Research Paper published by Faculty

S.No	Name of the College	Name of Faculty Member	Subject	Title of Paper	Name of Journal	Year of Publication
1	Govt. College Nand (Present College)	Sanjay Jain	Mathematics	Modeling of Cubic Objective Function Programming Problem Via AHA Simplex Algorithm	Heritage Research Journal	2024
2	Govt. College Nand	Sanjay Jain	Mathematics	Bio-Inspired Optimization Technique for Feature Selection to Enhance Accuracy of BC Detection	Proceeding of the IEEE	2023
3	Govt. College Nand	Sanjay Jain	Mathematics	Modeling of Fourier–Motzkin Elimination Technique for Separable Programming Problem	Applications of Operational Research in Business and Industries	2023
4	Govt. College Nand	Sanjay Jain	Mathematics	Modeling of Modified Fourier elimination technique for 2xN Games	Journal of Xidian University	2023
5	Govt. College Nand	Sanjay Jain	Mathematics	Modeling of Fourier Motzkin elimination technique for 2xN games	Goya Journal	2023
6	Govt. College Nand	Sanjay Jain	Mathematics	Solution of linear integer fractional programming problem by extended Fourier Motzkin elimination technique	Research Journal of Science & Technology	2023
7	Govt. College Nand	Sanjay Jain	Mathematics	Modeling of Gauss elimination technique for 2xn games	Compliance Engineering Journal	2023
8	Govt. College Nand	Sanjay Jain	Mathematics	Solution of linear integer fractional programming problem by extended KKL simplex method	Research Journal of Science & Technology	2022
9	Govt. College Nand	Sanjay Jain	Mathematics	SOLUTION OF LINEAR FRACTIONAL PROGRAMMING PROBLEM BY FOURIER-MOTZKIN ELIMINATION TECHNIQUE,	TURKISH JOURNAL OF COMPUTER AND MATHEMATICS	2021
10	Govt. College Nand	Sanjay Jain	Mathematics	KKL SIMPLEX ALGORITHM FOR MULTI-OBJECTIVE LINEAR PROGRAMMING PROBLEM	Journal of Xidian University	2021
11	Govt. College Nand	Sanjay Jain	Mathematics	NEW (S+AS)EIR MATHEMATICAL MODEL FOR COVID EPIDEMIC	Research Journal of Science & Technology	2021
12	Govt. College Nand	Sanjay Jain	Mathematics	ELIMINATION TECHNIQUE AND AHA SIMPLEX ALGORITHM FOR MULTI-OBJECTIVE LINEAR PROGRAMMING PROBLEMS	ASIAN JOURNAL OF PROBABILITY AND STATISTICS	2020
13	Govt. College Nand	Sanjay Jain	Mathematics	SOLUTION OF MULTI-OBJECTIVE LINEAR PROGRAMMING PROBLEM USING MODIFIED FOURIER ELIMINATION TECHNIQUE & AHA	ARYABHATTA JOURNAL OF MATHEMATICS AND	2020
14	Govt. College Nand	Sanjay Jain	Mathematics	MODELING OF QUADRATIC PROGRAMMING PROBLEM VIA AHA SIMPLEX ALGORITHM	COMPLIANCE ENGINEERING JOURNAL	2020

15	Govt. College Nand	Sanjay Jain	Mathematics	A COMMENT ON S NAHAR & MD. ABDUL ALIM (2017): A NEW STATISTICAL AVERAGING METHOD TO SOLVE MULTI-OBJECTIVE LINEAR	INTERNATIONAL JOURNAL OF SCIENCE AND RESEARCH	2020
16	Govt. College Nand	Sanjay Jain	Mathematics	Modelling of nature inspired modified Fourier elimination technique for quadratic optimization	International Journal of Swarm Intelligence	2020
17	Govt. College Nand	Sanjay Jain	Mathematics	A heuristic approach to deduct the redundant constraints in FPM	VIGYAN PRAKASH	2020
18	Govt. College Nand	Sanjay Jain	Mathematics	Goal Optimization for Electricity Management	International Journal of Engineering and Technical Research	2019
19	Govt. College Nand	Sanjay Jain	Mathematics	Modeling of Gauss elimination technique for quadratic optimization	Advances in Modelling and Analysis-A	2019
20	Govt. College Nand	Sanjay Jain	Mathematics	C-Approach of abs algorithm to solve linear fractional programming problem by converting it into single linear programming problem	Aryabhatta Journal of Mathematics and Informatics	2019
21	Govt. College Nand	Sanjay Jain	Mathematics	with price and time-dependent seasonal demand	International Journal of Procurement Management	2019
22	Govt. College Nand	Sanjay Jain	Mathematics	Use of goal programming approach in banking sector,	International J of Engineering & Technology	2018
23	Govt. College Nand	Sanjay Jain	Mathematics	Goal programming optimization model for a diabetic person	J. of Emerging Technologies and Innovative Research	2018
24	Govt. College Nand	Sanjay Jain	Mathematics	Modeling of Modified Fourier Technique for Solving Separable Non Linear Programming Problem,	Advanced Modeling and Optimization	2018
25	Govt. College Nand	Sanjay Jain	Mathematics	Role of Multiple Integral in Transform Calculus	Journal of Computer and Mathematical Research	2017
26	Govt. College Nand	Sanjay Jain	Mathematics	Use of Goal Programming Approach for Allocation of Teachers for Paper Correction	Journal of Science and Technology	2017
27	Govt. College Nand	Sanjay Jain	Mathematics	Simultaneous procurement and pricing policy for inventory model with price and time dependent seasonal demand,	Aryabhatta Journal of Mathematics and Informatics	2017
28	Govt. College Nand	Sanjay Jain	Mathematics	Inverse optimization and its applications,	Vigyan Garima Sindhu	2017
29	Govt. College Nand	Sanjay Jain	Mathematics	Mathematical approach for N-Queens problem with isomorphism,	Advanced Modeling and Optimization	2017
30	Govt. College Nand	Sanjay Jain	Mathematics	Ranking method for fuzzy linear programming using octagonal fuzzy numbers	J of Indian Academy of Mathematics	2017
31	Govt. College Nand	Sanjay Jain	Mathematics	Goal programming problems and its application in various fields,	International Journal of Research	2016
32	Govt. College Nand	Sanjay Jain	Mathematics	Solution of an extended fractional programming problem with non-differentiable function,	Research J of Mathematics and Statistical Science	2016
33	Govt. College Nand	Sanjay Jain	Mathematics	A new algorithm for solving fuzzy assignment problem using branch and bound method	International Journal of Mathematical Archive	2016
34	Govt. College Nand	Sanjay Jain	Mathematics	Alternative algorithm for fuzzy quadratic fractional programming problem,	Aryabhatta Journal of Mathematics and Informatics	2016
35	Govt. College Nand	Sanjay Jain	Mathematics	A Fuzzy Approach for Solving Mixed Intuitionistic Fuzzy Travelling Salesman Problem,	International Journal of Mathematical Archive	2015
36	Govt. College Nand	Sanjay Jain	Mathematics	Computer Code Algorithms and Encryption Laws for Security,	Journal of Computer and Mathematical Sciences	2015
37	Govt. College Nand	Sanjay Jain	Mathematics	Fuzzy approach for Solving Transshipment Problem,	J of Indian Academy of Mathematics	2015

38	Govt. College Nand	Sanjay Jain	Mathematics	Super collapse puzzle-Play and Creating space,	Aryabhatta Journal of Mathematics and Informatics	2014
39	Govt. College Nand	Sanjay Jain	Mathematics	Mathematical Modelling for Dice Finder Game Problem	International Journal of Mathematical Modelling &	2014
40	Govt. College Nand	Sanjay Jain	Mathematics	Solving a Fuzzy Transportation Problem Using Ranking Approach,	International Journal of Research in Mathematics & Computation	2014
41	Govt. College Nand	Sanjay Jain	Mathematics	Mathematical and C Programming Approach for Sudoku Game,	Journal of Game Theory	2014
42	Govt. College Nand	Sanjay Jain	Mathematics	Statistical study of video game effects on children's	International Journal of New Trends in Arts,	2014
43	Govt. College Nand	Sanjay Jain	Mathematics	Modeling of Gauss Elimination Technique for Multiobjective Fractional Programming Problem,	South Asian Journal of Mathematics	2014
44	Govt. College Nand	Sanjay Jain	Mathematics	On Inverse Quadratic Programming Problems	AMSE Journal Ser-A	2013
45	Govt. College Nand	Sanjay Jain	Mathematics	Modeling of Fourier Elimination Technique for Multiobjective Fractional Programming Problem,	International Journal of Development Res. & Quantitative Techniques	2013
46	Govt. College Nand	Sanjay Jain	Mathematics	A type of Inverse Linear Fractional Programming Problem,	Maxican Journal of Operations Research	2013
47	Govt. College Nand	Sanjay Jain	Mathematics	An Inverse Transportation Problem with the Linear Fractional Objective Function,	Advanced Modeling and Optimization	2013
48	Govt. College Nand	Sanjay Jain	Mathematics	On Inverse Linear Fractional Programming Problem,	European Journal of Mathematical Sciences	2013
49	Govt. College Nand	Sanjay Jain	Mathematics	Inverse Optimization for Quadratic Programming Problems,	International Journal of Operations Research	2013
50	Govt. College Nand	Sanjay Jain	Mathematics	Inverse Optimization for Fractional Programming Problems,	International Journal of Physical & Mathematical Sciences	2013
51	Govt. College Nand	Sanjay Jain	Mathematics	A comment on Chadha (1999): A linear fractional program with homogeneous constraints,	Opsearch	2013
52	Govt. College Nand	Sanjay Jain	Mathematics	Mathematical Approach for Car Race Game Problem	Journal of Computer and Mathematical Sciences	2013
53	Govt. College Nand	Sanjay Jain	Mathematics	Inverse Capacitated Transportation Problem,	IOSR Journal of Mathematics	2013
54	Govt. College Nand	Sanjay Jain	Mathematics	On an Inverse Transportation Problem,	Aryabhatta Journal of Mathematics and Informatics	2013
55	Govt. College Nand	Sanjay Jain	Mathematics	C-Approach of ABS Algorithm for Fractional Programming Problem,	Journal of Computer and Mathematical Sciences	2013
56	Govt. College Nand	Sanjay Jain	Mathematics	An Inverse Optimization Model for linear fractional programming,	Research Journal of Recent Sciences	2013
57	Govt. College Nand	Sanjay Jain	Mathematics	Modified Gauss elimination technique for separable non-linear programming problem	International Journal of Industrial Mathematics	2012
58	Govt. College Nand	Sanjay Jain	Mathematics	Inverse linear fractional programming: A New Approach,	Journal of Computer and Mathematical Sciences	2012
59	Govt. College Nand	Sanjay Jain	Mathematics	Modeling of Gauss elimination technique for multi-objective linear programming problem	Journal of Novel Applied Sciences	2012
60	Govt. College Nand	Sanjay Jain	Mathematics	Fuzzy Set Approach to Solve Multiobjective Linear plus Fractional Programming Problem	International Journal of Operations Research	2011
61	Govt. College Nand	Sanjay Jain	Mathematics	Solution of fuzzy linear fractional programming problem,	Opsearch	2011
62	Govt. College Nand	Sanjay Jain	Mathematics	Modeling of fuzzy multiobjective decision making for selecting the treatment of heart disease, 1-8, 2011	Ganita Sandesh	3011

63	Govt. College Nand	Sanjay Jain	Mathematics	Fuzzy programming. approach to solve multi objective linear fractional program with homogeneous constraints,	Proc Nat Acad Sci India Sect A	2011
64	Govt. College Nand	Sanjay Jain	Mathematics	Close interval approximation of piecewise quadratic fuzzy numbers for fuzzy fractional program,	Iranian Journal of Operations Research	2010
65	Govt. College Nand	Sanjay Jain	Mathematics	An EOQ inventory model for items with ramp type demand, 3-parameter Weibull distribution deterioration and starting with shortage	Yugoslav Journal of Operations Research,	2010
66	Govt. College Nand	Sanjay Jain	Mathematics	An algorithm for fractional trans-shipment problem,	International Journal of Mathematical Modelling Simulation & Applications	2010
67	Govt. College Nand	Sanjay Jain	Mathematics	Linear plus fractional MOPP with homogenous constraints using fuzzy	Iranian Journal of Operations Research	2010
68	Govt. College Nand	Sanjay Jain	Mathematics	An efficient Fractional Programming approach to linear system model reduction problem	Journal of Computer and Mathematical Sciences	2010
69	Govt. College Nand	Sanjay Jain	Mathematics	Statistical effect of toxicity of CaCl on glycogen content in Lebistes Reticulatus,	J of Ultra Scientist of Physical Sciences	2010
70	Govt. College Nand	Sanjay Jain	Mathematics	A deteriorating inventor model for reducing excessive stock by returns and special sales allowing shortages,	IAPQR Transactions	2010
71	Govt. College Nand	Sanjay Jain	Mathematics	Modeling of Fourier elimination technique for multi-objective linear programming	AMSE Journal Ser-A	2009
72	Govt. College Nand	Sanjay Jain	Mathematics	An Optimal Replenishment Policy for Deteriorating items with Ramp type Demand under Permissible Delay in Payments	Pak J Stat Oper Res	2009
73	Govt. College Nand	Sanjay Jain	Mathematics	Multi-objective programming problem with fuzzy relational equations,	International Journal of Operations Research	2009
74	Govt. College Nand	Sanjay Jain	Mathematics	An EOQ model for deteriorating items with allowable shortage and permissible delay in payment under two stage interest payable criterions,	Australian Society of Operations Research Bulletin	2009
75	Govt. College Nand	Sanjay Jain	Mathematics	Multi-objective quadratic program with fuzzy programming approach,	AMSE Journal Ser-A	2009
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77	Govt. College Nand	Sanjay Jain	Mathematics	A dual matrix approach for unbalance transportation problem,	International Transaction of Mathematical Sciences	2009
78	Govt. College Nand	Sanjay Jain	Mathematics	Modified parametric approach for linear plus fractional programming problem,	Journal of Computer and Mathematical Sciences	2009
79	Govt. College Nand	Sanjay Jain	Mathematics	Algorithm for Multi-Objective Linear plus Fractional Programming problem with homogenous constraints,	Aryabhatta Journal of Mathematics and Informatics	2009
80	Govt. College Nand	Sanjay Jain	Mathematics	Solution of multi-objective fractional program using fuzzy approach,	Proc Nat Acad Sci India Sect A	2009
81	Govt. College Nand	Sanjay Jain	Mathematics	A comment on Sahu (2007): An inventory model with on hand inventory dependent demand without shortage,	J of Indian Academy of Mathematics	2009
82	Govt. College Nand	Sanjay Jain	Mathematics	Solution of a multi-objective linear plus linear fractional programming problem containing non-differentiable term,	International Journal of Mathematical Sciences & Engineering Application	2008
83	Govt. College Nand	Sanjay Jain	Mathematics	Extended Gauss elimination technique for integer solution of Fractional Programming Problem,	Journal of Indian Mathematical Society	2008
84	Govt. College Nand	Sanjay Jain	Mathematics	Extended Modified Fourier elimination technique for integer solution of FPP,	Varahmihir Journal of Mathematical Sciences	2008

85	Govt. College Nand	Sanjay Jain	Mathematics	An inventory model with power demand pattern, Weibull distribution deterioration and shortages,	J of Indian Academy of Mathematics	2008
86	Govt. College Nand	Sanjay Jain	Mathematics	Gauss elimination technique for fractional programming problem,	Journal of Indian Society of Statistics and Operations Research	2008
87	Govt. College Nand	Sanjay Jain	Mathematics	An inventory model with inventory level-dependent demand rate, deterioration, partial backlogging and decrease in demand	International Journal of Operations Research	2008
88	Govt. College Nand	Sanjay Jain	Mathematics	Alternative approach to solve linear plus linear fractional programming problems,	International Journal of Mathematical Sciences & Engineering Application	2008
89	Govt. College Nand	Sanjay Jain	Mathematics	An inventory model for Weibull distribution deterioration with allowable shortage under cash discountissible delay in payments,	Australian Society of Operations Research Bulletin	2008
90	Govt. College Nand	Sanjay Jain	Mathematics	Sum of linear and fractional multi-objective programming problem under fuzzy rules constraints,	Australian Journal of Basic and Applied Sciences	2008
91	Govt. College Nand	Sanjay Jain	Mathematics	An EOQ inventory model for items with ramp type demand, finite rate of production and variable rate of deterioration,	Journal of Rajasthan Academy of Physical Sciences	2008
92	Govt. College Nand	Sanjay Jain	Mathematics	Solution of fuzzy bilevel linear programming problem,	Ganita Sandesh	2008
93	Govt. College Nand	Sanjay Jain	Mathematics	An EOQ inventory model with ramp demand, Weibull distribution deterioration and starting with shortage,	Opsearch	2007
94	Govt. College Nand	Sanjay Jain	Mathematics	An inventory model with inventory-level-dependent demand rate, shortage and decrease in demand,	Journal of Combinatorics Information & System Sciences	2007
95	Govt. College Nand	Sanjay Jain	Mathematics	Solution of a Multi-objective Fractional Programming Problem,	J of Indian Academy of Mathematics	2006
96	Govt. College Nand	Sanjay Jain	Mathematics	EOQ for varying Marketing Policies, under a replacement policy for Damaged Items,	The Mathematics Student	2006
97	Govt. College Nand	Sanjay Jain	Mathematics	A finite horizon economic ordering policy for item with deterioration and shortage,	J of Ultra Scientist of Physical Sciences	2006
98	Govt. College Nand	Sanjay Jain	Mathematics	On the Posynomial Linear plus Fractional Programming Problem,	The Mathematics Student	2006
99	Govt. College Nand	Sanjay Jain	Mathematics	Linear plus linear fractional programming with non-differentiable function,	Journal of Combinatorics Information & System Sciences	2005
100	Govt. College Nand	Sanjay Jain	Mathematics	Programming with fractional type objective functions,	Applied Science Periodical	2004
101	Govt. College Nand	Sanjay Jain	Mathematics	Solution of a Generalized Fractional Programming Problem,	J of Indian Academy of Mathematics	2004
102	Govt. College Nand	Sanjay Jain	Mathematics	Fourier elimination technique for Fractional Programming Problem,	The Aligarh Bulletin of Mathematics	2004
103	Govt. College Nand	Sanjay Jain	Mathematics	Algorithm for Fractional Programming Problem with homogeneous constraints,	Ganita Sandesh	2003
104	Govt. College Nand	Sanjay Jain	Mathematics	Useful model in Fractional Programming,	Applied Science Periodical	2003
105	Govt. College Nand	Sanjay Jain	Mathematics	A long queue model with reneging, balking and feedback Phenomenon,	Ganita Sandesh	2002
106	Govt. College Nand	Sanjay Jain	Mathematics	International Normalized Ratio,	Indian J of Cardiology	2001
107	Govt. College Nand	Sanjay Jain	Mathematics	A general model of long queue with reneging and balking phenomenon,	Ganita Sandesh	2000
108	Govt. College Nand	Sanjay Jain	Mathematics	Most general model for queuing network,	J of Indian Academy of Mathematics	2000
109	Govt. College Nand	Sanjay Jain	Mathematics	A total delay cost policy for priority tandem queue,	Ganita Sandesh	1999

110	Govt. College Nand	Sanjay Jain	Mathematics	A useful design for bulk queues,	Applied Science Periodical	1999
111	Govt. College Nand	Sanjay Jain	Mathematics	A useful model for hospital administration,	Applied Science Periodical	1999