

S.No.	Title of paper	Name of the authors (Student's name in bold letters)	Name of journal/Conference proceedings	Year
1.	Real time performance of solar photovoltaic microgrid in India focusing on self-consumption in institutional building	K. Pritam Satsangi , D. Bhagwan Das, G.S. Sailesh Babu, A.K. Saxena	Energy for Sustainable Development, Elsevier, 2019	2019
2.	Interval Type-2 Mutual Subsethood Fuzzy Neural Inference System (IT2MSFuNIS)	V Sumati C Patvardhan	IEEE Transactions on Fuzzy Systems, December, 2016.	2018
3.	Effective Color image watermarking scheme using YCbCr color space and QR code	C. Patvardhan, Pragyesh Kumar , C. Vasanth Lakshmi	Multimedia Tools and Applications, PP 1-23, June, Springer.	2017
4.	A novel Fuzzy-PSO term weighting Automatic Query Expansion approach using combined semantic filtering	Yogesh Gupta and Ashish Saini	Knowledge-Based Systems, Elsevier	2017
5.	Parallel Improved Quantum Inspired Evolutionary Algorithms to solve large sized Quadratic Knapsack Problems	C Patvardhan Sulabh Bansal Anand Srivastav	International Journal on Swarm and Evolutionary Computation, February, 2016, Elsevier.	2016
6.	Parallel Interval Type-2 Subsethood Neural Fuzzy Inference System	V. Sumati , C Patvardhan, Sandeep Paul, Lotika Singh	Expert Systems with Applications, Elsevier.	2016
7.	A Comparative Analysis of Fuzzy based Ranking Functions for Information Retrieval	Yogesh Gupta , Ashish Saini, A.K. Saxena	Proceedings of IEEE,	2016
8.	Towards right amount of randomness in Quantum-inspired Evolutionary Algorithms	C Patvardhan Sulabh Bansal Anand Srivastav	International Journal on Soft Computing, Springer, 2015 pp 1-20.	2015
9.	Solving the 0-1 Quadratic Knapsack Problem with a competitive Quantum Inspired Evolutionary Algorithm	C Patvardhan Sulabh Bansal Anand Srivastav	Journal of Computational and Applied Mathematics, (2015), Elsevier, Volume 285, pp. 86-99,	2015
10.	Quantum-Inspired Evolutionary Algorithm for Difficult Knapsack Problems	C Patvardhan Sulabh Bansal Anand Srivastav	International Journal on Memetic Computing, Springer Volume 7, Issue 2, 2015, pp 135-155.	2015

11.	Fast Heuristics for Large Instances of the Euclidean Bounded Diameter Minimum Spanning Tree Problem	C Patvardhan, V. Prem Prakash and AnandSrivastav	Informatica, Vol. 39, pp. 281-292, 2015	2015
12.	A new fuzzy logic based ranking function for efficient Information Retrieval system	Yogesh Gupta, Ashish Saini and A.K. Saxena	Expert Systems with Applications, Elsevier	2015
13.	Adaptive Polar Fuzzy Logic based Load Frequency Controller	D.K. Chaturvedi, Rahul Umrao, O.P. Malik	Electrical Power and Energy Systems, Elsevier	2015
14.	Intelligent Health Monitoring System for Three Phase Induction Motor Using Infrared Thermal Image	D.K. Chaturvedi, Md. Sharif Iqbal and Mayank Pratap Singh	Proceedings of IEEE, IEEE International Conference on Energy, Economic and Environment, ICEEE 2015	2015
15.	A Comparison of the effectiveness of two novel clustering-based heuristics for the p-centre problem	Mahima Yadav and V. Prem Prakash	Proceedings of ICDIS 2019 (Springer Verlag)	2019
16.	Animal-Vehicle Collision Mitigation Using Deep Learning in Driver Assistance Systems	Mudit Goswami, V. Prem Prakash and Dhruv Goswami	Proceedings of ICACDS 2019 (Springer Nature), CCIS 1045, pp. 1-12, 2019	2019
17.	A Novel Term Selection based Automatic Query Expansion Approach using PRF and Semantic Filtering	Yogesh Gupta, Ashish Saini	International Journal of Engineering and Advanced Technology (IJEAT), Vol. 8, Issue-4C, April 2019	2019
18.	Effective Heuristics for the Bi-objective Euclidean Diameter Minimum Spanning Tree Problem	V. Prem Prakash, C. Patvardhan and Anand Srivastav	Proceedings of NGCT 2017 (Springer Nature), CCIS 827, pp. 58-589, 2018	2018
19.	A Multilevel Inverter System for an Induction Motor with Open-Ended Windings	V. Srinath, Manmohan Agarwal and D.K. Chaturvedi	International Journal of Computer Applications	2017
20.	AI Methodology for Automated Selection of Playing XI in IPL Cricket	C. Deep Prakash, C. Patvardhan and C. Vasantha Lakshmi	International Journal of Engineering Technology Science and Research	2017
21.	A New Team Selection Methodology using Machine Learning and Memetic Genetic Algorithm for IPL-9	C. Deep Prakash	International Journal of Electronics, Electrical and Computational System	2016

22.	Data Analytics based Deep Mayo Predictor for IPL-9	C. Deep Prakash , C. Patvardhan and C. Vasantha Lakshmi	International Journal of Computer Applications	2016
23.	Classification of Devnagri Character Based on Left Surface Cavity	Manoj Kumar , Vasantha Laxmi and C. Patvardhan	International Journal of Recent Scientific Research	2016
24.	Identification of Modifier Component in Upper and Lower Zone of Devanagri Characters	Manoj Kumar , C. Vasantha Laxmi and C. Patvardhan	International Journal of Advance Research in Science and Engineering	2016
25.	Classification of Devanagri Characters based on Water Bodies	Manoj Kumar , C. Vasantha Laxmi and C. Patvardhan	International Journal of Computer and Mathematical Sciences	2016
26.	A New Machine Learning based Deep Performance Index for Ranking IPL T20 Cricketers	C. Deep Prakash , C. Patvardhan and Sushobhit Singh	International Journal of Computer Applications	2016
27.	Team Selection Strategy in IPL 9 using Random Forests Algorithm	C. Deep Prakash , C. Patvardhan and C. Vasantha Lakshmi	International Journal of Computer Applications	2016
28.	Automatic Synthesis of Reversible Circuits	Swanti Satsangi , C. Patvardhan and P.K. Kalra.	International Journal of Computer Applications	2016
29.	Interval Type-2 Fuzzy Neural Inference Systems: A Review	V. Sumati , C. Patvardhan	International Journal of Electronics, Electrical and Computational System	2016
30.	Enhanced Quantum Inspired Evolutionary Algorithm For Automatic Synthesis of Reversible Circuits	Swanti Satsangi , C. Patvardhan	International Journal of Engineering Technology Science and Research	2016
31.	A new Category based Deep Performance Index using Machine Learning for ranking IPL Crcketers	C. Deep Prakash , C. Patvardhan and C. Sushobhit Singh	International Journal of Electronics, Electrical and Computational System (IJEES), Vol. 5, Issue 2, Feb. 2016	2016
32.	Robust Adaptive Watermarking Based on Image Contents Using Wavelet Technique	A.K. Verma , C. Patvardhan and C. Vasantha Lakshmi	International Journal of Image, Graphics and Signal Processing	2015
33.	An Exhaustive Font and Size Invariant Classification Scheme for OCR of Devanagri Characters	Manoj Kumar , C. Vasantha Laxmi, M. Hanmandlu and C. Patvardhan	International Journal of Natural Language Computing	2015
34.	Solution of Electric Power Dispatch Problem Using Fuzzy Particle Swarm Optimization	D.K. Chaturvedi and S. Kumar	Journal of Institution of Engineers India Ser. B, January-March 2015, 96(1): 101-106	2015

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35.	An Overview of Intelligent Moving Machines (IMM)	D.K. Chaturvedi, Amit Yadav	International Journal of Computer Applications, 2015	2015
36.	Quantum Inspired GA based Neural Control of Inverted Pendulum	D.K. Chaturvedi, Tanveer Qamar , O.P. Malik	International Journal of Computer Applications, 2015	2015