Dr. Akhilesh Das Gupta Institute of Technology & Management

Department of Computer Science & Engineering

Details of Research Papers published by faculty in Academic Year 2019 - 2020

S.No.	Faculty Name	Paper Title	Authors	Name of Journal/Conference/Book /Book Chapter/Magazine Article	Year of publication	DOI/Link/ISBN/ISSN No.	UGC Approved/Scopus /SCI
1	Dr.Sonu Mittal	Improved Handwritten Offline Urdu Characters Recognition System using Machine Learning Techniques	MD. Jameel, Mirza Shuja and Sonu Mittal	International Journal of Advanced Science and Technology, 29(06), 4965 - 4978.	May-20	https://doi.org/10.35940/ijitee.I1055.0789S19	Scopus and UGC Care
		An Insight of Thyroid Disease Prediction using Data Mining Techniques	Yasir Iqbal, Sonu Mittal and Mirza Shuja	presented in the Elsevier 4th International conference IAET-2020 (21-22 February 2020)	Feb-20	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3554226	peer reviewed
		Thyroid Disease Prediction Using Hybrid Machine Learning Techniques: An Effective Framework	Yasir Iqbal Mir, Sonu Mittal	International Journal of Scientific & Technology Research, Volume 9, Issue 02, pp 2868-2874, February 2020 (ISSN: 2277-8616)	Feb-20	http://www.ijstr.org/final-print/feb2020/Thyroid-Disease-Prediction-Using-Hybrid-Machine-Learning-Techniques-An-Effective-Framework.pdf	Scopus and UGC Care
		Effective Prediction of Type II Diabetes Mellitus Using Data Mining Classifiers and SMOTE	Mirza Shuja, Sonu Mittal and Majid Zaman	presented in the conference International Conference on Advancements in Computing & Management (ICACM-2019), 13-14 April 2019 at Jagan Nath University, Jaipur and full paper published as chapter 17 (p.p 195-211) by Springer Nature Singapore Pte Ltd. 2020 book ISBN 978-981-15-0221-7, H. Sharma et al. (eds.), Advances in Computing and Intelligent Systems, Algorithms for Intelligent Systems (ISSN: 2524-7565)	Jan-20	https://doi.org/10.1007/978-981-15-0222-4_17	UGC Approved
2	Dr.Kamal Upreti	Experimental Evaluation of Machine Learning Classification Techniques for Blood Bank Dataset	Pankaj Saxena , Arvind K Sharma Ahmad Tasnim Siddiqui, Kamal upreti	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	https://www.jetir.org/view?paper=JETIR1905V88	UGC APPROVED
3	Dr. Pinki Nayak	Automated Order Management using Robotic Process Automation	Rajat, Kashish Verma , Aman Chahal , Vishal Kumar , Pinki Nayak , Pooja Singh	SSRN Electronic Journal, 3 RD INTERNATIONAL CONFERENCE ON INNOVATIVE COMPUTING AND COMMUNICATION (ICICC-2020)	March, 2020	http://dx.doi.org/10.2139/ssrn.3563094	Scopus
		ENHANCED VEHICLE SECURITY SYSTEM USING IOT	Pinki Nayak, Dakshali, Lalit Bhardwaj, Mohit Goyal, Shubham Kumar	International Journal of Technical Research & Science (Special Issue)	July, 2020	https://ijtrs.com/uploaded_paper/ENHANCED%20VEHICLE%20SECURITY%20SYSTEM%20USING%20IOT.pdf	Publons, Google Scholar
		AUTOMATED DATA ENTRY SYSTEM FOR WEB-PORTAL USING ROBOTIC PROCESS AUTOMATION	Rajat, Pinki Nayak	International Journal of Technical Research & Science (Special Issue)	July, 2020	https://doi.org/10.30780/specialissue-ICACCG2020/027	Publons, Google Scholar
4	Dr. Shipra Varshney	Cyber Crime Awareness & Corresponding Countermeasures	S. Varshney, D.Munjal, I.Jash, O.Bhattacharya, S.Saboo	International conference on Data Analytics & Management: An Indo-European Conference (ICDAM-2020).	2020	http://dx.doi.org/10.2139/ssrn.3601807	Springer/Scopus
		Big Data Privacy Breach Prevention Strategies	S. Varshney, D.Munjal, O.Bhattacharya, S.Saboo, N.Aggarwal,	IEEE International symposium on Sustainable Energy, Signal Processing & cyber security (IEEE-iSSSC 2020)	2020	10.1109/iSSSC50941.2020.9358878	Scopus
5	Dr. Juhee Arora	Handwritten Devanagari Compound Character Recognition Using Zernike Moment	Juhee Sachdeva, Dr. Shilpa Sharma	International Journal of Emerging Technologies and Innovative Research	May-19	https://www.jetir.org/view?paper=JETIRCU06053	UGC approved, Google Scholar
		HANDWRITTEN DEVANAGARI COMPOUND CHARACTER RECOGNITION	Juhee Sachdeva, Dr. Shilpa Sharma	International Journal of Research and Analytical Reviews	June, 2019	http://doi.one/10.1729/Journal.22371	UGC approved, Google Scholar
6	Ashu Jain	Applications of Natural Language Processing,	Ashu Jain, Dhyanendra Jain	International Journal of Engineering Research and Applications	Jun-20	ISSN: 2248-9622	UGC approved
7	Vaishali	QR Captcha	Jyoti Yadav , Yash Aggarwal , Vaishali Goel	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT)	Dec-20	https://www.ijert.org/qr-captcha	UGC Approved
8	Nishi Jain	A ROLE-BASED ACCESS CONTROL APPROACH FOR APPLICATION LEVEL SECURITY AGAINST INSIDER ATTACKS	Nishi Jain, Dr. Neetu Sharma	International journal of scientific research in engineering and management	2020	https://ijsrem.com/volume-04-issue-06-june-2020/	peer reviewed

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1	Dr.Sonu Mittal	"Energy Efficient Clustering and Routing Algorithm for WSN"	Mohit Kumar, Sonu Mittal, Md. Amir Khusru Akhtar	Recent Advances in Computer Science and Communications formerly Recent Patents on Computer Science ISSN: 2666-2566	Jan-21	https://doi.org/10.2174/2213275912666190716112254	SCOPUS and UGC Approved
		" Ancient Text Character Recognition Using Deep Learning"	S.Chadha, S. Mittal , V. Singhal	International Journal of Engineering Research and Technology. ISSN 0974-3154,	Dec-20	http://irphouse.com/ijert20/ijertv13n9_10.pdf	SCOPUS and UGC Approved
		"A NSGA-II Based Energy Efficient Routing Algorithm for Wireless Sensor Networks"	Mohit Kumar, Sonu Mittal, Md. Amir Khusru Akhtar	published in Special Issue on Advanced Networking and Communication Solutions for Wireless Mobile Networks by the Journal of Information Science & Engineering (ISSN: 1016-2364)	Nov-20	DOI: 10.6688/JISE.202007_36(4).0006 Link: https://jise.iis.sinica.edu.tw/JISESearch/pages/View/PaperView.jsf?keyId=175_2337	SCIE, SCOPUS and UGC Care
		Thyroid Disease Prediction Using Two Tier Ensemble Classifier."	Yasir Iqbal Mir, Sonu Mittal.	International Journal of Advanced Science and Technology, 29(06), 4460 - 4471	Oct-20	http://sersc.org/journals/index.php/IJAST/article/view/19320	SCOPUS and UGC Approved
2	Dr.Kamal Upreti	An efficient approach for generating IRIS codes for optimally recognizing IRIS using multi objective genetic algorithm	Kamal Upreti, A.K. Sharma, Binu Vargis, Rajwinder Singh Sidhu	Elsevier:Materials Today: 2020,(https://www.sciencedirect.com/science/article/pii/S221478532376525)	2020	https://doi.org/10.1016/j.matpr.2020.10.085.	SCOPUS
		Experimental performance analysis of load balancing of tasks using honey bee inspired algorithm for resource allocation in cloud environment	A.K. Sharma, Kamal Upreti, Binu Vargis	Elsevier :Materials Today: 2020,(https://www.sciencedirect.com/science/article/pii/S221478532370693)	2020	https://doi.org/10.1016/j.matpr.2020.09.359.	SCOPUS
3	Dr. Pinki Nayak	A Lightweight Secure Authentication Protocol for Wireless Sensor Networks	Nitin Verma, Abhinav Kaushik, Pinki Nayak	Springer Book Series on Advances in Intelligent Systems and Computing	Aug-20	https://doi.org/10.1007/978-981-15-5113-0_21	Scopus
4	Dr. Shipra Varshney	Contactless E-Voting System	Varshney S, Goel Ashish, Gupta Kumal, Adlakha Shivam,Gupta Shubham	International Journal of Innovative Science and Research Technology	2021	https://ijisrt.com/assets/upload/files/IJISRT21JUN1046.pdf	Refreed Journal
		Instagram Automation	Varshney, S; Giri, Swagatika; Bhojwani, Gaurav; Goyal Nikhil	International Journal of Advances in Engineering and Management (IJAEM)	2021	10.35629/5252-0307704708	UGC Approved
5	Dr. Prashant Vats	A Novel Approach for Detection of Intracranial Tumor Using Image Segmentation Based on Cellular Automata.	Prashant Vats	5th World Conference on Smart Trends in Systems, Security and Sustainability (WorldS4 2021)	2021	https://link.springer.com/book/9789811663086	Springer/Scopus
		A comprehensive analysis of testing efforts using the AVISAR testing tool for object oriented Softwares	Prashant Vats	6th World Conference on Smart Trends in Systems, Security and Sustainability (WorldS4 2021)	2021	https://link.springer.com/book/9789811663086	Springer/Scopus
		A Hybrid Approach for retrieving geographic information in Wireless Environment using Indexing Technique	Prashant Vats	Sixth International Conference on ICT for Sustainable Development ICT4SD 2021	2021	https://link.springer.com/book/9789811659867	Springer/Scopus
		A Multi-factorial Code Coverage Based Test Case Selection and Prioritization for Object Oriented Programs	Prashant Vats	Fifth International Conference on ICT for Sustainable Development (ICT4SD)	2020	https://doi.org/10.1007/978-981-15-8289-9_69	Springer/Scopus
		A Comprehensive Analysis for Validation of AVISAR Object-Oriented Testing Tool	Prashant Vats	4th International Conference on ICT for Intelligent Systems (ICTIS – 2020)	2020	https://doi.org/10.1007/978-981-15-7106-0_60	Springer/Scopus
		SARLA - A 3-Tier Architectural Framework Based on the ACO for the Probablistic Analysis of the Regression Test Case Selection and their Prioritization	Prashant Vats	IEEE 8 TH INTERNATIONAL CONFERENCE ON RELIABILITY, INFOCOM TECHNOLOGIES AND OPTIMIZATION (ICRITO'2020)	2020	DOI: 10.1109/ICRITO48877.2020.9198020	IEEE/Scopus
		Literature Survey for IoT-based Smart Home Automation: A Comparative Analysis	Dr. Prashant Vats	ICRITO2021	2021	DOI: 10.1109/ICRITO51393.2021.9596421	IEEE/Scopus
		A Comprehensive Literature Review of Penetration Testing & Its Applications	Prashant Vats	IEEE 8 TH INTERNATIONAL CONFERENCE ON RELIABILITY, INFOCOM TECHNOLOGIES AND OPTIMIZATION (ICRITO'2020)	2020	DOI: 10.1109/ICRITO48877.2020.9197961	IEEE/Scopus
		A Comparative Study of Various Wireless Network Optimization Techniques	Prashant Vats	Information and Communication Technology for Competitive Strategies (ICTCS 2020)	2020	DOI https://doi.org/10.1007/978-981-16-0739-4_61	Springer/Scopus
6	Dr. Juhee Arora	Handwritten offline Devanagari Compound characterRecognition using Machine Learning	Juhee Sachdeva, Dr. Sonu Mittal	Advances in Computational Intelligence, Its Concepts and Applications (ACI 2021) Published on CEUR-WS.org	2021	http://ceur-ws.org/Vol-2823/	Scopus, UGC Care,Google scholar
		Handwritten Offline Devanagari Compound Character Recognition Using CNN	Juhee Sachdeva, Dr. Sonu Mittal	Proceedings of Data Analytics and Management	2021	https://doi.org/10.1007/978-981-16-6289-8_18	Scopus, Springer, UGC Care
7	Ujjval Jain	Text Classification System Using Naïve Bayes Algorithm	Gaurav Singh, Mayank Upadhyay, Ujjval Jain, Umang Sharma, Shahrukh Hussain	International Journal or Research Publication and Reviews	2021	ISSN 2582-7421	NIL

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8	**Megha Gupta**	Web Map Data Visualization using AR Globe	Megha Gupta, Deepak Suyal, Sudhanshu, Shubham Gupta	A Peer Reviewed Journal International journal of Advances in Engineering and Management (IJAEM)	2021	ISSN: 2395-5252	Peer Reviewd
9	**Ashu Jain**	Bitcoin Financial Forecasting	Dhyanendra Jain, Ashu Jain, Amit Kumar Pandey, Jogender Kumar,	International Conference on Artificial Intelligence and Machine Learning (ICAIML 2020)	2020	10.1088/1757-899X/1049/1/012003	IOP Science
		AI-based Physical Activity Tracker	Akshit Kansal, Tushar Maurya, Vinit Agarwal, NipunArora, Ashu Jain	International Journal of All Research Education and Scientific Methods (IJARESM)	Jun-21	ISSN: 2455-6211	Peer Reviewd
		Developing 3d Structures Based AR-VR Application	Ishani Garkoti, Anushka, Amisha Mittal, Paras Vohra, Ashu Jain,	International Journal o f All Research Education and Scientific Methods (IJARESM)	May-21	ISSN: 2455-6211	Peer Reviewd
		Multi-Label Book Classification for Automatic Tag Generation	Isha Jain, Kritika Bakshi, Tania, Ashu Jain	International Journal of Scientific Research in Engineering and Management (IJSREM)	May-21	ISSN: 2582-3930	Peer Reviewd
		ENDPOINT PROTECTION USING ELK,	Aman Malhotra, Ashu Jain, Lakshya Rawat, Lokesh Kumar,	International Research Journal of Modernization in Engineering Technology and Science,	May-21	ISSN: 2582-5208	Peer Reviewd
		ADVANCED DROWSINESS DETECTION SYSTEM	Shubham Goel, Priyam Arora, Deepak Kr. Sain, Aakash Gupta, Ashu Jain,	International Research Journal of Modernization in Engineering Technology and Science,	May-21	ISSN: 2582-5208	Peer Reviewd
10	**Vaishali**	EMOTION ANALYSIS USING NEURAL NETWORK	Vaibhav Sehgal,Sahdev Kansal,Jatin Upadhyay,Mohit Bhatia, Mrs. Vaishali	International Journal of Creative Research Thoughts (IJCRT),	Dec-20	http://www.ijcrt.org/papers/IJCRT2012235.pdf	UGC Approved
		Stock Market (NIFTY) Forecasting using Machine Learning Analysis on Option Chain	Saurabh Gupta, Vaishali, Raghuvansh Tahlan, Navya Sanjna Joshi, Ritvik Agarwal	International Journal of Recent Technology and Engineering (IJRTE)	Jan-21	https://www.ijrte.org/wp-content/uploads/papers/v9i5/E5155019521.pdf	UGC Approved
11	**Yamini Ratawal**	Delineation of Agents for Games using Deep Reinforcement Learning	Yamini Ratawal,Pranav Batra,Sambhav Jain	International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)	Sep-20	https://www.technoarete.org/common_abstract/pdf/IJERCSE/v7/i9/Ext_23907.pdf	Peer Reviewd
12	**Kajal Kaul**	Single Image Dehazing Using Neural Network	Kajal Kaul, Smriti Sehgal	2020 10th International Conference on Cloud Computing, Data Science & Engineering (Confluence), 2020, pp. 205-211	2020	doi: 10.1109/Confluence47617.2020.9057936.	Scopus
13	**Mohit Dayal**	NSL-BP : A Meta classifier model based prediction of amazon product review	Pravin Kumar1 , Mohit Dayal2, Manju Khari3*, Giuseppe Fenza4, Mariacristina Gallo4	International journal of interactive multimedia and artificial intelligence	2020	http://dx.doi.org/10.9781/ijimai.2020.10.001	SCIE
		Network security in the age of Reinforcement learning	Mohit Dayal,Rupesh Duggal, Sidharth Aggarwal	International journal of Recent Advances in science and technology	2020	10.30750/ijrast.721	Peer Reviewd
14	**Vikas**	Security issues in wireless sensor network – A survey	Vikas, Dr. B B Sagar, Dr. Manisha Manjul	International Conference on Networks and Cryptology (NetCrypt)	2020		Peer Reviewd

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1	Dr. Anupam Kumar Sharma	Content Management System for Web Portals	Jain, Dhyanendra, Ashu Jain, Sharma, Anupam Kumar, Amit Pandey, and Pratul Arvind	Design Engineering	2021	https://www.thedesignengineering.com/index.php/DE/article/view/4091	Peered review
		Internet of Things-based Intelligent Sensible and management	Dhyanendra Jain, Prashant Singh, Ashu Jain, Amit Kumar Pandey, Anupam Kumar Sharma	International Journal of Advanced Research in Science and Engineering, Vol. 10, Issue 10, Oct 2021, pp. 62-69.	2021		Refreed Journal
		Emotion aware recommendation engine using ECG signal analysis	R. Bagavathi, D. Jain, A. Chakraborty, and Anupam Kumar Sharma	International Conference on Computing Communication and Networking Technologies (ICCCNT), 2021	2021	10.1109/ICCCNT51525.2021.9580129	IEEE Conference
		Implementation of reward-based methodology in web blogging environment	Anupam Kumar Sharma, Rishabh Jain, Diwakar Kumar, Anurag Teckchandani, Vaibhav Jain	Global Transitions Proceedings, Volume 2, Issue 2, 2021, Pages 579-583	2021	ISSN 2666-285X	Peered review
		Industrial Asset Management using RFID	Aditya Agrawal , Jai Garg , Dr. Anupam Sharma, Dr. Rajiv Sharma	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 10, Issue 07 (July 2021)	2021	https://www.ijert.org/industrial-asset-management-using-rfid	Refreed Journal
		Online Voting System	Anupam Kumar Sharma, Yash Kumar Jain, Sudhanshu Gupta, Yash Jajoria, Kartikey Tyagi	International Journal of Scientific Research & Engineering Trends, Volume 7, Issue 3, May-June-2021	2021	ISSN (Online): 2395-566X,	Refreed Journal
		Deep Learning and Machine Intelligence for Operational Management of Strategic Planning	Sharma Anupam Kumar, et. Al.	ICTCS 2021	2021		SCOPUS
2	Dr.Sonu Mittal	Significance of Non-Academic Parameters for Predicting Student Performance Using Ensemble Learning Techniques	Aggarwal, D., Mittal S, Bali V.	International Journal of System Dynamics Applications (eISSN: 2160-9799) published by IGI-Global, 10(3), Article 3	2021	10.4018/IJSDA.2021070103	UGC Care and ESCI -Web of Science
		Handwritten Offline Devanagari Compound Character Recognition Using CNN	Juhee Sachdeva, Dr. Sonu Mittal	In: Gupta D., Polkowski Z., Khanna A., Bhattacharyya S., Castillo O. (eds) Proceedings of Data Analytics and Management. Lecture Notes on Data Engineering and Communications Technologies, vol 90. Springer, Singapore	2022	https://doi.org/10.1007/978-981-16-6289-8_18	SCImago, SCOPUS, EI Compendex, INSPEC
		Comparative Analysis of Market Basket Analysis through Data Mining Techniques	S. K. Dubey, S. Mittal, S. Chattani and V. K. Shukla	International Conference on Computational Intelligence and Knowledge Economy (ICCIKE), 2021, pp. 239-243	2021	10.1109/ICCIKE51210.2021.9410737	SCOPUS and UGC Care
		Identifying Non-Performing Students in Higher Educational Institutions Using Data Mining Techniques.	Aggarwal, D., Mittal S, Bali V.	International Journal of Information System Modeling and Design (IJISMD), 12(1), 94-110. ISSN: 1947-8186	2021	https://doi.org/10.4018/IJISMD.2021010105	UGC Care and ESCI -Web of Science
		Handwritten Offline Devanagari Compound Character Recognition Using Machine Learning	Juhee Sachdeva, Dr. Sonu Mittal	presented at the International Semantic Intelligence Conference (ISIC -2021) and included in CEUR Workshop Proceedings, 2021, 2823, pp. 44–46	2021	http://ceur-ws.org/Vol-2823/	SCOPUS and UGC Care
		Text Clustering Techniques for Voice of Customer Analysis	Zaheeruddin Ahmed, Sonu Mittal and H. Singh,	Book Chapter In: Sharma H., Saraswat M., Yadav A., Kim J.H., Bansal J.C. (eds) Congress on Intelligent Systems. CIS 2020. Advances in Intelligent Systems and Computing, vol 1334 pp 725 -735 eBook ISBN 978-981-336-981-8. Springer, Singapore	2021	https://doi.org/10.1007/978-981-33-6981-8_57	Web of Science. (under consideration)
		Edited Book:Cyber Physical System: Concept and Applications	Anupam Baliyan, Kuldeep,Naresh,Kamal Upreti, Ramani Kannan	Taylor & Francis, ISBN: 978-00-21930-4. (Under Press/ Scopus Indexed).	Jul-05	UNDER PRODUCTION	SCOPUS INDEXED BOOK
		Edited Book : Designing Intelligent Healthcare Systems, Products and Services using Disruptive Technologies and Health Informatics	Teena Bagga, Kamal Upreti, Nishant Kumar, Amirul Hasan Ansari and Danish Nadeem	Taylor & Francis, ISBN: 978-00-21710-7.	2022	UNDER PRESS	SCOPUS INDEXED BOOK
		Authored Book:Internet of Things (IoT)-Bilingual Language	Upreti, Kamal,Mohammad Shabbir ,Alam, Ritu Raj Jain, Mohammad Shahanawaz Nasir	INSC International Publisher, Oct, 2021.	2021	E-ISBN – 978-1-68576-033-5	PEER REVIEWED BOOK
		Authored Book : ALL IN ONE PHYSICS CLASS XI	Kamal Upreti , Jayant Kumar Jha	Arihant Publication May 2013 (Revised edition - 2015,2017,2018,2020)	2020	ISBN -978-93-5141-974-7	PEER REVIEWED BOOK
		Authored Book:Assam Higher Secondary Education Council, Physics Class XI	Kamal Upreti	Arihant Publication, Feb, 2015 (Revised edition - 2017,2019)	2015	ISBN -978-93-5176-612-4	PEER REVIEWED BOOK
		Addressing Image And Poisson Noise Deconvolution Problem Using Deep Learning Approaches	Syed, Mohammad Haider; Upreti, Kamal; Nasir, Mohammad Shahnawaz; Alam, Mohammad	Journal of Computational Intelligence	2022	https://doi.org/10.1111/coin.12510	SCI/WILEY & SONS

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3	Dr. Kamal Upreti	A Wireless Sensor Networks based Forest Fire Prediction Strategy using Internet of Things enabled Enhanced Deep Learning Procedure	J Ananthi, Dr. N Sengottaiyan, Dr. S Anbukaruppusamy, Kamal Upreti	International Journal of Advanced Technology and Engineering Exploration (IJATEE)	2022	10.19101/IJATEE.2021.87464	SCOPUS/OPEN ACCESS
		Impact Analysis of Industry 4.0 on Realtime Smart Production Planning and Supply Chain Management	Pradeep Bedi, Kamal Upreti, Anand Singh Rajawat, Rabindra Nath Shaw, Ankush Ghosh	2021 IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON), 2021, pp. 1-6,	2021	doi: 10.1109/GUCON50781.2021.9573563	SCOPUS/IEEE
		Machine Learning -based Congestion Control Routing Strategy for Healthcare IoT enabled Wireless Sensor Networks	Kamal Upreti, Nishant Kumar, Mohammad Shabbir Alam, Ankit Verma, Mauparna Nandan, Amit Kumar Gupta	2021 Fourth International Conference on Electrical, Computer and Communication Technologies (ICECCT)	2021	DOI: 10.1109/ICECCT52121.2021.9616864	SCOPUS/SPRINGER
		An investigation of security risk & taxonomy of Cloud Computing environment	Abhishek Sharma, Umesh Kumar Singh, Kamal Upreti, Dharmendra Singh Yadav	2021 2nd International Conference on Smart Electronics and Communication (ICOSEC)	2021	doi: 10.1109/ICOSEC51865.2021.9591954	SCOPUS/SPRINGER
		A Comparative analysis of security issues & vulnerabilities of leading Cloud Service Providers and in-house University Cloud platform for hosting E-Educational applications	Abhishek Sharma, Umesh Kumar Singh, Kamal Upreti, Nishant Kumar, Suyash Kumar Singh	IEEE Mysore Sub Section International Conference (MysuruCon), 2021, pp. 552-560	2021	doi: 10.1109/MysuruCon52639.2021.9641545.	SCOPUS/IEEE
		Fuzzy Logic Based Support Vector Regression (SVR) Model for Software Cost Estimation Using Machine Learning	Kamal Upreti, Umesh Kumar Singh, Rituraj Jain, Karamjeet Kaur, AK Sharma	ICT Systems and Sustainability. Lecture Notes in Networks and Systems, vol 321. Springer, Singapore, 1st Jan , 2022	2022	https://doi.org/10.1007/978-981-16-5987-4_90	SCOPUS/SPRINGER
		Blockchain Adoption for Provenance and Traceability in Retail Food Supply Chain a Consumer Perspective	Nishant Kumar, Kamal Upreti, Divya Mohan	International Journal of E-Business Research (IJEBR),Volume 18, Issue 1, Article 4. Special Issue Submission: Technology Application in Omnichannel Industry, IGI Global, August, 2021	2021	DOI: 10.4018/IJEBR.294110	ESCI/SCOPUS/IGI GLOBAL(OPEN ACCESS)
		Fuzzy Logic for Underground Mining Method Selection	D Palanikkumar, Kamal Upreti, S Venkatraman, J Roselin Suganthi, Sridharan Kannan, S Srinivasan	Journal of Intelligent Automation & Soft Computing, Tech Science Press, Vol.32, No.3, 2022, pp.1843-1854.	2022	doi:10.32604/iasc.2022.023350	SCI/SCOPUS/TECH SCIENCE(OPEN ACCESS)
		Analytical Study on Performance of Cloud Computing with Respect to Data Security	K. Upreti, B. K. Vargis, R. Jain and M. Upadhyaya	IEEE Xplore ,5th International Conference on Intelligent Computing and Control Systems (ICICCS), 2021, pp. 96-101	2021	doi: 10.1109/ICICCS51141.2021.9432268	SCOPUS /IEEE
		Analyzing real time performance in Vigil Net using Wireless Sensor Network	Kamal Upreti, Mohammad Shahnawaz Nasir, Mohammad Shabbir Alam, Ankit Verma, A.K. Sharma	Elsevier : Material Today ,2021 .,(https://www.sciencedirect.com/science/article/pii/S2214 785321005812)	2021	doi.org/10.1016/j.matpr.2021.01.490	SCOPUS /SPRINGER
		Design and Developement of Tracking System in Communication for Wireless Networking	Kamal Upreti , Vinod Kumar , Mohammad Shabbir Alam	5th World Conference on Smart Trends in Systems , Security and Sustainabilty , London , Publish on Springer :Lecture Notes in Networks and Systems	2021	https://www.springer.com/series/15179	SCOPUS/SPRINGER
		Blockchain Adoption Intention in Higher Education :Role of Trust , Perceived Security and Privacy in Technology and Adoption Model	Nishant Kumar , Mitushi Singh, Kamal Upreti	Internaional Conference on Emerging Technologies and Intelligent Systems, Berlin , Sprnger : Lecture Notes in Networks and Systems	2021	https://www.springer.com/series/15179	SCOPUS /SPRINGER
		Blockchain integrated flexible vaccine supply chain architecture: Excavate the determinants of adoption	Nishant Kumar , Kamal Upreti,Shitiz Upreti,Mohammad Shabbir Alam,Meena Agrawal	Journal of Human Behavior and Emerging Technologies, Wiley	2021	https://doi.org/10.1002/hbe2.302	SCI/SCOPUS/ WILEY & SONS (OPEN ACCESS)
4	Dr. Shipra Varshney	A Robust Framework for Governing Blockchain-based Distributed Ledgers during Covid-19 for Academic Establishments.	Dr. Prashant Vats, Shipra Varshney, Shweta Chaudhary, Nishi Sharma and Ekta Jain	ICTIS 2022	2022	Accepted	Springer/Scopus
		A Blockchain-based Framework for IoT based Secure Identity Management	Dr. Prashant Vats, Shweta Chaudhary, Shipra Varshney and Deepti Singh	ICIPTM-2022	2022	Accepted	IEEE/Scopus
5	Dr. Prashant Vats	A Robust Framework for Governing Blockchain-based Distributed Ledgers during Covid-19 for Academic Establishments.	Dr. Prashant Vats, Shipra Varshney, Shweta Chaudhary, Nishi Sharma and Ekta Jain	ICTIS 2022	2022	Accepted	Springer/Scopus
		A Blockchain-based Framework for IoT based Secure Identity Management	Dr. Prashant Vats, Shweta Chaudhary, Shipra Varshney and Deepti Singh	ICIPTM-2022	2022	Accepted	IEEE/Scopus
		A COMPREHENSIVE ANALYSIS OF MIXED REALITY VISUAL DISPLAYS IN CONTEXT OF ITS APPLICABILITY IN IOT	Dr. Prashant Vats	MECON 2022	2022	Accepted	IEEE/Scopus
		Big Data Analytics in Real Time for Enterprise Applications to Produce Useful Intelligence	Dr. Prashant Vats	Book Chapter, Title of the Book: Advances in Data Wrangling & its Principles	2021(to be published)	2021(to be published)	Scopus, Wiley and Sons
		A Comprehensive Framework for IoT based Data Protection in Blockchain system	Dr. Prashant Vats	ICTCS 2021	2021	Accepted	Springer/Scopus
		Cloud-based Patient Health Information Exchange System using Blockchain Technology	Dr. Prashant Vats	ICTCS 2021	2021	Accepted	Springer/Scopus
		An IoT-based temperature measurement platform for a Real time Environment using LM 35.	Dr. Prashant Vats	ICTCS 2021	2021	Accepted	Springer/Scopus
		A Sustainable Green Approach to the Virtualized Environment in Cloud Computing	Dr. Prashant Vats	ICTCS 2021	2021	Accepted	Springer/Scopus

		Title	Authors	Journal/Conference	Year	ID/ISBN/Link	Category
		Deep Learning and Machine Intelligence for Operational Management of Strategic Planning	Dr. Prashant Vats	IC4S-2021	2021	Accepted	Springer/Scopus
6	Ashu Jain	A Metric to Determine the Change Proneness of Software Classes Using GMDH Networks	Jain, A., Jain, D. and Singh, P	CRC Press (Book Chapter)	2021	ISBN: 9781003154686	Peer Reviewd
		"Content Management System for Web Portals."	Jain, Dhyanendra, Ashu Jain, Anupam Kumar Sharma, Amit Pandey, and Pratul Arvind	Design Engineering	2021	https://www.thedesignengineering.com/index.php/DE/article/view/4091	Peer Reviewed
		Internet of Things-based Intelligent Sensible and management	Dhyanendra Jain, Prashant Singh, Ashu Jain, Amit Kumar Pandey, Anupam Kumar Sharma	International Journal of Advance Research in Science and Engineering	2021	NIL	NIL
7	Vaishali	PDF Security using QR Captcha	Jyoti Yadav , Yash Aggarwal , Vaishali Goel , Ayush Bahuguna	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT)	2021	https://www.ijert.org/pdf-security-using-qr-captcha	UGC Approved
		Image Captioning	Ms. Vaishali, Rishabh Tiwari, Nimish Jain, Himanshu Tyagi, Tanishaq Jain,	International Journal of Research in Engineering and Science (IJRES)	2021	ISSN:2320-9356	Peered review
		Comprehensive Study of MERN Stack - Architecture, Popularity and Future Scope	Bhavyaa, Suhani Gupta, Ms. Vaishali	International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT)	2021	https://doi.org/10.32628/CSEIT217630	UGC APPROVED
8	Yamini Ratawal	Humans vs Deep Learning: detection of face morphing as a peril	Aneerban Chakraborty,Rakshana Bagavathi, D.Jain, Yamini Ratawal	CAMSE2020, springer	2021	https://doi.org/10.1007/978-981-16-0942-8_12	Springer/Scopus
		PoemAI: Text Generator Assistant for Writers	Yamini Ratawal,Vaibhav Singh Makhloga, Kartikay Raheja	4th international conference on intelligent sustainable Systems, Springer	2021	https://link.springer.com/chapter/10.1007/978-981-16-2422-3_45	Springer/Scopus
9	Shivangi	Fuel Emission detection using Machine Learning	Ms. Shivangi, Harshit Mangla, Abhishek Sharma	International Journal of advances in engineering and management (IJAEM)	2021	10.35629/5252-030624712476	Peer Reviewed Journal
19	Ankita	WebMD Disease Prediction System	Ankita,Anshita Chugh,Priyasha Gupta,Sonal,Ritvik Agarwal	International Journal of Creative Research Thoughts(IJCRT)	2021	ISSN:2320-2882	Refered Journal
		Road Detection and Segmentation using CNN	Ayush Madaan,Bhanu Shekhawat,Ankita	International Journal for Research in Engineering and Emerging Trends(IJREET)	2021	SSN:2545-4523(Online)	UGC Approved
11	Priyanka Singh	A Survey of Cloud Computing Security Issues	Priyanka Singh and Manju Khari	International Journal of Machine Learning and Networked Collaborative Engineering, Vol. 03, No. 4,182–192	2021	https://doi.org/10.30991/IJMLNCE.2019v03i04.001	Peer Reviewd
		Impact of Group Theory in Cryptosystem	Priyanka Singh, Manju Khari and Nikhil S. Kaundanya	Functional Encyption Book, Springer	2021	https://www.springerprofessional.de/en/impact-of-group-theory-in-cryptosystem/19254308	Peer Reviewd
		Empirical Analysis of Energy-Efficient Hybrid Protocol Under Black Hole Attack in MANETs	Priyanka Singh and Manju Khari	Research in Intelligent and Computing in Engineering. Advances in Intelligent Systems and Computing, vol 1254. Springer, Singapore, January 2021	2021	https://doi.org/10.1007/978-981-15-7527-3_68	Peer Reviewd
		Necessity of Time Synchronization for IoT-Based Applications	Priyanka Singh and Manju Khari	Internet of Things: Technological Advances and New Applications	2021	https://www.appleacademicpress.com/internet-of-things-technological-advances-and-new-applications/9781774911280	Peer Reviewd
		MAR I/O	Anshul Hudda, Pawan Kumar, Shubham jadon, Priyanka Singh	International Journal of Technological Reseach In Engineering	2021	https://www.ijtre.com/images/scripts/2021081103.pdf	Peer Reviewd
		Stegonography	Nilesh, Prem Prakash Gupta, Pradeep Sharma, Rahul Yadav, Priyanka Singh	International Journal of Technological Reseach In Engineering	2021		Peer Reviewd
12	Deepika Tyagi	Controlling Characters using Procedural Generation	Aman Soni, Satyam Tyagi, Prerna Jha, Vishal Jha, Deepika Tyagi	International Journal of Scientific Research in Engineering and Management (IJSREM)	2021	https://ijsrem.com/volume-05-issue-07-july-2021/	Peer Reviewd
		Image to Text Speech Converter	Rahul Goyal, Ajay, Ketan Rana, Sanjeev, Deepika Tyagi	International Journal of Scientific Research in Engineering and Management (IJSREM)	2021	https://ijsrem.com/volume-05-issue-07-july-2021/	Peer Reviewd
13	Kajal Kaul	Black & White Image and Video Color Restoration Using Caffe Model	Rishabh Kapoor, Abhishek Dobhal, Kunal Chandel, Kajal Kaul	International Journal for Research in Engineering and Emerging Trends (IJREET), Volume 5, Issue 1, June 2021ISSN (ONLINE): 2545 -4523	2021	ISSN: 2545-4523	Peer Reviewd
		Analyzing psychosocial behaviors during Covid-19 using Social Computing	Taru Jain, Avi Gupta, Urnima Raj Varshney, Mohit Singh, Kajal Kaul	International Journal For Technological Research In Engineering, Volume 8, Issue 10, June 2021ISSN (ONLINE): 2347-4718	2021	ISSN: 2347-4718	Peer Reviewd
		Monitoring and controlling of Energy consumption using IOT based predictive maintenance	Kajal Kaul, Dr. Prashant Singh, Dhyanendra Jain, Amit Kumar Pandey	SMART - 2021 (10th International Conference on System Modeling & Advancement in Research Trends)	2021	Accepted	IEEE Conference

14	**Mohit Dayal**	Artificial Intelligence Based Smart Packet Filter	Mohit Dayal, Ameya Chawla, Manju Khari and Aparna N Mahajan	IC4S	2021	ACCEPTED	SCOPUS
		Coalescence of Neural Networks and Block Chain	*Mohit Dayal, Ameya Chawla, Manju Khari*	Handbook of Green Computing and Blockchain Technologies	2021	https://doi.org/10.1201/9781003107507	Peer Reviewd
		Combination of Convolutional Neural Networks and BlockChain in handwritten digits recognition	*Mohit Dayal, Ameya Chawla, Deepti Singh, Rupesh Kumar Garg*	Handbook of Green Computing and Blockchain Technologies	2021	https://doi.org/10.1201/9781003107507	Peer Reviewd
		Blockchain for Medicine and Health Care	*Mohit Dayal, Rupesh Kumar Garg, Shweta Chaudhary, Chitrangada Chaubey, Ameya Chawla*	Handbook of Green Computing and Blockchain Technologies	2021	https://doi.org/10.1201/9781003107507	Peer Reviewd
15	**Shweta Chaudhary**	A Robust Framework for Governing Blockchain-based Distributed Ledgers during Covid-19 for Academic Establishments.	Dr. Prashant Vats, Shipra Varshney, Shweta Chaudhary, Nishi Sharma and Ekta Jain	ICTIS 2022	2022	Accepted	Springer/Scopus
		A Blockchain-based Framework for IoT based Secure Identity Management	Dr. Prashant Vats, Shweta Chaudhary, Shipra Varshney and Deepti Singh	ICIPTM-2022	2022	Accepted	IEEE/Scopus
		Blockchain for Medicine and Health Care	Mohit Dayal, Rupesh Kumar Garg, Shweta Chaudhary, Chitrangada Chaubey, and Ameya Chawla	Book Chapter, Title of the Book:Handbook of Green Computing and Blockchain Technologies	2021	ISBN 9780367620110	CRC PRESS ,TAYLOR & FRANCIS GROUP
16	**Vikas**	Security issues in wireless sensor network – A survey	Vikas, Dr. B B Sagar, Dr. Manisha Manjul	Journal of Discrete Mathematical Sciences & Cryptography	2021	https://doi.org/10.1080/09720529.2021.1932937	ESCI

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Research Publication Details (2022-2023)

S.No.	Faculty Name	Paper Title	Authors	Name of Journal/Conference/Book/Book Chapter/Magazine Article	Year of publication	DOI/Link	UGC Approved/Scopus/SCI
1	Dr. Archana Kumar	"Evolutionary Optimization with Deep Transfer Learning for Content based Image Retrieval in Cloud Environment"	Dhana Sekaran S, Dr. N. Herald Anantha Rufus, D. Anand, Dr. Archana Kumar, Dr. R. Senthil Rama, A.S.Vigneshwar	Accepted for IEEE Conference- ICAISS			IEEE Conference
2	Dr. Sonu Mittal	"Predicting Student Performance Using Data Mining Techniques"	I.Shingari, H. Singh, S.Mittal	International Journal of Information System Modeling and Design (IJISMD) accepted for Vol-14. ISSN: 1947-8186	Accepted for Vol 14		Scopus, Web of Science Emerging Sources Citation Index (ESCI), ACM Digital Library, Google Scholar, DBLP, INSPEC
		Edited Book: "Proceedings of the IECASCT 2022"	S. Mittal and A.K.Sharma	Proceedings of the IECASCT 2022" published by Department of CSE, ADGITM, New Delhi, 2022 ISBN No. : 978-93-5620-188-0	2022	ISBN No. : 978-93-5620-188-0	NA
		"Soil Fertility and Crop Recommendation using Machine Learning and Deep Learning Techniques: A Review"	Jagruti Raut, Sonu Mittal	Turkish Journal of Computer and Mathematics Education (TURCOMAT) Vol.11 No.02	2022	https://turcomat.org/index.php/turkbilmat/article/view/12855	SCOPUS
		An Analysis of Various Machine Learning Techniques Used for Diseases Prediction: A Review	Mudasir Hamid Sheikh,Sonu Mittal & Rumaan Bashir	Recent Innovations in Computing. Lecture Notes in Electrical Engineering, vol 855. Springer, Singapore	2022	https://doi.org/10.1007/978-981-16-8892-8_35	SCOPUS
3	Dr.Kamal Upreti	Prediction of Mechanical Strength by Using an Artificial Neural Network and Random Forest Algorithm	Kamal Upreti, Manvendra Verma, Meena Agrawal, Jatinder Garg, Rekha Kaushik, Chinmay Agrawal, Divakar Singh, Rajamani Narayanasamy	Manufacturing Methods and Characterization of Nanomaterials for Industry 4.0	2022	https://doi.org/10.1155/2022/7791582	SCIE (Q-2)
		Research Article Sustainable Computing: A Determinant of Industry 4.0 for Sustainable Information Society	Nishant Kumar, Kamal Upreti, Samreen Jafri, Ishita Arora, Rishu Bhardwaj, Manu Phogat, Sanjay Srivastava, Felix Korbla Akorli	Journal of Nanomaterials	2022	https://doi.org/10.1155/2022/9335963	SCIE(Q-2)
		Investigating New Patterns in Symptoms of COVID-19 Patients by Association Rule Mining (ARM)	Anju Singh, Divakar Singh, Kamal Upreti, Vaibhav Sharma, Bhawani Singh Rathore, Jagdish Raikwal	Journal of Mobile Multimedia	2023	https://doi.org/10.13052/jmm1550-4646.1911	SCOPUS
		Role of E-Learning in Educational Institutions: Analyzing its Impact on Students' Satisfaction and Performance	Rishu Bhardwaj, Samreen Jafri, Divya Mohan, Kamal Upreti, Nishant Kumar, Vaibhav Sharma	7th International Conference on Communication and Electronics Systems (ICCES)	2022	10.1109/ICCES54183.2022.9835746	SCOPUS
4	Dr. Shipra Varshney	A Blockchain-based Framework for IoT based Secure Identity Management	Shipra Varshney; Prashant Vats; Shweta Choudhary; Deepti Singh	2022 2nd International Conference on Innovative Practices in Technology and Management (ICIPTM)	2022	DOI: 10.1109/ICIPTM54933.2022	IEEE Conference
		"A CNN Based Neural Network for Tumor Detection Using Cellular Pathological Imaging for Lobular carcinoma."	Ekta Jain,Nishi Sharma,Shweta Chaudhary,Shipra Varshney,Prashant Vats,Neha Kashyap,Deepika Rawat	Fourth International Conference on ICT for Intelligent Systems (ICTIS – 2022)	2022	ISSN Number - 2190-3018	SCOPUS
		"Pivotal study about the Sentimental Analysis and its application on News and its Psychological effects on our Life"	Pankaj Lathar, Shailendrasingh Gaur, Shipra Varshney, Chandramauli Sharma and Shivangi Rajput	Fourth International Conference on Computing Informatics & Networks (ICCIN-2022)	2023	Communicated	SCOPUS
5	Ms. Shweta Chaudhary	A Blockchain-based Framework for IoT based Secure Identity Management	Shipra Varshney; Prashant Vats; Shweta Choudhary; Deepti Singh	2022 2nd International Conference on Innovative Practices in Technology and Management (ICIPTM)	2022	DOI: 10.1109/ICIPTM54933.2022	
		"A CNN Based Neural Network for Tumor Detection Using Cellular Pathological Imaging for Lobular carcinoma."	Ekta Jain,Nishi Sharma,Shweta Chaudhary,Shipra Varshney,Prashant Vats,Neha Kashyap,Deepika Rawat	Fourth International Conference on ICT for Intelligent Systems (ICTIS – 2022)	2022	ISSN Number - 2190-3018	SCOPUS
6	Esha Saxena	AI based Diagnostic Analysis for Wireless Capsule Endoscopy in Obscure Bowel Disease Detection: Present and Future	Esha Saxena, Dr. Manoj Yadav, Meenakshi Yadav, Preety	International Conference on Intelligent Systems and Computing Scopus (ICISC -2022) Scopus,	2022		SCOPUS
		Book chapter: Smart Agriculture System Using Artificial Intelligence and Internet of Things	Meenakshi Yadav, Preety, Esha Saxena	Wiley-Scrivener Publishing	2022	ISBN: 978-93-82122-23-4	NA
		Book chapter: Smart Systems and Services by Artificial Intelligence Algorithms	Esha Saxena, Preety, Meenakshi Yadav	IGI Global publishing	2022	DOI:10.4018/978-1-6684-6413-7	SCOPUS