

Journals	
Year	Details
2021	A. Vijayvergia, K. Kumar Selective Shallow models Strength Integration for Emotion Detection using GloVe and LSTM, Multimedia Tools and Applications (Core-B, IF- 2.600, Q1, SCI/E) 2021.
	S. Sharma, K. Kumar ASL-3DCNN: American Sign Language recognition technique using 3-D Convolutional Neural Networks, Multimedia Tools and Applications (Core-B, IF- 2.600, Q1, SCI/E) 2021. DOI: 10.1007/s11042-021-10768-5
	Shiv Naresh Shivhare, Nitin Kumar. Tumor Bagging: A Novel Framework for Brain Tumor Segmentation using Metaheuristic Optimization Algorithms. Accepted in Multimedia Tools and Applications, Springer, Apr. 2021 (SCI-E, IF - 2.313, Q1)
	Vivek Kumar Singh, Nitin Kumar. SOFT: Salient Object detection based on Feature combination using Teaching-learning-based optimization. Accepted in Signal, Image and Video Processing, Springer, Apr. 2021 (SCI-E, IF - 1.794, Q2)
	Vivek Kumar Singh, Nitin Kumar, CHELM: Convex Hull based Extreme Learning Machine for salient object detection. Multimedia Tools and Applications, Springer, Jan. 2021, (SCI-E, IF - 2.313, Q1)
	Kanchan Bisht, Maroti Deshmukh. A Novel Approach for Multilevel Multi-Secret Image Sharing Scheme. Journal of Supercomputing, Springer, 2021.
	Arjun Singh Rawat, Maroti Deshmukh. Computation and Communication Efficient Secure Group Key Exchange Protocol for Low Configuration System. International Journal of Information Technology, pp. 1-6, Springer, 2021.
2020	K. Kumar Text Query based Summarized Event Searching Interface System using Deep Learning over Cloud, Multimedia Tools and Applications (Core-B, IF- 2.600, Q1, SCI/E) Volume 80, pp. 11079–11094, 2020. DOI: 10.1007/s11042-020-10157-4
	R. Krishna, K. Kumar P-MEC: Polynomial congruence based Multimedia Encryption technique over Cloud, IEEE Consumer Electronics Magazine (IF- 3.273, Q1, SCI/E), 2020. DOI: 10.1109/MCE.2020.3003127
	S. Sharma, K. Kumar, N. Singh, Deep Eigen Space based ASL Recognition System, IETE Journal of Research (Core-C, IF- 1.030, Q3, SCI/E), 2020. DOI: 10.1080/03772063.2020.1780164
	Sachin Sharma, Kamal Kumar and Sandip Kumar Goyal, An Approach for Implementation of Cost Effective Automated Data Warehouse System, in International Journal of Computer Information Systems and Industrial Management Applications, Volume 12 (2020) pp. 033-045 {SCOPUS}
	Neha Goyal, Nitin Kumar, Kapil Gupta, On solving leaf classification using linear regression, Multimedia Tools and Applications, Springer, Sep. 2020, DOI : https://doi.org/10.1007/s11042-020-09899-y (SCI-E, IF - 2.313, Q1)
	Vivek Kumar Singh, Nitin Kumar, Navjot Singh. A hybrid approach using color spatial variance and novel object position prior for salient object detection. Multimedia Tools and Applications, Springer, Aug. 2020, DOI : 10.1007/s11042-020-09467-4 (SCI-E, IF - 2.313, Q1)
	Anita, Anupam Yadav, Nitin Kumar, Artificial Electric Field Algorithm for Engineering Optimization Problems, Expert Systems with Applications, Elsevier, Feb. 2020, ISSN No: 0957-4174, DOI:

	<p>https://doi.org/10.1016/j.eswa.2020.113308, (SCI-E, IF - 5.452, Q1)</p> <p>Ayushi Agarwal, Maroti Deshmukh, Maheep Singh. Object Detection Framework to Generate Secret Shares, Multimedia Tools and Applications, 2020, pp. 1-21, Springer, DOI: 10.1007/s11042-020-09169-x. (SCI-E)</p> <p>P. Kumar and A. Sharma, "Segmentation-free writer identification based on convolutional neural network," Computers & Electrical Engineering, vol. 85, pp. 1–15, 2020. (Impact Factor: 2.663)</p> <p>Ayushi Agarwal, Maroti Deshmukh. 3-D plane based extended Shamir's secret sharing, International Journal of Information Technology, pp. 1-6, Springer, 2020.</p> <p>Arjun Singh Rawat, Maroti Deshmukh. Tree and Elliptic Curve based Efficient and Secure Group Key Agreement Protocol, Journal of Information Security and Applications, Vol. 55, pp. 1-29, Elsevier, 2020</p> <p>Ayushi Agarwal, Maroti Deshmukh, Maheep Singh. Object Detection Framework to Generate Secret Shares, Multimedia Tools and Applications, Vol. 79, pp. 24685-24706, Springer, 2020.</p>
2019	<p>Surendra Singh, Suvadip Batbyal and Sachin Tripathi, "Security aware dynamic scheduling algorithm (SADSA) for real-time applications on grid", Cluster Computing, Springer (SCI, IF - 3.458), July, 2019</p> <p>K. Kumar EVS-DK: Event video skimming using deep keyframe, Journal of Visual Communication and Image Representation (IF- 3.130, Q1, SCI/E) Volume 58, pp. 345-352, 2019. DOI: 10.1016/j.jvcir.2018.12.009.</p> <p>Prem kumar Chithaluru, Rajeev Tiwari and Kamal Kumar, Performance Analysis of Energy Efficient Opportunistic Routing Protocols in Wireless Sensor Network, International Journal of Sensors, Wireless Communications and Control (2019) 9: 1. https://doi.org/10.2174/2210327909666191026092311{SCOPUS}</p> <p>Kamalpreet Singh, Amit Aggarwal, Kamal Kumar, Mobility Management in Constrained Wireless Nodes: A Review, in International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8 Issue-6C, April 2019. {SCOPUS}</p> <p>Vivek Kumar Singh, Nitin Kumar, Suresh Madhavan. Saliency Boosting: a novel framework to refine salient object detection. Artificial Intelligence Review, Springer, Nov. 2019, DOI : 10.1007/s10462-019-09777-6 (SCI-E, IF - 5.747, Q1)</p> <p>Manisha, Nitin Kumar. Cancelable Biometrics: A Comprehensive Survey. Artificial Intelligence Review, Springer, Oct. 2019, DOI : 10.1007/s10462-019-09767-8 (SCI-E, IF - 5.747, Q1)</p> <p>Nitin Kumar, Manisha. RP-LPP : A Random Permutation based Locality Preserving Projection for Cancelable Biometric Recognition. Multimedia Tools and Applications, Springer, Sep. 2019, (SCI-E, IF - 2.313, Q1)</p> <p>Vivek Kumar Singh, Nitin Kumar. Saliency Bagging: A Novel framework for Robust Salient Object Detection. The Visual Computer, Springer, Sep. 2019, DOI: 10.1007/s00371-019-01750-2 (SCI-E, IF - 1.456, Q2)</p> <p>Shiv Naresh Shivhare, Nitin Kumar, Navjot Singh. A Hybrid of Active Contour Model and Convex Hull for Automated Brain Tumor Segmentation in Multimodal MRI. Multimedia Tools and Applications, Springer, Aug. 2019, DOI: 10.1007/s11042-019-08048-4 (SCI-E, IF - 2.313, Q1)</p> <p>Suresh Madhavan, Nitin Kumar, Incremental Methods in Face Recognition: A Survey, Artificial Intelligence Review, Springer, Aug. 2019, DOI: 10.1007/s10462-019-09734-3 (SCI - IF 5.747, Q1)</p>

	Neha Goyal, Kapil Gupta, Nitin Kumar, Multiclass Twin Support Vector Machine for Plant Species identification, Multimedia Tools and Applications, Springer, June 2019, DOI : https://doi.org/10.1007/s11042-019-7588-2 (SCI-E, IF - 2.313, Q1)
	Nitin Kumar, Vaani Garg, Single Sample Face Recognition in the Last Decade: A Survey. International Journal of Pattern Recognition and Artificial Intelligence, World Scientific, Apr. 2019, DOI: 10.1142/S0218001419560093, (SCI-E, IF - 1.375, Q3)
	Maheep Singh, M. C. Govil, E. S. Pilli, S. K. Vipparthi. SOD-CED: Salient object detection for noisy images using convolution encoder-decoder, IET Computer Vision, 2019, 13(6), pp.578-587. (SCI)
	P. Kumar and A. Sharma, "DCWI: Distribution descriptive curve and cellular automata based writer identification," Expert Systems with Applications, vol. 128, pp. 187–200, 2019. (Impact Factor: 5.452)
	Mayank Gupta, Manu Gupta, Maroti Deshmukh. Single Secret Image Sharing Scheme using Neural Cryptography, Multimedia Tools and Applications, Vol. 79, pp. 12183-12204, Springer, 2019.
	Rajeev Tiwari, Kamal Kumar, Prem Kumar, ARIOR: Adaptive Ranking based Improved Opportunistic Routing in Wireless Sensor Networks, in Wireless Personal Communication, Springer. Accepted (SCI, SCOPUS)
	Kamal Kumar et al., Opportunistic Two VM Placements in Distributed Cloud Environment, in International Journal of Grid and High Performance Computing, IGI Global Publishers, US, Vol. 12, Issue 4, Article 2.{SCOPUS, ESCI}
	Rajeev Tiwari, Kamal Kumar, Prem Kumar, AREOR-Adaptive Ranking based Energy efficient Opportunistic Routing Scheme in Wireless Sensor Network, in Computer Networks, Elsevier, Vol. 162. {SCI}
	Sachin Sharma, Sandip Kumar Goyal, Kamal Kumar and Avinash Sharma, Exploring Business Potential in Retail Segment Using Big Data Analytics, in International Journal on Future Revolution in Computer Science & Communication Engineering ISSN: 2454-4248 Volume: 4 Issue: 3{UGC Journal}
	Anuj Kumar, H. S. Bhadauria, Nitin Kumar.Segmentation of Periapical Dental X-Ray Images by applying Morphological Operations. International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), 5(2), 371-375.
	Nitin Kumar, Ajay Jaiswal Effect of Varying Training Images on Performance of Face Recognition: A Study. International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), 5(2), 236-239.
	Nitin Kumar, Enhanced Two Dimensional Linear Discriminant Analysis for Small Sample Size Problem in Face Recognition, Accepted for Publication in International Journal of Information Processing.
2018	Surendra Singh, Sachin Tripathi, "SLOPE: Secure and Load Optimized Packet scheduling model in a grid Environment", Journal of System Architecture, Elsevier (SCI, IF - 3.777), Sep. 2018
	Surendra Singh , Sachin Tripathi, Nitin Kumar, "An enhanced security-aware dynamic packet scheduling scheme for wireless networks using

	intelligent time slice-based krill herd algorithm" Journal of Electromagnetic Wave and Applications, Taylor & Francis (SCI-Expanded, IF - 1.351), July 2018.
	K. Kumar, D. Shrimankar, ESUMM: Event SUMMARization on scale-free network, IETE Technical Review (IF- 1.845, Q2, SCI/E) Volume 36, Issue 3, pp. 265-274, 2018. DOI 10.1080/02564602.2018.1454347
	K. Kumar, D. Shrimankar, Deep Event Learning boost-up Approach: DELTA, Multimedia Tools and Applications (Core-B, IF- 2.600, Q1, SCI/E), Volume 77, Issue 20, pp 26635-26655, 2018. DOI: 10.1007/s11042-018-5882-z
	Maheep Singh, M. C. Govil, E. S. Pilli. CHACT: Convex hull enabled active contour technique for salient object detection, 2018, IEEE Access, 13, pp.22441-22451. (SCI-E)
	Tejas Duseja, Maroti Deshmukh. Image Compression and Encryption using Chinese Remainder Theorem, Multimedia Tools and Applications, Vol. 78(12), pp. 16727-16753, Springer, 2018
	Maroti Deshmukh, Neeta Nain, Mushtaq Ahmed. Secret Sharing Scheme based on Binary Trees and Boolean Operation. Knowledge and Information Systems, Vol. 60(3), pp.1-20, Springer, 2018.
2017	Nitin Kumar, Surendra Singh, Abhimanyu Kumar, Random Permutation Principal Component Analysis for Cancelable Biometric Recognition, Applied Intelligence, Springer (SCI, IF - 3.325), Dec. 2017
	K. Kumar, D. Shrimankar, F-DES: Fast and Deep Event Summarization. IEEE Transactions on Multimedia (Core-A*, IF- 7.120, Q1, SCI/E). Volume 20, Issue 2, pp. 323-334, 2017. DOI: 10.1109/TMM.2017.2741423
	K. Kumar, D. Shrimankar, N. Singh, Eratosthenes Sieve based Key-frame Extraction Technique for Event Summarization in Videos, Multimedia Tools and Applications (Core-B, IF- 2.600, Q1, SCI/E) , Volume 77, Issue 6, pp. 7383-7404, 2017. DOI: 10.1007/s11042-017-4642-9
	Sachin Sharma, Sandip Kumar Goyal, Kamal Kumar, Application of ETLR in Telecom Domain, in Indian Journal of Science and Technology, 10(30). 2017.
	Nitin Kumar, Surendra Singh, Abhimanyu Kumar, Random Permutation Principal Component Analysis for Cancelable Biometric Recognition, Applied Intelligence, Springer, Dec. 2017, DOI 10.1007/s10489-017-1117-7 (SCI, IF - 3.325, Q2)
	Nitin Kumar, Thresholding in Salient Object Detection: A Survey. Multimedia Tools and Applications, Springer, Nov. 2017, DOI: 10.1007/s11042-017-5329-y, (SCI-E, IF - 2.313, Q1)
	Maroti Deshmukh, Neeta Nain, Mushtaq Ahmed. A Novel Approach for Sharing Multiple Color Images by Employing Chinese Remainder Theorem. Journal of Visual Communication and Image Representation, Vol. 49, pp. 291-302. Elsevier, 2017.
	Mohit Rajput, Maroti Deshmukh, Neeta Nain, Mushtaq Ahmed. Securing Data through Steganography and Secret Sharing Schemes: Trapping and Misleading Potential Attackers. IEEE Consumer Electronics Magazine, Vol. 7(5), pp. 40-45, 2017.
2016	Abhimanyu Kumar and Sachin Tripathi. Anonymous ID-based Group Key Agreement Protocol without Pairing. International Journal of Network Security, 18(2):263–273, 2016.
	Kumar, A., Kumar, V., & Kumar, K. (2016). A novel next hop selection

	based secure routing for wireless ad hoc sensor networks. CSI transactions on ICT, Vol. 4. No. 2-4, pp. 47-53
	Amit Kumar, Vijay Katiyar and Kamal Kumar, SECURE ROUTING PROPOSALS IN MANETS: A REVIEW, in IJFCST, Vol. 6, No. 1, pp. 21-35, 2016. (Google Scholar)
	Nitin Kumar, R. K. Agrawal and Ajay Jaiswal. Incremental and Decremental Non-parametric Discriminant Analysis for Face Recognition. Computing and Informatics, Slovak Academy of Science and Informatics, 2016, vol. 35, no. 5, pp. 1231-1248, (SCI-E, IF - 0.496, Q3)
	Nitin Kumar, R. K. Agrawal. Two-dimensional exponential discriminant analysis for small sample size in face recognition. International Journal of Artificial Intelligence and Soft Computing, 5(3), 194-208, 2016. (UGC-CARE)
	Nitin Kumar, Maheep Singh. A Two Stage Approach to Detect Salient Objects in Noisy Images. International Journal of Information Processing, 10(2), 1-9, 2016.
	Nitin Kumar, Maheep Singh. A Two Stage Approach to Detect Salient Objects in Noisy Images. International Journal of Information Processing, 10(2), 1-9, 2016. (UGC Approved)
	Mohit Rajput, Maroti Deshmukh. Secure (n, n + 1)-Multi Secret Image Sharing Scheme Using Additive Modulo, Procedia Computer Science, vol. 89, pp 677-683, Elsevier, 2016.
	Mohit Rajput, Maroti Deshmukh, A Technique to Share Multiple Secret Images. International Journal of Information Processing, Vol. 10(3), 2016.
2015	Abhimanyu Kumar and Sachin Tripathi. A Pairing Free Anonymous Certificateless Group Key Agreement Protocol for Dynamic Group. Wireless Personal Communications, 82(2):1027-1045, 2015.
	Nitin Kumar, R. K. Agrawal. Block LDA via QR-Decomposition for Face Recognition with Single Image per Person. International Journal of Knowledge-based and Intelligent Engineering Systems, vol. 19, no. 3, pp. 173-181, 2015 (Scopus, Q2)
	Ajay Jaiswal, Nitin Kumar, R. K. Agrawal. Analysis and Evaluation of Regression Based Methods for Facial Pose Classification. International Journal of Applied Pattern Recognition, 2(1), 24-45, 2015. (UGC-CARE)
2014	Anjandeeep Kaur Rai, Parveen Kumar and Pradheep Manisekaran, "High Adaptive Fault Tolerance in Real Time Cloud Computing", IOSR Journal of Engineering (IOSRJEN), ISSN (e): 2250-3021, ISSN (p): 2278-8719, Vol. 04, Issue 03 (March. 2014), V6 , pp. 24 - 27.
	Manjinder Kaur and Parveen Kumar, "Mobilemedia SPL Creation by FeatureIDE using FODA", Global Journal of Computer Science and Technology, Software & Data Engineering, Volume 14 Issue 3, Version 1.0, Year 2014, Type: Double Blind Peer Reviewed International Research Journal, Publisher: Global Journals Inc. (USA), Online ISSN: 0975 - 4172 & Print ISSN: 0975-4350.
	Ranjit Kaur, Parveen Kumar and Raminder Pal Singh, "A Journey of Digital Storage from Punch Cards to Cloud", IOSR Journal of Engineering (IOSRJEN), ISSN (e): 2250-3021, ISSN (p): 2278-8719, Vol. 04, Issue 03 (March. 2014), V4 , pp. 36-41.
	Manjinder Kaur and Parveen Kumar, "Systematic Review on Software Product Line Engineering (SPLE)", International Journal of Advanced

	Research in Computer Science and Software Engineering (IJARCSSE), Volume 4, Issue 1, January 2014, ISSN: 2277 128X, pp. 1096-1101.
	Maroti Deshmukh, M.V.N.K Prasad, Protection of IRIS Image using Secret Sharing Schemes. International Journal of Information Processing, Vol. 8(4), PP. 23-34, 2014.
	Abhimanyu Kumar and Sachin Tripathi. Ternary Tree based Group Key Agreement Protocol Over Elliptic Curve for Dynamic Group. International Journal of Computer Applications, 86(7):17–25, 2014.
	Ankita Sharma, Kamal Kumar, Performance Investigation of AODV, DSR and DSDV MANET Routing Protocols using CBR and FTP Traffic, in International Journal of Computer Application, Vol. 100, No. 6, pp. 47-52, August 2014.
	Kamal Kumar, Anil Kumar Verma, R. B. Patel, Secure Multipath Routing Scheme using Key Pre-Distribution in Wireless Sensor Networks, in International Journal of Foundation in Computer Science & Technology, Vol. 4, No. 4, pp. 49-61, 2014, Australia.
	Nitin Kumar and R. K. Agrawal. Two Stage Nonparametric Discriminant Analysis for Small Sample Size Problem in Face Recognition. International Journal of Information Processing (IJIP), 8(3), 13-22, June 2014.
	Nitin Kumar, R. K. Agrawal and Ajay Jaiswal. Incremental and Decremental Exponential Discriminant Analysis for Face Recognition. International Journal of Computer Vision and Image Processing (IJCVIP), 2(2), 40-55, 2014. (UGC-CARE)
2013	Kamal Kumar, Anil Kumar Verma, R. B. Patel, Variance Aware Secure Routing for Heterogeneous Wireless Sensor Networks, In Malaysian Journal of Computer Science, Vol. 26, No. 2, pp. 159-169, 2013 (SCI).
	Shivam Nagpal and Parveen Kumar, "A Study on Adaptive Fault Tolerance in Real Time Cloud Computing", International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 3, Issue 3, March 2013, ISSN: 2277 - 128X, pp. 246-248.
	Parveen Kumar, Jatin Sharma and Kriti saini, "A survey on AODV routing protocol for AD-HOC Network", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 2, Issue 3, March 2013 ISSN: 2278 - 1323, pp - 933-937.
	Kriti Saini, Parveen Kumar and Jatin Sharma, "A Survey on Data Aggregation Techniques for Wireless Sensor Networks", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 2, Issue 3, March 2013 ISSN: 2278 - 1323, pp - 901-903.
2012	Kamal Kumar, Poonam Sharma, Location Dependent Key management Scheme for Wireless Sensor Network, in International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 1, No. 5, pp. 59-63, October 2012.
	Ajay Jaiswal, Nitin Kumar and R. K. Agrawal. Illumination Invariant Facial Pose Classification. International Journal of Computer Applications (IJCA), 37(1), 14-19, January 2012.
	Ajay Jaiswal, Nitin Kumar and R. K. Agrawal. Local Linear Regression on Hybrid Eigenfaces for Pose Invariant Face Recognition. International Journal of Computer Vision and Image Processing (IJCVIP), 2(2), 48-58, 2012. (UGC-CARE)
	Eshan Kapur, Parveen Kumar and Sahil Gupta, "PROPOSAL OF A TWO WAY SORTING ALGORITHM AND PERFORMANCE COMPARISON WITH

	EXISTING ALGORITHMS", International Journal of Computer Science, Engineering and Applications (IJCSEA) Vol.2, No.3, pp-61-78, June 2012.
	Surmeet Kaur, Tarundeep Singh Sodhi and Parveen Kumar, "Freezing Sort", International Journal of Applied Information Systems (IJAIS) - ISSN : 2249-0868, Foundation of Computer Science FCS, New York, USA, Volume 2 - No.4, pp-18-21,, May 2012.
2011	Kamal Kumar, Sandeep Jain, An Authentication Mechanism against SQL Injection on Web Platform, In International Journal of Engineering and Information Technology (IJEIT), Vol. 3 , No. 1, , pp. 5-14, 2011.
2010	Kamal Kumar, Anil Kumar Verma, R. B. Patel., A Location Dependent Connectivity Guarantee Key Management Scheme for Heterogeneous Wireless Sensor Networks, In Special Issue on Ubiquitous and Mobile Computing, Journal of advances in Information Technology, Vol. 1, No. 3, pp. 105-115, Feb., 2010.
2007	Kamal Kumar, R.B. Patel, Resource Allocation in Grid Computing Environment: A Trust Aware Approach, in proceedings of International Journal of Technology, Knowledge and Society, Australia, Vol. 3, pp. 89-101, 2007.