

Maharaja Surajmal Institute of Technology

S No	Name of Faculty	Dept.	Paper title	Indexing	Year of publication
1	Dr. Deepti Deshwal	ECE	Deshwal, D., Sangwan, P. & Dahiya, N. Economic Analysis of Lithium Ion Battery Recycling in India. <i>Wireless Pers Commun</i> (2022). https://doi.org/10.1007/s11277-022-09512-5	SCIE	2022
2	Dr. Sakshi Rajput	ECE	Rajput, S., Bhatia, K.S. Analyzing handover performance of mobility management protocol using neural network. <i>J Ambient Intell Human Comput</i> (2021). https://doi.org/10.1007/s12652-020-02822-1	SCIE	2022
3	Dr. Sakshi Rajput	ECE	Rajput, S., Bhatia, K.S. Self organizing distributed mobility management for next generation mobility protocol. <i>J Ambient Intell Human Comput</i> (2021). https://doi.org/10.1007/s12652-020-02770-w	SCIE	2022
4	Dr. Prabhjot Kaur and	IT	Kaushik, A., Kaur, P., Choudhary, N., Priyanka (2022), "Stacking Regularization in Analogy Based Software Effort Estimation", <i>Soft Computing</i> , SCIE Indexed (IF: 3.643) ISSN: 1433-7479.	SCIE	2022
5	Dr. Prabhjot Kaur	IT	Kaur, P., Joshi, V. and Sabani T (2022), "Decentralized Internet: An Extension of BitTorrent Network", <i>GIS Science Journal</i> , Vol. 9, Issue 1, pp. 335-343, SCOPUS Indexed ISSN: 1869-9391	Scopus	2022
6	Dr. Prabhjot Kaur	IT	Kaur, P., Sahni, H.S., Attri, H., Kandpal, G. and Negi, G. (2022), "Assessment of Filtering based approaches for Movie Recommendation System", <i>GIS Science Journal</i> , Vol. 9, Issue 1, pp.	Scopus	2022
7	Ms.Minakshi Tomer	IT	M. Tomer and M. Kumar, "STV-BEATS: Skip thought vector and bi-encoder based automatic text summarizer," <i>Knowledge Based System.</i> , vol. 240, no. 108108, p. 108108, 2022.	SCI	2022
8	Dr. Poonam Bansal	CSE	Shaily Malik, Poonam Bansal, Multimodal semantic analysis with regularized semantic autoencoder, <i>Journal of Intelligent & Fuzzy Systems</i> , col. 42, 909-917, 2022	SCI-E	2022
9	Dr. Suman Mann & Me	IT	<i>Meena Siwach, Suman Mann</i> , https://www.tandfonline.com/doi/abs/10.1080/02522667.2022.2037283	ESCI	2022
10	Dr. Anupama Kaushik	IT	Kaushik, A., Singal, N. & Prasad, M., https://link.springer.com/article/10.1007/s13198-021-01519-8	ESCI, Scopus	2022
11	Ms. Sonia Goel	EEE	Goel, S., & Tushir, M. (2022). A New semi-supervised clustering for incomplete data. <i>Journal of Intelligent & Fuzzy Systems</i> , 42(2), 727-739.	SCIE	2022
12	Ms. Ashish Kumari	IT	Ashish Kumari, Manav Mittal, Vipul Jha, Abhishek Sahu, Manish Kumar, Neeti Sangwan, Navdeep Bohra "Algorithm Visualization: Modern Web-Based Visualization of Sorting and Searching	ESCI	2022
13	Dr. Sunil Gupta	EEE	S. B. Kumar, Abhishek Gandhar, Mohit Tiwari, Arvind Rehalia & Sunil Gupta (2022) Design and analysis of triangular patch antenna with enhanced bandwidth for RF energy harvesting, <i>Journal of</i>	ESCI	2022
14	Dr. Tripti Sharma	IT	Sharma, T., Mohapatra, A. K., & Tomar, G. (2022). SDBMND: Secure Density-Based Unsupervised Learning Method with Malicious Node Detection to Improve the Network Lifespan in	SCIE	2022
15	Dr. Tripti Sharma	IT	Dhaya R., Ujwal U. J., Sharma, T., Singh P., Kanthavel R., Senthamil Selvan, Daniel Krah, "Energy-Efficient Resource Allocation and Migration in Private Cloud Data Centre", <i>Wireless</i>	SCIE	2022
16	Mr. Narender Singh	App. Sci.	Singh, Narender; Bharti P.S.; 'Multi-Objective parametric optimization during micro-EDM drilling of Ti-6Al-4V using Teaching	Scopus	2022
17	Dr. Puneet Azad	ECE	Saurav Sharma, Raj Kiran, Puneet Azad , Rahul Vaish, A review of piezoelectric energy harvesting tiles: Available designs and future perspective, Energy Conversion and Management (Elsevier) , vol.	SCI	2022
18	Prof. A.K.Singh	App. Sci.	Gajendra Singh, A.K. Singh, and T. Nandi, "Relativistic atomic structure calculations and evaluation of plasma parameters in Be-like for its possible use in laboratory plasma diagnostic	SCIE	2022
19	Dr. Koyel and Dr. Rinky	CSE	Gupta, Koyel Datta, Dwivedi, Rinky and Sharma, Deepak Kumar. "Predicting and monitoring COVID-19 epidemic trends in India using sequence-to-sequence model and an adaptive SEIR model"	Scopus/ESCI	2022
20	Dr. Rinky	CSE	Chaudhary, N., Thakur, H.K. & Dwivedi, R. An ensemble model to optimize modularity in dynamic bipartite networks. <i>Int J Syst Assur Eng Manag</i> (2022).	Scopus/ESCI	2022

21	Dr. Rinky	CSE	Chaudhary N., Thakur H.K. , and Dwivedi R. A Dynamic Visual Analytical Approach for Crime - Transformation to Better Decision-Making Journal of Logistics, Informatics and Service Science Vol. 9	Scopus	2022
22	Sandeep Singh	ECE	Singh, Sandeep, Alaknanda Ashok, and Tarun Kumar Rawat. "Optimal Volterra-based nonlinear system identification using arithmetic optimization algorithm assisted with Kalman filter."	SCIE	2022
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24	Dr. Nidhi Gupta	EEE	Gupta N, Kumar N, Babu CB. JAYA optimized generation control strategy for interconnected diverse source power system with varying participation. Energy Sources, Part A: Recovery, Utilization, and	SCI	2022
25	Naresh Kumar, Adeel Hashmi	CSE	Kumar, N., Hashmi, A., Gupta, M. and Kundu, A., 2022. Automatic Diagnosis of Covid-19 Related Pneumonia from CXR and CT-Scan Images. Engineering, Technology & Applied Science Research,	ESCI	2022
26	Shaily Malik and Poonam Bansal	CSE	S. Malik and P. Bansal, "Cross Modal Information Retrieval using multilayer bidirectional LSTM Model", Advances and applications in mathematical sciences, ences	ESCI	2022
27	Shaily Malik and Poonam Bansal	CSE	S. Malik and P. Bansal, "Multimodal semantic analysis with regularized semantic autoencoder," Journal of Intelligent & Fuzzy Systems, vol. 42, pp. 909–917, 2022.	SCIE	2022
28	Dr. Geetika Dhand and Dr. Kavita Sheoran	CSE	Kavita Sheoran, Geetika Dhand, Mayank Dabas, Nishthavan Dahiya and Pratish Pushparaj , "Solving Connect 4 Using Optimized Minimax And Monte Carlo Tree Search", Advances and Applications	ESCI	2022
29	Sonika Malik	IT	Sonika Malik et al., Smart Hand Sign Recognition using Deep Convolution Neural Network	Scopus	2022
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31	Dr. Koyel Datta Gupta	CSE	K. D. Gupta, R. Nigam, D. K. Sharma and S. K. Dhurandher, "LSTM-Based Energy-Efficient Wireless Communication With Reconfigurable Intelligent Surfaces," in IEEE Transactions on Green	SCIE	2022
32	Dr. Koyel Datta Gupta	CSE	A. Riyal, G. Kumar, D. K. Sharma, K. D. Gupta and G. Srivastava, "Blockchain Tree Powered Green Communication for Efficient and Sustainable Connected Autonomous Vehicles," in IEEE Transactions	SCIE	2022
33	Dr. Koyel Datta Gupta	CSE	D.K. Sharma, S. K. Dhurandher, S. Kumaram, K. Datta Gupta, P.K. Sharma, "Mitigation of black hole attacks in 6LoWPAN RPL-based Wireless	SCIE	2022
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35	Dr. Sapna Malik	CSE	Sharma, S., Gupta, S., Gupta, D., Juneja, A., Khatter, H., Malik, S., & Bitsue, Z. K. (2022). Deep Learning Model for Automatic Classification and Prediction of Brain Tumor. Journal of Sensors,	SCIE	2022
36	Dr. Sapna Malik	CSE	Upadhyay, H., Juneja, A., Turabieh, H., Malik, S., Gupta, A., Bitsue, Z. K., & Upadhyay, C. (2022). Exploration of Crucial Factors Involved in Plants Development Using the Fuzzy AHP	SCIE	2022
37	Navdeep Bohra	CSE	N. Bohra and V. Bhatnagar, "Social Media Popularity Prediction by TTM Clustered Bayesian Factorization", Advances and Applications in Mathematical Sciences, 21(6), 3293-3302 (2022)	ESCI	2022
38	Navdeep Bohra	CSE	B. Dewan, S. Chaudhary, N. Bohra, A. Kumari, and M. Yadav, "A TCAD Approach to Analyze the Performance of Dual Gate Dielectric Modulated Vertical Tunnel Field Effect Transistor	SCIE	2022
39	Dr. Deepti Deshwal	ECE	Deshwal, Deepti, et al. "A comprehensive approach for performance evaluation of Indian language identification systems." Journal of Intelligent & Fuzzy Systems Preprint: 1-17.	SCIE	2022
40	Dr. Rinky Dwivedi, Dr.	CSE	S. Banyal, R. Dwivedi, K.D. Gupta, D.K. Sharma, F.A.Turjman and L. Mostarda, "Technology Landscape for Epidemiological Prediction and Diagnosis of COVID-19," Vol.67, No.2, pp.1679-1696,2021.	SCIE	2021
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42	Dr. Koyel Datta Gupta	CSE	A. Goel, D.K. Sharma, and K. D. Gupta, "LEOBAT: Lightweight encryption and OTP based authentication technique for securing IoT networks," Expert Systems, e12788, 2021.	SCIE	2021

43	Dr. Naresh Kumar	CSE	N. Kumar and D. Aggarwal, Learning Based Focused Web Crawler, in IETE Journal of Research, 377-2063 / 0974-780X, 22 Feb. 2021	SCIE	2021
44	Dr. Naresh Kumar	CSE	M. Gupta, N. Kumar, B. K. Singh, N. Gupta, " NSGA-III based deep learning model for biomedical search engines", Mathematical Problems in Engineering, 1563-5147, pp. 1-8, 2021.	SCIE	2021
45	Dr. Naresh Kumar	CSE	N. Kumar, M. Gupta, D. Gupta, S. Tiwari, Novel deep transfer learning model for COVID-19 patient detection using X-ray chest images, in Journal of Ambient Intelligence and Humanized	SCI	2021
46	Dr. Naresh Kumar	CSE	N. Kumar, N. N. Das, D. Gupta, K. Gupta, and J. Bindra, "Efficient automated disease diagnosis using machine learning models", in Journal of Healthcare Engineering, 2040 -2295, pp.1-13, 2021	SCIE	2021
47	Dr. Naresh Kumar	CSE	M. Kaur, V. Kumar, V. Yadav, D. Singh, N. Kumar, N. N. Das, "Meta-heuristic based deep COVID-19 screening model from chest x-ray images" Journal of Healthcare Engineering, 2040 -2295, pp.1-9,	SCIE	2021
48	Ms. Vimal Gaur	CSE	V.Gaur, R.Kumar," Analysis of Machine Learning classifiers for early detection of DDoS attacks on IoT devices" in Arabian journal for Science and Engineering	SCIE	2021
49	Navdeep Bohra	CSE	Bohra, N., Bhatnagar, V. Group level social media popularity prediction by MRGB and Adam optimization. J Comb Optim 41, 328–347 (2021). https://doi.org/10.1007/s10878-020-00684-z	SCIE	2021
50	Vikrant Shokeen	CSE	P. Singh, P. Nanglia, V. Shokeen and A. N. Mahajan, "AN EXTENDED FRAMEWORK OF LUNG CANCER CLASSIFICATION USING HYBRID ARCHITECTURE OF SURF	ESCI	2021
51	Dr Sangeeta	CSE	Sitender, S. Bawa, M.Kumar, Sangeeta "A comprehensive survey on machine translation for English, Hindi and Sanskrit languages" in J Ambient Intell Human Comput (2021).	SCI	2021
52	Dr Sangeeta	CSE	Sangeeta, Sitender, K. Sharma, M.Bala "New failure rate model for iterative software development life cycle process" in Autom Softw Eng 28, 9 (2021). https://doi.org/10.1007/s10515-021-00288-9	SCI	2021
53	Ms. Divya	CSE	D. Jatain, V. Singh and N. Dahiya, A contemplative perspective on federated machine learning: Taxonomy, threats & vulnerability assessment and challenges, Journal of King Saud University –	SCIE	2021
54	Ms. Shaily Malik	CSE	Malik, P. Bansal, "Multimodal Semantic Analysis with Regularized Semantic Autoencoder", Journal of Intelligent and Fussy Systems (JIFS), IOS Press, preprint pp.1-9 DOI: 10.3233/JIFS-189759.	SCIE	2021
55	Dr. Savita Ahlawat	CSE	J.Bindra, S.Ahlawat, M.Javed, "Modified COVID-19 Indian and international dataset for automatic prediction of risk in an individual using machine learning models using a mobile APP," International	ESCI	2021
56	Mr.Vikrant Shokeen	CSE	Singh,j.Kaur.p,Shokeen.V,Aggarwal.P,"Dwelling price prediction based on physical,economical and social indicators using regression methods," Design Engineering,PP2437-2479	Scopus	2021
57	Dr. Meena Rao	ECE	Gupta, R., Yadav, D., Rao, M. et al. Design and Testing of SMPS in Accordance with IEC 61000-4-11 Standard with Measurement Uncertainty. MAPAN (2021). https://doi.org/10.1007/s12647-021-	SCI-E	2021
58	Dr Shaifali M. Arora	ECE	Kadian, P., Arora, S.M. & Arora, N. Robust Digital Watermarking Techniques for Copyright Protection of Digital Data: A Survey. Wireless Pers Commun 118, 3225–3249 (2021).	SCI-E	2021
59	Deepshikha Yadav	ECE	Gupta, R., Yadav, D., Rao, M. et al. Design and Testing of SMPS in Accordance with IEC 61000-4-11 Standard with Measurement Uncertainty. MAPAN (2021). https://doi.org/10.1007/s12647-021-	SCI-E	2021
60	Dr. Deepti Deshwal	ECE	Deshwal, D., Sangwan, P. and Dahiya, N., https://www.sciencedirect.com/science/article/abs/pii/S2214629621001900?via%3Dihub	SSCI	2021
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62	Dr. Deepti Deshwal	ECE	Dahiya, A., Anand, R., Sindhvani, N. and Deshwal, D., https://link.springer.com/article/10.1007/s12647-021-00449-x	SCI-E	2021
63	Parul Chaudhary, Pune	ECE	Chaudhary, P., & Azad, P, https://www.tandfonline.com/doi/abs/10.1080/03772063.2018.1530074	SCI-E	2021
64	Ms. Poonam	ECE	Kadian, P., Arora, S.M. & Arora, N. Robust Digital Watermarking Techniques for Copyright Protection of Digital Data: A Survey. Wireless Pers Commun 118, 3225–3249 (2021).	SCI-E	2021

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66	Dr. Aman Dahiya	ECE	Dahiya, A., Kumar, D. A W-band Substrate Integrated Waveguide (SIW) Bandpass Filter at 95 GHz for Millimeter Wave Applications. Wireless Pers Commun (2021). https://doi.org/10.1007/s11277-021-	SCI-E	2021
67	Dr. Aman Dahiya	ECE	Rati Shukla, Gaurav Dubey, Pooja Malik, Nidhi Sindhwani, Rohit Anand, Aman Dahiya, Vikash Yadav, "Detecting Crop Health using Machine Learning Techniques in Smart Agriculture System" JSIR,	SCI-E	2021
68	Dr. Aman Dahiya	ECE	Bakshi, Garima ; Shukla, Rati ; Yadav, Vikash ; Dahiya, Aman ; Anand, Rohit ; Sindhwani, Nidhi ; Singh, Harinder, An Optimized Approach for Feature Extraction in Multi-Relational Statistical	SCI-E	2021
69	Dr. Aman Dahiya	ECE	Chaudhary, K.P., Dubey, P.K., Gahlot, A. et al. Advances in Sensors and Measurements for Metrological Applications. MAPAN 36, 211–213 (2021). https://doi.org/10.1007/s12647-021-00482-w	SCI-E	2021
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71	Dr. Richa Gupta	ECE	Gupta, R., Varshney, G. and Yaduvanshi, R.S.,	SCI-E	2021
72	Dr. Richa Gupta	ECE	Gupta, R., Gaur, A., Gupta, S, https://www.jpier.org/pier/pier.php	Scopus	2021
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74	Dr. Neeru Rathee and Dr. Sudesh Pahal	ECE	Rathee, N., Pahal, S. & Sheoran, P. Pain detection from facial expressions using domain adaptation technique. Pattern Anal Applic (2021).	SCIE	2021
75	Dr.Archana Balayn	ECE	Dankan Gowda V., Mohammad Taj, Pramod M. S., Archana Balyan, Thangadurai N. (2021). Adaptive Algorithm for High-Speed Integrated Filters. Design Engineering, 1388 - 1395.	Scopus	2021
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80	Dr. Pardeep Sangwan	ECE	Sangwan, P., Deshwal, D., & Dahiya, N. (2021). Performance of a language identification system using hybrid features and ANN learning algorithms. Applied Acoustics, 175, 107815.	SCIE	2021
81	Dr. Pardeep Sangwan	ECE	Deshwal, D., Sangwan, P., & Dahiya, N. (2021). How will COVID-19 impact renewable energy in India? Exploring challenges, lessons and emerging opportunities. Energy Research & Social Science, 77,	SSCI	2021
82	Dr. Pardeep Sangwan	ECE	Naveen Dahiya* and Pardeep Sangwan, "An Intelligent Ranking Model for Multi-Criteria Decision Making Using Fuzzy Matrix Method", Recent Advances in Computer Science and	SCOPUS	2021
83	Ms. Neetu	ECE	Sehrawat, N., Kanaujia, B.K., Agarwal, A. and Varshney, G., 2021. Analysis of an Inhomogeneous Circularly Polarized Hollow Dielectric Resonator Antenna Using Perturbation Theory.	SCIE	2021
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87	Dr.Triпти Sharma	IT	Doewes, R.I., Nair, R. and Sharma, T., "Diagnosis of COVID-19 through blood sample using ensemble genetic algorithms and machine learning classifier", World Journal of Engineering,	Scopus,ESCI	2021

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90	Dr. Suman Mann	IT	P. Manojkumar, M. Suresh, Alim Al Ayub Ahmed, Hitesh Panchal, Christopher Asir Rajan, A. Dheepanchakkravarthy, A. Geetha, B. Gunapriya, Suman Mann & Kishor Kumar Sadasivuni (2021) A	Scopus,ESCI	2021
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98	Minakshi Tomer	IT	M. Tomer and M. Kumar, "Multi-document extractive text summarization based on firefly algorithm," J. King Saud Univ. - Comput. Inf. Sci., 2021.	SCIE	2021
99	Triпти Rathee	IT	T. Rathee and P. Singh, "A systematic literature mapping on secure identity management using blockchain technology," J. King Saud Univ. - Comput. Inf. Sci., 2021	SCIE	2021
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105	Ms. Sonia Goel	EEE	Goel, S., & Tushir, M. (2021). A New semi-supervised clustering for incomplete data. Journal of Intelligent & Fuzzy Systems, (Preprint), 1-13.	SCIE	2021
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107	Dr. Yogendra Arya	EEE	M. Sharma, S. Dhundhara, Y. Arya, and S. Prakash "Frequency stabilization in deregulated energy system using coordinated operation of fuzzy controller and redox flow battery," International	SCIE	2021
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