 1- 23-11-2023-Slot 1- ASK-I First floor 4.30 PM – 5.30 PM			
1	IMC2023_04	B. Praba, L.P.Anto Freeda	Rough concept lattice derived from reduced attribute value paired information system and its applications in analyzing the medal list in martial arts
2	IMC2023_06	Dr.K.Abirami	Mathematical Alchemy: Reshaping the Arts Curriculum for Research Mastery
3	IMC2023_21	K. Jeevitha	PRIOROTIZING IoT RISK FACTORS WITH LINEAR DIOPHANTINE FUZZY-MARCOS RANKING
4	IMC2023_23	Kalyanaraman.R, Vasu. V	A Finite capacity one server queueing system with state-dependent parameters along balking
5	IMC2023_24	R. Kalyanaraman, B.Anurathi	A two server vacation queue with state dependent hybrid service discipline
Day 1- 23-11-2023-Slot 2- ASK-I Second floor 4.30 PM – 5.30 PM			
6	IMC2023_27	Kumbinarasaiah S, Yeshwanth R	A Study of Zika Virus transmission through Haar wavelet collocation method.
7	IMC2023_146	Sivaranjani.R	Enhanced automated framework for Bone Age Estimation using Deep Learning Model
8	IMC2023_32	Mampi Debnath	A Study of Portfolio Allocation using Multi Criteria Group Decision Making under Fermatean Fuzzy Environment
9	IMC2023_36	Nirmala A N., Kumbinarasaiah S.	A Novel graph theoretic Analytical Method for Fokker-Planck Equation.
10	IMC2023_41	Priya Janaky Aiyer	Priya's Number Postulates and Theorems
Day 1- 23-11-2023-Slot 3- ASK-I Third floor 4.30 PM – 5.30 PM			
11	IMC2023_43	S. Harshini Vhalli, S. Athithan	Forecasting complications associated with Diabetes using Machine Learning Algorithms
12	IMC2023_44	Sachin K N	A semi-analytic and numerical approach to the fractional differential equations
13	IMC2023_52	Md Selim Reja, Sk. Md. Abu	Degree Kirchhoff index, the Schultz index and the Gutman index of a kind of closed hexagonal chain

		Nayeem, Md Abdus Sahir	
14	IMC20 23_145	Shreya Shravanthi B	Data Analysis and Prediction of Chronic Kidney Disease using Machine Learning Techniques
15	IMC202 3_09	G. Ayyappan,G. Archana @ Gurulakshmi	Analysis of Retrial Queue with Two Way Communication, Working Breakdown and Collision
Day 2- 24-11-2023-Slot 1-ASK-I First floor (2.30 PM-3.30 PM)			
16	IMC20 23_58	A. Sudhagar,S. Athithan	Breast Cancer Prediction through Some Machine Learning Models based on the Soft Voting Classifiers Methodology
17	IMC20 23_64	Vimala P, Suganthi R, Bhooma S	A non-Newtonian fluid model for four-layered blood flow in confined arteries with the effect of magnetic field and radiation
18	IMC20 23_55	TVG Shriprakash,M CHANDRAMOU LESWARAN	Equitable vertex coloring of S-valued Graphs
19	IMC20 23_70	D.R.V.S.R.K. Sastry ,N. Naresh Kumar ,Adigoppula Raju	Heat Transfer Analysis of MHD Micropolar Fe 3 O 4 /CNT– EG Hybrid Nanofluid Flow past a Squeezing Channel
20	IMC20 23_74	S.A. Syed Arshad, C.R. Ajay Kumar, B. Santhi, S. Priya.	Secure Data transmission using Lightweight Cryptography algorithm using Rail Fence Stream Cipher

Day 2- 24-11-2023-Slot 1-ASK-I Second floor (2.30 PM-3.30 PM)			
21	IMC20 23_76	C.R. Ajay Kumar, S.A. Syed Arshad, SPriya,Rajamohan Jayabal.	Enhanced Image Security in an Unsecured Media using Lightweight Cryptographic Algorithm
22	IMC20 23_81	B. Santhiya	Analysis of Family Environment towards the Stress Management of Women Police with Special Reference to Chennai City, Tamil Nadu, India
23	IMC20 23_83	Subashini G	Stress Management by the Analysis of Mental Impacts of Women Police (Chennai City) Tamil Nadu, India with Structural Equation Modelling and Item Response Models
24	IMC202 3_151	T.Kannan	APPLICATION OF MACHINE LEARNING METHODS TO PREDICT THE MHD ROTATING FLOW OF MAXWELL FLUID FOR NON-FOURIER HEAT FLUX MODEL

25	IMC20 23_93	P.Dhivya	ERROR ANALYSIS: A STATISTICAL APPLICATION AND METHODOLOGICAL
Day 2- 24-11-2023-Slot 1-ASK-I Third floor (2.30 PM-3.30 PM)			
26	IMC20 23_96	P. Dhanasekaran	Score functions for T-spherical linear Diophantine fuzzy multi-criteria decision making
27	IMC20 23_97	G.Swaminathan	An efficient wavelet-based spectral approach for the solutions of nonlinear damping problems in ship dynamics
28	IMC20 23_98	J.Kavitha	An efficient Lucas wavelet method for solving fractional and nonlinear damping equations
29	IMC20 23_106	Dr.P.Naveen	Some Topological Indices of Unitary Addition Cayley Graphs
30	IMC20 23_108	Dr.G.Hariharan	A wavelet-based computational method for nonlinear differential equations in an immobilized enzyme system: A novel operational matrix approach
Day 3- 25-11-2023-Slot 1-ASK-I First floor (3.30 PM – 4.00 PM)			
31	IMC20 23_110	H. Naresh Kumar	Edges contained in all or in no minimum edge-vertex dominating set of a tree
32	IMC20 23_54	Shenbagam J, Dr. G. Venkatraman, Dr. S. Preetha	Human-Technology Interaction and the Students of Engineering: A Perception-Based Analysis
33	IMC20 23_113	Dr.G.Hariharan	An efficient approximation method for nonlinear differential equations arising in astrophysics
Day 3- 25-11-2023-Slot 1-ASK-I Second floor (3.30 PM – 4.00 PM)			
34	IMC20 23_120	Atul. A. Das	Career Analysis of Cricketers in T20 Internationals and Prediction of Runs
35	IMC20 23_122	Karunya R V	Credit Card Fraud Data Analysis and Prediction using Machine Learning Algorithms
36	IMC20 23_125	Nithya Mouttouraman	Analysis of M [X1] M [X2] /G 1 ,G 2 /1 retrial queue with priority services, Admission Control, Balking, Emergency Vacation, Differentiate Breakdown, Restoration
Day 3- 25-11-2023-Slot 1-ASK-I Third floor (3.30 PM – 4.00 PM)			
37	IMC20 23_127	Meena.s	Analysis of MAP/PH1,PH2/1 Retrial Inventory Queueing System with Essential and Optional Inventories, Phase type Vacation, Working Breakdown and Repair
38	IMC20 23_85	Vikram,S.T	A study on strong chromatic index of graphs under duplication of graph elements
39	IMC20 23_130	Varshini R	DEVELOPMENT OF OPTIMAL MACHINE LEARNING TECHNIQUE FOR HUMAN RESOURCE MANAGEMENT IN PERFORMANCE PREDICTION PROCESS

			Day 1- 23-11-2023 KRC Seminar Hall (4.30 PM – 5.30 PM)
40	IMC2023_129	ARULMOZHI N	Investigation on inventory replenishment policy for a queueing system with catastrophic failure, negative arrival and discouragement customers
41	IMC2023_16	Gayathri	Prime Cordial Labeling of Special Graphs
42	IMC2023_117	G. Harshini	Structural Equation Modelling and Item Response Models in the Analysis of Social Environment towards the Stress Management of Women Police (Chennai-City) Tamil Nadu, India
43	IMC2023_118	S. Persia Angelin	Expressive Writing in Dealing with Math Anxiety: A Statistical Study among Students of Arts Stream
44	IMC2023_135	P. Rajadurai	Analysis of M/G/1 Retrial Queue with Recurrent Customers under Working Vacation
			Day 2- 24-11-2023 KRC Seminar Hall (2.30 PM – 3.30 PM)
45	IMC2023_134	Manohara G	An innovative operational matrix approach for the numerical solution of fractional order diabetes mellitus model using Genocchi wavelets
46	IMC2023_150	S. Soundharya	A Spectral Runge-Kutta methods for Hyperbolic Stochastic Partial Differential Equations
47	IMC2023_142	Preetham M. P.	Application of Fibonacci wavelet in the analysis of unsteady MHD Williamson nanofluid flow over a permeable stretching sheet via porous medium
48	IMC2023_148	M. Fathima	Numerical Solution of Lane-Emden Equation using fractional order Wavelets
49	IMC2023_149	S. Sneha	Variable sum exdeg index of certain unicyclic graphs
			Day 3- 25-11-2023 KRC Seminar Hall (3.30 PM – 4.00 PM)
50	IMC2023_17	R. Gokilam, S. Saravanan,	Onset of Convection in Nanofluids Saturated Local Thermal Nonequilibrium and Heterogeneous Porous Medium
51	IMC2023_66	R Thanamani ,S Saravanan	Convective instability in a thermal nonequilibrium porous medium with different nanofluids